# BARGE "FMT 3310"

## PORT SLOP

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-07"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1,101 | 0 | 2,203 | 0 | 3,304 | 0 | 4,406 | 0 | 5,507 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 23 | 1/4 | 1,124 | 1/4 | 2,226 | 1/4 | 3,327 | 1/4 | 4,429 | 1/4 | 5,530 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 46 | 1/2 | 1,147 | 1/2 | 2,249 | 1/2 | 3,350 | 1/2 | 4,452 | 1/2 | 5,553 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 69 | 3/4 | 1,170 | 3/4 | 2,272 | 3/4 | 3,373 | 3/4 | 4,475 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 92 | 1 | 1,193 | 1 | 2,295 | 1 | 3,396 | 1 | 4,498 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 115 | 1/4 | 1,216 | 1/4 | 2,318 | 1/4 | 3,419 | 1/4 | 4,521 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 138 | 1/2 | 1,239 | 1/2 | 2,341 | 1/2 | 3,442 | 1/2 | 4,544 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 161 | 3/4 | 1,262 | 3/4 | 2,364 | 3/4 | 3,465 | 3/4 | 4,567 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 184 | 2 | 1,285 | 2 | 2,387 | 2 | 3,488 | 2 | 4,589 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 207 | 1/4 | 1,308 | 1/4 | 2,409 | 1/4 | 3,511 | 1/4 | 4,612 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 229 | 1/2 | 1,331 | 1/2 | 2,432 | 1/2 | 3,534 | 1/2 | 4,635 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 252 | 3/4 | 1,354 | 3/4 | 2,455 | 3/4 | 3,557 | 3/4 | 4,658 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 275 | 3 | 1,377 | 3 | 2,478 | 3 | 3,580 | 3 | 4,681 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 298 | 1/4 | 1,400 | 1/4 | 2,501 | 1/4 | 3,603 | 1/4 | 4,704 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 321 | 1/2 | 1,423 | 1/2 | 2,524 | 1/2 | 3,626 | 1/2 | 4,727 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 344 | 3/4 | 1,446 | 3/4 | 2,547 | 3/4 | 3,649 | 3/4 | 4,750 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 367 | 4 | 1,469 | 4 | 2,570 | 4 | 3,672 | 4 | 4,773 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 390 | 1/4 | 1,492 | 1/4 | 2,593 | 1/4 | 3,695 | 1/4 | 4,796 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 413 | 1/2 | 1,515 | 1/2 | 2,616 | 1/2 | 3,717 | 1/2 | 4,819 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 436 | 3/4 | 1,537 | 3/4 | 2,639 | 3/4 | 3,740 | 3/4 | 4,842 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 459 | 5 | 1,560 | 5 | 2,662 | 5 | 3,763 | 5 | 4,865 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 482 | 1/4 | 1,583 | 1/4 | 2,685 | 1/4 | 3,786 | 1/4 | 4,888 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 505 | 1/2 | 1,606 | 1/2 | 2,708 | 1/2 | 3,809 | 1/2 | 4,911 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 528 | 3/4 | 1,629 | 3/4 | 2,731 | 3/4 | 3,832 | 3/4 | 4,934 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 551 | 6 | 1,652 | 6 | 2,754 | 6 | 3,855 | 6 | 4,957 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 574 | 1/4 | 1,675 | 1/4 | 2,777 | 1/4 | 3,878 | 1/4 | 4,980 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 597 | 1/2 | 1,698 | 1/2 | 2,800 | 1/2 | 3,901 | 1/2 | 5,003 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 620 | 3/4 | 1,721 | 3/4 | 2,823 | 3/4 | 3,924 | 3/4 | 5,025 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 643 | 7 | 1,744 | 7 | 2,845 | 7 | 3,947 | 7 | 5,048 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 665 | 1/4 | 1,767 | 1/4 | 2,868 | 1/4 | 3,970 | 1/4 | 5,071 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 688 | 1/2 | 1,790 | 1/2 | 2,891 | 1/2 | 3,993 | 1/2 | 5,094 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 711 | 3/4 | 1,813 | 3/4 | 2,914 | 3/4 | 4,016 | 3/4 | 5,117 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 734 | 8 | 1,836 | 8 | 2,937 | 8 | 4,039 | 8 | 5,140 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 757 | 1/4 | 1,859 | 1/4 | 2,960 | 1/4 | 4,062 | 1/4 | 5,163 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 780 | 1/2 | 1,882 | 1/2 | 2,983 | 1/2 | 4,085 | 1/2 | 5,186 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 803 | 3/4 | 1,905 | 3/4 | 3,006 | 3/4 | 4,108 | 3/4 | 5,209 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 826 | 9 | 1,928 | 9 | 3,029 | 9 | 4,131 | 9 | 5,232 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 849 | 1/4 | 1,951 | 1/4 | 3,052 | 1/4 | 4,153 | 1/4 | 5,255 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 872 | 1/2 | 1,973 | 1/2 | 3,075 | 1/2 | 4,176 | 1/2 | 5,278 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 895 | 3/4 | 1,996 | 3/4 | 3,098 | 3/4 | 4,199 | 3/4 | 5,301 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 918 | 10 | 2,019 | 10 | 3,121 | 10 | 4,222 | 10 | 5,324 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 941 | 1/4 | 2,042 | 1/4 | 3,144 | 1/4 | 4,245 | 1/4 | 5,347 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 964 | 1/2 | 2,065 | 1/2 | 3,167 | 1/2 | 4,268 | 1/2 | 5,370 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 987 | 3/4 | 2,088 | 3/4 | 3,190 | 3/4 | 4,291 | 3/4 | 5,393 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,010 | 11 | 2,111 | 11 | 3,213 | 11 | 4,314 | 11 | 5,416 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,033 | 1/4 | 2,134 | 1/4 | 3,236 | 1/4 | 4,337 | 1/4 | 5,439 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,056 | 1/2 | 2,157 | 1/2 | 3,259 | 1/2 | 4,360 | 1/2 | 5,461 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,079 | 3/4 | 2,180 | 3/4 | 3,281 | 3/4 | 4,383 | 3/4 | 5,484 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 2" DIAMETER "HERMETIC" VALVE.**

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## STBD SLOP

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-07"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1,101 | 0 | 2,203 | 0 | 3,304 | 0 | 4,406 | 0 | 5,507 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 23 | 1/4 | 1,124 | 1/4 | 2,226 | 1/4 | 3,327 | 1/4 | 4,429 | 1/4 | 5,530 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 46 | 1/2 | 1,147 | 1/2 | 2,249 | 1/2 | 3,350 | 1/2 | 4,452 | 1/2 | 5,553 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 69 | 3/4 | 1,170 | 3/4 | 2,272 | 3/4 | 3,373 | 3/4 | 4,475 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 92 | 1 | 1,193 | 1 | 2,295 | 1 | 3,396 | 1 | 4,498 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 115 | 1/4 | 1,216 | 1/4 | 2,318 | 1/4 | 3,419 | 1/4 | 4,521 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 138 | 1/2 | 1,239 | 1/2 | 2,341 | 1/2 | 3,442 | 1/2 | 4,544 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 161 | 3/4 | 1,262 | 3/4 | 2,364 | 3/4 | 3,465 | 3/4 | 4,567 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 184 | 2 | 1,285 | 2 | 2,387 | 2 | 3,488 | 2 | 4,589 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 207 | 1/4 | 1,308 | 1/4 | 2,409 | 1/4 | 3,511 | 1/4 | 4,612 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 229 | 1/2 | 1,331 | 1/2 | 2,432 | 1/2 | 3,534 | 1/2 | 4,635 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 252 | 3/4 | 1,354 | 3/4 | 2,455 | 3/4 | 3,557 | 3/4 | 4,658 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 275 | 3 | 1,377 | 3 | 2,478 | 3 | 3,580 | 3 | 4,681 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 298 | 1/4 | 1,400 | 1/4 | 2,501 | 1/4 | 3,603 | 1/4 | 4,704 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 321 | 1/2 | 1,423 | 1/2 | 2,524 | 1/2 | 3,626 | 1/2 | 4,727 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 344 | 3/4 | 1,446 | 3/4 | 2,547 | 3/4 | 3,649 | 3/4 | 4,750 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 367 | 4 | 1,469 | 4 | 2,570 | 4 | 3,672 | 4 | 4,773 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 390 | 1/4 | 1,492 | 1/4 | 2,593 | 1/4 | 3,695 | 1/4 | 4,796 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 413 | 1/2 | 1,515 | 1/2 | 2,616 | 1/2 | 3,717 | 1/2 | 4,819 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 436 | 3/4 | 1,537 | 3/4 | 2,639 | 3/4 | 3,740 | 3/4 | 4,842 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 459 | 5 | 1,560 | 5 | 2,662 | 5 | 3,763 | 5 | 4,865 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 482 | 1/4 | 1,583 | 1/4 | 2,685 | 1/4 | 3,786 | 1/4 | 4,888 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 505 | 1/2 | 1,606 | 1/2 | 2,708 | 1/2 | 3,809 | 1/2 | 4,911 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 528 | 3/4 | 1,629 | 3/4 | 2,731 | 3/4 | 3,832 | 3/4 | 4,934 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 551 | 6 | 1,652 | 6 | 2,754 | 6 | 3,855 | 6 | 4,957 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 574 | 1/4 | 1,675 | 1/4 | 2,777 | 1/4 | 3,878 | 1/4 | 4,980 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 597 | 1/2 | 1,698 | 1/2 | 2,800 | 1/2 | 3,901 | 1/2 | 5,003 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 620 | 3/4 | 1,721 | 3/4 | 2,823 | 3/4 | 3,924 | 3/4 | 5,025 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 643 | 7 | 1,744 | 7 | 2,845 | 7 | 3,947 | 7 | 5,048 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 665 | 1/4 | 1,767 | 1/4 | 2,868 | 1/4 | 3,970 | 1/4 | 5,071 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 688 | 1/2 | 1,790 | 1/2 | 2,891 | 1/2 | 3,993 | 1/2 | 5,094 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 711 | 3/4 | 1,813 | 3/4 | 2,914 | 3/4 | 4,016 | 3/4 | 5,117 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 734 | 8 | 1,836 | 8 | 2,937 | 8 | 4,039 | 8 | 5,140 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 757 | 1/4 | 1,859 | 1/4 | 2,960 | 1/4 | 4,062 | 1/4 | 5,163 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 780 | 1/2 | 1,882 | 1/2 | 2,983 | 1/2 | 4,085 | 1/2 | 5,186 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 803 | 3/4 | 1,905 | 3/4 | 3,006 | 3/4 | 4,108 | 3/4 | 5,209 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 826 | 9 | 1,928 | 9 | 3,029 | 9 | 4,131 | 9 | 5,232 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 849 | 1/4 | 1,951 | 1/4 | 3,052 | 1/4 | 4,153 | 1/4 | 5,255 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 872 | 1/2 | 1,973 | 1/2 | 3,075 | 1/2 | 4,176 | 1/2 | 5,278 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 895 | 3/4 | 1,996 | 3/4 | 3,098 | 3/4 | 4,199 | 3/4 | 5,301 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 918 | 10 | 2,019 | 10 | 3,121 | 10 | 4,222 | 10 | 5,324 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 941 | 1/4 | 2,042 | 1/4 | 3,144 | 1/4 | 4,245 | 1/4 | 5,347 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 964 | 1/2 | 2,065 | 1/2 | 3,167 | 1/2 | 4,268 | 1/2 | 5,370 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 987 | 3/4 | 2,088 | 3/4 | 3,190 | 3/4 | 4,291 | 3/4 | 5,393 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,010 | 11 | 2,111 | 11 | 3,213 | 11 | 4,314 | 11 | 5,416 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,033 | 1/4 | 2,134 | 1/4 | 3,236 | 1/4 | 4,337 | 1/4 | 5,439 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,056 | 1/2 | 2,157 | 1/2 | 3,259 | 1/2 | 4,360 | 1/2 | 5,461 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,079 | 3/4 | 2,180 | 3/4 | 3,281 | 3/4 | 4,383 | 3/4 | 5,484 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
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**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## FUEL TANK

### INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

**GAUGE HEIGHT 4'-06 3/4"**

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 101 | 0 | 259 | 0 | 416 | 0 | 517 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 1 | 1/4 | 104 | 1/4 | 262 | 1/4 | 419 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1 | 1/2 | 107 | 1/2 | 265 | 1/2 | 422 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2 | 3/4 | 110 | 3/4 | 269 | 3/4 | 425 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3 | 1 | 113 | 1 | 272 | 1 | 428 | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 4 | 1/4 | 116 | 1/4 | 276 | 1/4 | 430 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5 | 1/2 | 119 | 1/2 | 279 | 1/2 | 433 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 6 | 3/4 | 122 | 3/4 | 282 | 3/4 | 436 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 7 | 2 | 125 | 2 | 286 | 2 | 439 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 9 | 1/4 | 129 | 1/4 | 289 | 1/4 | 442 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 10 | 1/2 | 132 | 1/2 | 293 | 1/2 | 444 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 12 | 3/4 | 135 | 3/4 | 296 | 3/4 | 447 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 13 | 3 | 138 | 3 | 300 | 3 | 450 | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 15 | 1/4 | 141 | 1/4 | 303 | 1/4 | 453 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 17 | 1/2 | 144 | 1/2 | 306 | 1/2 | 455 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 19 | 3/4 | 148 | 3/4 | 310 | 3/4 | 458 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 21 | 4 | 151 | 4 | 313 | 4 | 460 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 23 | 1/4 | 154 | 1/4 | 316 | 1/4 | 463 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 25 | 1/2 | 157 | 1/2 | 320 | 1/2 | 465 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 27 | 3/4 | 161 | 3/4 | 323 | 3/4 | 468 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 29 | 5 | 164 | 5 | 327 | 5 | 470 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 31 | 1/4 | 167 | 1/4 | 330 | 1/4 | 473 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 33 | 1/2 | 170 | 1/2 | 333 | 1/2 | 475 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 35 | 3/4 | 174 | 3/4 | 337 | 3/4 | 477 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 37 | 6 | 177 | 6 | 340 | 6 | 480 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 40 | 1/4 | 180 | 1/4 | 343 | 1/4 | 482 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 42 | 1/2 | 184 | 1/2 | 347 | 1/2 | 484 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 44 | 3/4 | 187 | 3/4 | 350 | 3/4 | 486 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 47 | 7 | 190 | 7 | 353 | 7 | 488 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 49 | 1/4 | 194 | 1/4 | 356 | 1/4 | 490 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 52 | 1/2 | 197 | 1/2 | 360 | 1/2 | 492 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 54 | 3/4 | 201 | 3/4 | 363 | 3/4 | 494 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 57 | 8 | 204 | 8 | 366 | 8 | 496 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 59 | 1/4 | 207 | 1/4 | 369 | 1/4 | 498 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 62 | 1/2 | 211 | 1/2 | 373 | 1/2 | 500 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 64 | 3/4 | 214 | 3/4 | 376 | 3/4 | 502 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 67 | 9 | 217 | 9 | 379 | 9 | 504 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 70 | 1/4 | 221 | 1/4 | 382 | 1/4 | 505 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 73 | 1/2 | 224 | 1/2 | 385 | 1/2 | 507 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 75 | 3/4 | 228 | 3/4 | 388 | 3/4 | 508 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 78 | 10 | 231 | 10 | 392 | 10 | 510 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 81 | 1/4 | 235 | 1/4 | 395 | 1/4 | 511 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 84 | 1/2 | 238 | 1/2 | 398 | 1/2 | 512 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 87 | 3/4 | 241 | 3/4 | 401 | 3/4 | 513 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 89 | 11 | 245 | 11 | 404 | 11 | 514 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 92 | 1/4 | 248 | 1/4 | 407 | 1/4 | 515 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 95 | 1/2 | 252 | 1/2 | 410 | 1/2 | 516 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 98 | 3/4 | 255 | 3/4 | 413 | 3/4 | 516 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" STANDPIPE**

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
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**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## INNAGE (HERMETIC)

| | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BOW | STERN | BOW | STERN | BOW | STERN | BOW | STERN | BOW | STERN | BOW | STERN |
| 1 PORT | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 |
| 1 STBD | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 |
| 2 PORT | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 |
| 2 STBD | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 |
| 3 PORT | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 |
| 3 STBD | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

| | | | |
|---|---|---|---|
| FWD. DRAFT | = | 2'-00" | |
| AFT DRAFT | = | 6'-00" | |
| DIFF. | = | 4'-00" | (DOWN BY STERN) |

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

July 15, 2020


PRECISION MEASUREMENT
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# BARGE "FMT 3310"

## 1 PORT

### INNAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 14.66 | 0 | 291.20 | 0 | 626.13 | 0 | 967.49 | 0 | 1,309.83 | 0 | 1,653.01 | 0 | 1,996.18 | 0 | 2,339.35 | 0 | 2,682.51 | 0 | 3,025.63 |
| 1/4 | 17.59 | 1/4 | 297.81 | 1/4 | 633.28 | 1/4 | 974.58 | 1/4 | 1,316.98 | 1/4 | 1,660.16 | 1/4 | 2,003.33 | 1/4 | 2,346.50 | 1/4 | 2,689.66 | 1/4 | 3,032.78 |
| 1/2 | 20.51 | 1/2 | 304.41 | 1/2 | 640.43 | 1/2 | 981.67 | 1/2 | 1,324.13 | 1/2 | 1,667.30 | 1/2 | 2,010.48 | 1/2 | 2,353.65 | 1/2 | 2,696.81 | 1/2 | 3,039.93 |
| 3/4 | 23.43 | 3/4 | 311.02 | 3/4 | 647.58 | 3/4 | 988.76 | 3/4 | 1,331.28 | 3/4 | 1,674.45 | 3/4 | 2,017.63 | 3/4 | 2,360.80 | 3/4 | 2,703.96 | 3/4 | 3,047.08 |
| 1 | 26.36 | 1 | 317.63 | 1 | 654.73 | 1 | 995.85 | 1 | 1,338.43 | 1 | 1,681.60 | 1 | 2,024.77 | 1 | 2,367.95 | 1 | 2,711.11 | 1 | 3,054.22 |
| 1/4 | 31.15 | 1/4 | 324.32 | 1/4 | 661.88 | 1/4 | 1,002.94 | 1/4 | 1,345.58 | 1/4 | 1,688.75 | 1/4 | 2,031.92 | 1/4 | 2,375.10 | 1/4 | 2,718.25 | 1/4 | 3,061.37 |
| 1/2 | 35.94 | 1/2 | 331.01 | 1/2 | 669.03 | 1/2 | 1,010.03 | 1/2 | 1,352.73 | 1/2 | 1,695.90 | 1/2 | 2,039.07 | 1/2 | 2,382.24 | 1/2 | 2,725.40 | 1/2 | 3,068.52 |
| 3/4 | 40.73 | 3/4 | 337.69 | 3/4 | 676.18 | 3/4 | 1,017.12 | 3/4 | 1,359.88 | 3/4 | 1,703.05 | 3/4 | 2,046.22 | 3/4 | 2,389.39 | 3/4 | 2,732.55 | 3/4 | 3,075.66 |
| 2 | 45.52 | 2 | 344.38 | 2 | 683.32 | 2 | 1,024.20 | 2 | 1,367.03 | 2 | 1,710.20 | 2 | 2,053.37 | 2 | 2,396.54 | 2 | 2,739.70 | 2 | 3,082.81 |
| 1/4 | 51.26 | 1/4 | 351.16 | 1/4 | 690.47 | 1/4 | 1,031.30 | 1/4 | 1,374.18 | 1/4 | 1,717.35 | 1/4 | 2,060.52 | 1/4 | 2,403.69 | 1/4 | 2,746.85 | 1/4 | 3,089.96 |
| 1/2 | 56.99 | 1/2 | 357.93 | 1/2 | 697.62 | 1/2 | 1,038.40 | 1/2 | 1,381.33 | 1/2 | 1,724.50 | 1/2 | 2,067.67 | 1/2 | 2,410.84 | 1/2 | 2,754.00 | 1/2 | 3,097.10 |
| 3/4 | 62.73 | 3/4 | 364.70 | 3/4 | 704.77 | 3/4 | 1,045.50 | 3/4 | 1,388.48 | 3/4 | 1,731.65 | 3/4 | 2,074.82 | 3/4 | 2,417.99 | 3/4 | 2,761.15 | 3/4 | 3,104.25 |
| 3 | 68.46 | 3 | 371.48 | 3 | 711.92 | 3 | 1,052.59 | 3 | 1,395.63 | 3 | 1,738.80 | 3 | 2,081.97 | 3 | 2,425.14 | 3 | 2,768.29 | 3 | 3,111.40 |
| 1/4 | 74.31 | 1/4 | 378.33 | 1/4 | 719.07 | 1/4 | 1,059.71 | 1/4 | 1,402.78 | 1/4 | 1,745.95 | 1/4 | 2,089.12 | 1/4 | 2,432.29 | 1/4 | 2,775.44 | 1/4 | 3,118.55 |
| 1/2 | 80.15 | 1/2 | 385.19 | 1/2 | 726.22 | 1/2 | 1,066.82 | 1/2 | 1,409.93 | 1/2 | 1,753.10 | 1/2 | 2,096.27 | 1/2 | 2,439.44 | 1/2 | 2,782.59 | 1/2 | 3,125.69 |
| 3/4 | 85.99 | 3/4 | 392.05 | 3/4 | 733.37 | 3/4 | 1,073.94 | 3/4 | 1,417.08 | 3/4 | 1,760.25 | 3/4 | 2,103.42 | 3/4 | 2,446.59 | 3/4 | 2,789.74 | 3/4 | 3,132.84 |
| 4 | 91.84 | 4 | 398.91 | 4 | 740.52 | 4 | 1,081.05 | 4 | 1,424.23 | 4 | 1,767.40 | 4 | 2,110.57 | 4 | 2,453.74 | 4 | 2,796.89 | 4 | 3,139.99 |
| 1/4 | 97.77 | 1/4 | 405.85 | 1/4 | 747.63 | 1/4 | 1,088.20 | 1/4 | 1,431.37 | 1/4 | 1,774.55 | 1/4 | 2,117.72 | 1/4 | 2,460.89 | 1/4 | 2,804.04 | 1/4 | 3,147.13 |
| 1/2 | 103.71 | 1/2 | 412.79 | 1/2 | 754.75 | 1/2 | 1,095.35 | 1/2 | 1,438.52 | 1/2 | 1,781.70 | 1/2 | 2,124.87 | 1/2 | 2,468.04 | 1/2 | 2,811.19 | 1/2 | 3,154.28 |
| 3/4 | 109.65 | 3/4 | 419.73 | 3/4 | 761.86 | 3/4 | 1,102.50 | 3/4 | 1,445.67 | 3/4 | 1,788.84 | 3/4 | 2,132.02 | 3/4 | 2,475.19 | 3/4 | 2,818.33 | 3/4 | 3,161.43 |
| 5 | 115.58 | 5 | 426.67 | 5 | 768.98 | 5 | 1,109.65 | 5 | 1,452.82 | 5 | 1,795.99 | 5 | 2,139.17 | 5 | 2,482.34 | 5 | 2,825.48 | 5 | 3,168.57 |
| 1/4 | 121.61 | 1/4 | 433.69 | 1/4 | 776.07 | 1/4 | 1,116.80 | 1/4 | 1,459.97 | 1/4 | 1,803.14 | 1/4 | 2,146.31 | 1/4 | 2,489.49 | 1/4 | 2,832.63 | 1/4 | 3,175.72 |
| 1/2 | 127.63 | 1/2 | 440.70 | 1/2 | 783.17 | 1/2 | 1,123.95 | 1/2 | 1,467.12 | 1/2 | 1,810.29 | 1/2 | 2,153.46 | 1/2 | 2,496.64 | 1/2 | 2,839.78 | 1/2 | 3,182.87 |
| 3/4 | 133.65 | 3/4 | 447.72 | 3/4 | 790.27 | 3/4 | 1,131.10 | 3/4 | 1,474.27 | 3/4 | 1,817.44 | 3/4 | 2,160.61 | 3/4 | 2,503.78 | 3/4 | 2,846.93 | 3/4 | 3,190.02 |
| 6 | 139.67 | 6 | 454.74 | 6 | 797.36 | 6 | 1,138.25 | 6 | 1,481.42 | 6 | 1,824.59 | 6 | 2,167.76 | 6 | 2,510.93 | 6 | 2,854.08 | 6 | 3,197.16 |
| 1/4 | 145.77 | 1/4 | 461.84 | 1/4 | 804.45 | 1/4 | 1,145.40 | 1/4 | 1,488.57 | 1/4 | 1,831.74 | 1/4 | 2,174.91 | 1/4 | 2,518.08 | 1/4 | 2,861.22 | 1/4 | 3,204.31 |
| 1/2 | 151.88 | 1/2 | 468.95 | 1/2 | 811.54 | 1/2 | 1,152.55 | 1/2 | 1,495.72 | 1/2 | 1,838.89 | 1/2 | 2,182.06 | 1/2 | 2,525.23 | 1/2 | 2,868.37 | 1/2 | 3,211.46 |
| 3/4 | 157.98 | 3/4 | 476.05 | 3/4 | 818.63 | 3/4 | 1,159.70 | 3/4 | 1,502.87 | 3/4 | 1,846.04 | 3/4 | 2,189.21 | 3/4 | 2,532.38 | 3/4 | 2,875.52 | 3/4 | 3,218.60 |
| 7 | 164.09 | 7 | 483.15 | 7 | 825.72 | 7 | 1,166.85 | 7 | 1,510.02 | 7 | 1,853.19 | 7 | 2,196.36 | 7 | 2,539.53 | 7 | 2,882.67 | 7 | 3,225.75 |
| 1/4 | 170.28 | 1/4 | 490.30 | 1/4 | 832.81 | 1/4 | 1,174.00 | 1/4 | 1,517.17 | 1/4 | 1,860.34 | 1/4 | 2,203.51 | 1/4 | 2,546.68 | 1/4 | 2,889.82 | 1/4 | 3,232.90 |
| 1/2 | 176.47 | 1/2 | 497.45 | 1/2 | 839.90 | 1/2 | 1,181.15 | 1/2 | 1,524.32 | 1/2 | 1,867.49 | 1/2 | 2,210.66 | 1/2 | 2,553.83 | 1/2 | 2,896.97 | 1/2 | 3,240.04 |
| 3/4 | 182.65 | 3/4 | 504.60 | 3/4 | 846.99 | 3/4 | 1,188.29 | 3/4 | 1,531.47 | 3/4 | 1,874.64 | 3/4 | 2,217.81 | 3/4 | 2,560.98 | 3/4 | 2,904.12 | 3/4 | 3,247.19 |
| 8 | 188.84 | 8 | 511.75 | 8 | 854.07 | 8 | 1,195.44 | 8 | 1,538.62 | 8 | 1,881.79 | 8 | 2,224.96 | 8 | 2,568.13 | 8 | 2,911.26 | 8 | 3,254.34 |
| 1/4 | 195.12 | 1/4 | 518.90 | 1/4 | 861.16 | 1/4 | 1,202.59 | 1/4 | 1,545.76 | 1/4 | 1,888.94 | 1/4 | 2,232.11 | 1/4 | 2,575.28 | 1/4 | 2,918.41 | 1/4 | 3,261.49 |
| 1/2 | 201.39 | 1/2 | 526.04 | 1/2 | 868.25 | 1/2 | 1,209.74 | 1/2 | 1,552.91 | 1/2 | 1,896.09 | 1/2 | 2,239.26 | 1/2 | 2,582.43 | 1/2 | 2,925.56 | 1/2 | 3,268.63 |
| 3/4 | 207.66 | 3/4 | 533.19 | 3/4 | 875.34 | 3/4 | 1,216.89 | 3/4 | 1,560.06 | 3/4 | 1,903.23 | 3/4 | 2,246.41 | 3/4 | 2,589.58 | 3/4 | 2,932.71 | 3/4 | 3,275.78 |
| 9 | 213.93 | 9 | 540.34 | 9 | 882.43 | 9 | 1,224.04 | 9 | 1,567.21 | 9 | 1,910.38 | 9 | 2,253.56 | 9 | 2,596.73 | 9 | 2,939.86 | 9 | 3,282.93 |
| 1/4 | 220.29 | 1/4 | 547.49 | 1/4 | 889.52 | 1/4 | 1,231.19 | 1/4 | 1,574.36 | 1/4 | 1,917.53 | 1/4 | 2,260.70 | 1/4 | 2,603.88 | 1/4 | 2,947.01 | 1/4 | 3,290.07 |
| 1/2 | 226.64 | 1/2 | 554.64 | 1/2 | 896.61 | 1/2 | 1,238.34 | 1/2 | 1,581.51 | 1/2 | 1,924.68 | 1/2 | 2,267.85 | 1/2 | 2,611.03 | 1/2 | 2,954.16 | 1/2 | 3,297.22 |
| 3/4 | 233.00 | 3/4 | 561.79 | 3/4 | 903.70 | 3/4 | 1,245.49 | 3/4 | 1,588.66 | 3/4 | 1,931.83 | 3/4 | 2,275.00 | 3/4 | 2,618.17 | 3/4 | 2,961.30 | 3/4 | 3,304.37 |
| 10 | 239.35 | 10 | 568.94 | 10 | 910.78 | 10 | 1,252.64 | 10 | 1,595.81 | 10 | 1,938.98 | 10 | 2,282.15 | 10 | 2,625.32 | 10 | 2,968.45 | 10 | 3,311.51 |
| 1/4 | 245.79 | 1/4 | 576.09 | 1/4 | 917.87 | 1/4 | 1,259.79 | 1/4 | 1,602.96 | 1/4 | 1,946.13 | 1/4 | 2,289.30 | 1/4 | 2,632.47 | 1/4 | 2,975.60 | 1/4 | 3,318.66 |
| 1/2 | 252.23 | 1/2 | 583.24 | 1/2 | 924.96 | 1/2 | 1,266.94 | 1/2 | 1,610.11 | 1/2 | 1,953.28 | 1/2 | 2,296.45 | 1/2 | 2,639.62 | 1/2 | 2,982.75 | 1/2 | 3,325.81 |
| 3/4 | 258.67 | 3/4 | 590.39 | 3/4 | 932.05 | 3/4 | 1,274.09 | 3/4 | 1,617.26 | 3/4 | 1,960.43 | 3/4 | 2,303.60 | 3/4 | 2,646.77 | 3/4 | 2,989.90 | 3/4 | 3,332.96 |
| 11 | 265.11 | 11 | 597.54 | 11 | 939.14 | 11 | 1,281.24 | 11 | 1,624.41 | 11 | 1,967.58 | 11 | 2,310.75 | 11 | 2,653.92 | 11 | 2,997.05 | 11 | 3,340.10 |
| 1/4 | 271.63 | 1/4 | 604.68 | 1/4 | 946.23 | 1/4 | 1,288.39 | 1/4 | 1,631.56 | 1/4 | 1,974.73 | 1/4 | 2,317.90 | 1/4 | 2,661.07 | 1/4 | 3,004.19 | 1/4 | 3,347.25 |
| 1/2 | 278.16 | 1/2 | 611.83 | 1/2 | 953.32 | 1/2 | 1,295.54 | 1/2 | 1,638.71 | 1/2 | 1,981.88 | 1/2 | 2,325.05 | 1/2 | 2,668.22 | 1/2 | 3,011.34 | 1/2 | 3,354.40 |
| 3/4 | 284.68 | 3/4 | 618.98 | 3/4 | 960.41 | 3/4 | 1,302.69 | 3/4 | 1,645.86 | 3/4 | 1,989.03 | 3/4 | 2,332.20 | 3/4 | 2,675.36 | 3/4 | 3,018.49 | 3/4 | 3,361.54 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.**
**GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.**

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# BARGE "FMT 3310"

## 1 PORT

### INNAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 16'-05 1/4"**

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3,368.69 | 0 | 3,711.77 | 0 | 4,054.91 | 0 | 4,397.40 | 0 | 4,738.99 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,375.84 | 1/4 | 3,718.92 | 1/4 | 4,062.06 | 1/4 | 4,404.52 | 1/4 | 4,746.10 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,382.98 | 1/2 | 3,726.07 | 1/2 | 4,069.21 | 1/2 | 4,411.64 | 1/2 | 4,753.22 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,390.13 | 3/4 | 3,733.21 | 3/4 | 4,076.36 | 3/4 | 4,418.75 | 3/4 | 4,760.33 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,397.28 | 1 | 3,740.36 | 1 | 4,083.51 | 1 | 4,425.87 | 1 | 4,767.45 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,404.43 | 1/4 | 3,747.51 | 1/4 | 4,090.65 | 1/4 | 4,432.98 | 1/4 | 4,774.57 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,411.57 | 1/2 | 3,754.66 | 1/2 | 4,097.80 | 1/2 | 4,440.10 | 1/2 | 4,781.68 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,418.72 | 3/4 | 3,761.81 | 3/4 | 4,104.95 | 3/4 | 4,447.22 | 3/4 | 4,788.80 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,425.87 | 2 | 3,768.96 | 2 | 4,112.10 | 2 | 4,454.33 | 2 | 4,795.92 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,433.01 | 1/4 | 3,776.11 | 1/4 | 4,119.25 | 1/4 | 4,461.45 | 1/4 | 4,803.03 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,440.16 | 1/2 | 3,783.26 | 1/2 | 4,126.40 | 1/2 | 4,468.57 | 1/2 | 4,810.15 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,447.31 | 3/4 | 3,790.40 | 3/4 | 4,133.55 | 3/4 | 4,475.68 | 3/4 | 4,817.26 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,454.45 | 3 | 3,797.55 | 3 | 4,140.70 | 3 | 4,482.80 | 3 | 4,824.38 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,461.60 | 1/4 | 3,804.70 | 1/4 | 4,147.84 | 1/4 | 4,489.91 | 1/4 | 4,831.45 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,468.75 | 1/2 | 3,811.85 | 1/2 | 4,154.99 | 1/2 | 4,497.03 | 1/2 | 4,838.52 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,475.90 | 3/4 | 3,819.00 | 3/4 | 4,162.14 | 3/4 | 4,504.15 | 3/4 | 4,845.59 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,483.04 | 4 | 3,826.15 | 4 | 4,169.29 | 4 | 4,511.26 | 4 | 4,852.67 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,490.19 | 1/4 | 3,833.30 | 1/4 | 4,176.44 | 1/4 | 4,518.38 | 1/4 | 4,859.74 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,497.34 | 1/2 | 3,840.45 | 1/2 | 4,183.59 | 1/2 | 4,525.50 | 1/2 | 4,866.81 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,504.48 | 3/4 | 3,847.60 | 3/4 | 4,190.74 | 3/4 | 4,532.61 | 3/4 | 4,873.88 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,511.63 | 5 | 3,854.74 | 5 | 4,197.89 | 5 | 4,539.73 | 5 | 4,880.95 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,518.78 | 1/4 | 3,861.89 | 1/4 | 4,205.04 | 1/4 | 4,546.84 | 1/4 | 4,888.02 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,525.92 | 1/2 | 3,869.04 | 1/2 | 4,212.18 | 1/2 | 4,553.96 | 1/2 | 4,895.09 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,533.07 | 3/4 | 3,876.19 | 3/4 | 4,219.33 | 3/4 | 4,561.08 | 3/4 | 4,902.16 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,540.22 | 6 | 3,883.34 | 6 | 4,226.48 | 6 | 4,568.19 | 6 | 4,909.23 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,547.37 | 1/4 | 3,890.49 | 1/4 | 4,233.63 | 1/4 | 4,575.31 | 1/4 | 4,916.29 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,554.51 | 1/2 | 3,897.64 | 1/2 | 4,240.78 | 1/2 | 4,582.43 | 1/2 | 4,923.35 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,561.66 | 3/4 | 3,904.79 | 3/4 | 4,247.93 | 3/4 | 4,589.54 | 3/4 | 4,930.40 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,568.81 | 7 | 3,911.93 | 7 | 4,255.08 | 7 | 4,596.66 | 7 | 4,937.46 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,575.95 | 1/4 | 3,919.08 | 1/4 | 4,262.19 | 1/4 | 4,603.78 | 1/4 | 4,944.46 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,583.10 | 1/2 | 3,926.23 | 1/2 | 4,269.31 | 1/2 | 4,610.89 | 1/2 | 4,951.47 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,590.25 | 3/4 | 3,933.38 | 3/4 | 4,276.43 | 3/4 | 4,618.01 | 3/4 | 4,958.47 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,597.39 | 8 | 3,940.53 | 8 | 4,283.54 | 8 | 4,625.12 | 8 | 4,965.47 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,604.54 | 1/4 | 3,947.68 | 1/4 | 4,290.66 | 1/4 | 4,632.24 | 1/4 | 4,971.65 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,611.69 | 1/2 | 3,954.83 | 1/2 | 4,297.77 | 1/2 | 4,639.36 | 1/2 | 4,977.83 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,618.84 | 3/4 | 3,961.98 | 3/4 | 4,304.89 | 3/4 | 4,646.47 | 3/4 | 4,984.00 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,625.98 | 9 | 3,969.12 | 9 | 4,312.01 | 9 | 4,653.59 | 9 | 4,990.18 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,633.13 | 1/4 | 3,976.27 | 1/4 | 4,319.12 | 1/4 | 4,660.71 | 1/4 | 4,995.17 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,640.28 | 1/2 | 3,983.42 | 1/2 | 4,326.24 | 1/2 | 4,667.82 | 1/2 | 5,000.15 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,647.43 | 3/4 | 3,990.57 | 3/4 | 4,333.36 | 3/4 | 4,674.94 | 3/4 | 5,005.14 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,654.58 | 10 | 3,997.72 | 10 | 4,340.47 | 10 | 4,682.05 | 10 | 5,010.13 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,661.73 | 1/4 | 4,004.87 | 1/4 | 4,347.59 | 1/4 | 4,689.17 | 1/4 | 5,013.92 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,668.88 | 1/2 | 4,012.02 | 1/2 | 4,354.70 | 1/2 | 4,696.29 | 1/2 | 5,017.71 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,676.02 | 3/4 | 4,019.17 | 3/4 | 4,361.82 | 3/4 | 4,703.40 | 3/4 | 5,021.51 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,683.17 | 11 | 4,026.32 | 11 | 4,368.94 | 11 | 4,710.52 | 11 | 5,025.30 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,690.32 | 1/4 | 4,033.46 | 1/4 | 4,376.05 | 1/4 | 4,717.64 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,697.47 | 1/2 | 4,040.61 | 1/2 | 4,383.17 | 1/2 | 4,724.75 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,704.62 | 3/4 | 4,047.76 | 3/4 | 4,390.29 | 3/4 | 4,731.87 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 1 STBD

### INNAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 14.65 | 0 | 290.82 | 0 | 625.40 | 0 | 967.95 | 0 | 1,310.65 | 0 | 1,653.42 | 0 | 1,996.19 | 0 | 2,338.97 | 0 | 2,681.73 | 0 | 3,024.47 |
| 1/4 | 17.57 | 1/4 | 297.42 | 1/4 | 632.54 | 1/4 | 975.08 | 1/4 | 1,317.79 | 1/4 | 1,660.56 | 1/4 | 2,003.33 | 1/4 | 2,346.11 | 1/4 | 2,688.88 | 1/4 | 3,031.61 |
| 1/2 | 20.48 | 1/2 | 304.02 | 1/2 | 639.68 | 1/2 | 982.21 | 1/2 | 1,324.93 | 1/2 | 1,667.70 | 1/2 | 2,010.48 | 1/2 | 2,353.25 | 1/2 | 2,696.02 | 1/2 | 3,038.75 |
| 3/4 | 23.40 | 3/4 | 310.62 | 3/4 | 646.82 | 3/4 | 989.35 | 3/4 | 1,332.07 | 3/4 | 1,674.84 | 3/4 | 2,017.62 | 3/4 | 2,360.39 | 3/4 | 2,703.16 | 3/4 | 3,045.89 |
| 1 | 26.32 | 1 | 317.22 | 1 | 653.96 | 1 | 996.48 | 1 | 1,339.21 | 1 | 1,681.99 | 1 | 2,024.76 | 1 | 2,367.53 | 1 | 2,710.30 | 1 | 3,053.03 |
| 1/4 | 31.11 | 1/4 | 323.90 | 1/4 | 661.10 | 1/4 | 1,003.61 | 1/4 | 1,346.35 | 1/4 | 1,689.13 | 1/4 | 2,031.90 | 1/4 | 2,374.67 | 1/4 | 2,717.44 | 1/4 | 3,060.16 |
| 1/2 | 35.89 | 1/2 | 330.58 | 1/2 | 668.24 | 1/2 | 1,010.74 | 1/2 | 1,353.49 | 1/2 | 1,696.27 | 1/2 | 2,039.04 | 1/2 | 2,381.81 | 1/2 | 2,724.58 | 1/2 | 3,067.30 |
| 3/4 | 40.68 | 3/4 | 337.26 | 3/4 | 675.39 | 3/4 | 1,017.87 | 3/4 | 1,360.64 | 3/4 | 1,703.41 | 3/4 | 2,046.18 | 3/4 | 2,388.95 | 3/4 | 2,731.72 | 3/4 | 3,074.44 |
| 2 | 45.46 | 2 | 343.94 | 2 | 682.53 | 2 | 1,025.01 | 2 | 1,367.78 | 2 | 1,710.55 | 2 | 2,053.32 | 2 | 2,396.10 | 2 | 2,738.86 | 2 | 3,081.58 |
| 1/4 | 51.19 | 1/4 | 350.71 | 1/4 | 689.67 | 1/4 | 1,032.15 | 1/4 | 1,374.92 | 1/4 | 1,717.69 | 1/4 | 2,060.46 | 1/4 | 2,403.24 | 1/4 | 2,746.00 | 1/4 | 3,088.72 |
| 1/2 | 56.92 | 1/2 | 357.47 | 1/2 | 696.81 | 1/2 | 1,039.29 | 1/2 | 1,382.06 | 1/2 | 1,724.83 | 1/2 | 2,067.60 | 1/2 | 2,410.38 | 1/2 | 2,753.14 | 1/2 | 3,095.86 |
| 3/4 | 62.64 | 3/4 | 364.24 | 3/4 | 703.95 | 3/4 | 1,046.43 | 3/4 | 1,389.20 | 3/4 | 1,731.97 | 3/4 | 2,074.75 | 3/4 | 2,417.52 | 3/4 | 2,760.28 | 3/4 | 3,103.00 |
| 3 | 68.37 | 3 | 371.00 | 3 | 711.09 | 3 | 1,053.57 | 3 | 1,396.34 | 3 | 1,739.11 | 3 | 2,081.89 | 3 | 2,424.66 | 3 | 2,767.42 | 3 | 3,110.14 |
| 1/4 | 74.21 | 1/4 | 377.85 | 1/4 | 718.23 | 1/4 | 1,060.71 | 1/4 | 1,403.48 | 1/4 | 1,746.26 | 1/4 | 2,089.03 | 1/4 | 2,431.80 | 1/4 | 2,774.56 | 1/4 | 3,117.27 |
| 1/2 | 80.04 | 1/2 | 384.70 | 1/2 | 725.37 | 1/2 | 1,067.85 | 1/2 | 1,410.62 | 1/2 | 1,753.40 | 1/2 | 2,096.17 | 1/2 | 2,438.94 | 1/2 | 2,781.70 | 1/2 | 3,124.41 |
| 3/4 | 85.88 | 3/4 | 391.55 | 3/4 | 732.51 | 3/4 | 1,074.99 | 3/4 | 1,417.76 | 3/4 | 1,760.54 | 3/4 | 2,103.31 | 3/4 | 2,446.08 | 3/4 | 2,788.84 | 3/4 | 3,131.55 |
| 4 | 91.71 | 4 | 398.40 | 4 | 739.65 | 4 | 1,082.13 | 4 | 1,424.91 | 4 | 1,767.68 | 4 | 2,110.45 | 4 | 2,453.22 | 4 | 2,795.98 | 4 | 3,138.69 |
| 1/4 | 97.64 | 1/4 | 405.33 | 1/4 | 746.79 | 1/4 | 1,089.27 | 1/4 | 1,432.05 | 1/4 | 1,774.82 | 1/4 | 2,117.59 | 1/4 | 2,460.37 | 1/4 | 2,803.12 | 1/4 | 3,145.83 |
| 1/2 | 103.57 | 1/2 | 412.26 | 1/2 | 753.93 | 1/2 | 1,096.42 | 1/2 | 1,439.19 | 1/2 | 1,781.96 | 1/2 | 2,124.73 | 1/2 | 2,467.51 | 1/2 | 2,810.26 | 1/2 | 3,152.97 |
| 3/4 | 109.50 | 3/4 | 419.19 | 3/4 | 761.07 | 3/4 | 1,103.56 | 3/4 | 1,446.33 | 3/4 | 1,789.10 | 3/4 | 2,131.87 | 3/4 | 2,474.65 | 3/4 | 2,817.40 | 3/4 | 3,160.11 |
| 5 | 115.43 | 5 | 426.12 | 5 | 768.22 | 5 | 1,110.70 | 5 | 1,453.47 | 5 | 1,796.24 | 5 | 2,139.02 | 5 | 2,481.79 | 5 | 2,824.54 | 5 | 3,167.25 |
| 1/4 | 121.44 | 1/4 | 433.14 | 1/4 | 775.36 | 1/4 | 1,117.84 | 1/4 | 1,460.61 | 1/4 | 1,803.38 | 1/4 | 2,146.16 | 1/4 | 2,488.93 | 1/4 | 2,831.69 | 1/4 | 3,174.38 |
| 1/2 | 127.46 | 1/2 | 440.16 | 1/2 | 782.50 | 1/2 | 1,124.98 | 1/2 | 1,467.75 | 1/2 | 1,810.53 | 1/2 | 2,153.30 | 1/2 | 2,496.07 | 1/2 | 2,838.83 | 1/2 | 3,181.52 |
| 3/4 | 133.47 | 3/4 | 447.17 | 3/4 | 789.64 | 3/4 | 1,132.12 | 3/4 | 1,474.89 | 3/4 | 1,817.67 | 3/4 | 2,160.44 | 3/4 | 2,503.21 | 3/4 | 2,845.97 | 3/4 | 3,188.66 |
| 6 | 139.48 | 6 | 454.19 | 6 | 796.78 | 6 | 1,139.26 | 6 | 1,482.03 | 6 | 1,824.81 | 6 | 2,167.58 | 6 | 2,510.35 | 6 | 2,853.11 | 6 | 3,195.80 |
| 1/4 | 145.58 | 1/4 | 461.29 | 1/4 | 803.91 | 1/4 | 1,146.40 | 1/4 | 1,489.18 | 1/4 | 1,831.95 | 1/4 | 2,174.72 | 1/4 | 2,517.49 | 1/4 | 2,860.25 | 1/4 | 3,202.94 |
| 1/2 | 151.68 | 1/2 | 468.39 | 1/2 | 811.04 | 1/2 | 1,153.54 | 1/2 | 1,496.32 | 1/2 | 1,839.09 | 1/2 | 2,181.86 | 1/2 | 2,524.64 | 1/2 | 2,867.39 | 1/2 | 3,210.08 |
| 3/4 | 157.77 | 3/4 | 475.48 | 3/4 | 818.17 | 3/4 | 1,160.69 | 3/4 | 1,503.46 | 3/4 | 1,846.23 | 3/4 | 2,189.00 | 3/4 | 2,531.78 | 3/4 | 2,874.53 | 3/4 | 3,217.22 |
| 7 | 163.87 | 7 | 482.58 | 7 | 825.31 | 7 | 1,167.83 | 7 | 1,510.60 | 7 | 1,853.37 | 7 | 2,196.14 | 7 | 2,538.92 | 7 | 2,881.67 | 7 | 3,224.35 |
| 1/4 | 170.05 | 1/4 | 489.72 | 1/4 | 832.44 | 1/4 | 1,174.97 | 1/4 | 1,517.74 | 1/4 | 1,860.51 | 1/4 | 2,203.29 | 1/4 | 2,546.06 | 1/4 | 2,888.81 | 1/4 | 3,231.49 |
| 1/2 | 176.23 | 1/2 | 496.87 | 1/2 | 839.57 | 1/2 | 1,182.11 | 1/2 | 1,524.88 | 1/2 | 1,867.65 | 1/2 | 2,210.43 | 1/2 | 2,553.20 | 1/2 | 2,895.95 | 1/2 | 3,238.63 |
| 3/4 | 182.41 | 3/4 | 504.01 | 3/4 | 846.70 | 3/4 | 1,189.25 | 3/4 | 1,532.02 | 3/4 | 1,874.80 | 3/4 | 2,217.57 | 3/4 | 2,560.34 | 3/4 | 2,903.09 | 3/4 | 3,245.77 |
| 8 | 188.59 | 8 | 511.15 | 8 | 853.83 | 8 | 1,196.39 | 8 | 1,539.16 | 8 | 1,881.94 | 8 | 2,224.71 | 8 | 2,567.48 | 8 | 2,910.23 | 8 | 3,252.91 |
| 1/4 | 194.86 | 1/4 | 518.29 | 1/4 | 860.97 | 1/4 | 1,203.53 | 1/4 | 1,546.30 | 1/4 | 1,889.08 | 1/4 | 2,231.85 | 1/4 | 2,574.62 | 1/4 | 2,917.37 | 1/4 | 3,260.05 |
| 1/2 | 201.12 | 1/2 | 525.43 | 1/2 | 868.10 | 1/2 | 1,210.67 | 1/2 | 1,553.45 | 1/2 | 1,896.22 | 1/2 | 2,238.99 | 1/2 | 2,581.76 | 1/2 | 2,924.51 | 1/2 | 3,267.19 |
| 3/4 | 207.39 | 3/4 | 532.57 | 3/4 | 875.23 | 3/4 | 1,217.81 | 3/4 | 1,560.59 | 3/4 | 1,903.36 | 3/4 | 2,246.13 | 3/4 | 2,588.91 | 3/4 | 2,931.65 | 3/4 | 3,274.33 |
| 9 | 213.65 | 9 | 539.71 | 9 | 882.36 | 9 | 1,224.96 | 9 | 1,567.73 | 9 | 1,910.50 | 9 | 2,253.27 | 9 | 2,596.05 | 9 | 2,938.79 | 9 | 3,281.46 |
| 1/4 | 220.00 | 1/4 | 546.85 | 1/4 | 889.49 | 1/4 | 1,232.10 | 1/4 | 1,574.87 | 1/4 | 1,917.64 | 1/4 | 2,260.41 | 1/4 | 2,603.19 | 1/4 | 2,945.93 | 1/4 | 3,288.60 |
| 1/2 | 226.35 | 1/2 | 553.99 | 1/2 | 896.63 | 1/2 | 1,239.24 | 1/2 | 1,582.01 | 1/2 | 1,924.78 | 1/2 | 2,267.56 | 1/2 | 2,610.33 | 1/2 | 2,953.07 | 1/2 | 3,295.74 |
| 3/4 | 232.69 | 3/4 | 561.13 | 3/4 | 903.76 | 3/4 | 1,246.38 | 3/4 | 1,589.15 | 3/4 | 1,931.92 | 3/4 | 2,274.70 | 3/4 | 2,617.47 | 3/4 | 2,960.21 | 3/4 | 3,302.88 |
| 10 | 239.04 | 10 | 568.27 | 10 | 910.89 | 10 | 1,253.52 | 10 | 1,596.29 | 10 | 1,939.07 | 10 | 2,281.84 | 10 | 2,624.61 | 10 | 2,967.35 | 10 | 3,310.02 |
| 1/4 | 245.47 | 1/4 | 575.41 | 1/4 | 918.02 | 1/4 | 1,260.66 | 1/4 | 1,603.43 | 1/4 | 1,946.21 | 1/4 | 2,288.98 | 1/4 | 2,631.75 | 1/4 | 2,974.50 | 1/4 | 3,317.16 |
| 1/2 | 251.90 | 1/2 | 582.55 | 1/2 | 925.16 | 1/2 | 1,267.80 | 1/2 | 1,610.57 | 1/2 | 1,953.35 | 1/2 | 2,296.12 | 1/2 | 2,638.89 | 1/2 | 2,981.64 | 1/2 | 3,324.30 |
| 3/4 | 258.33 | 3/4 | 589.70 | 3/4 | 932.29 | 3/4 | 1,274.94 | 3/4 | 1,617.72 | 3/4 | 1,960.49 | 3/4 | 2,303.26 | 3/4 | 2,646.03 | 3/4 | 2,988.78 | 3/4 | 3,331.44 |
| 11 | 264.76 | 11 | 596.84 | 11 | 939.42 | 11 | 1,282.08 | 11 | 1,624.86 | 11 | 1,967.63 | 11 | 2,310.40 | 11 | 2,653.17 | 11 | 2,995.92 | 11 | 3,338.57 |
| 1/4 | 271.28 | 1/4 | 603.98 | 1/4 | 946.55 | 1/4 | 1,289.22 | 1/4 | 1,632.00 | 1/4 | 1,974.77 | 1/4 | 2,317.54 | 1/4 | 2,660.31 | 1/4 | 3,003.06 | 1/4 | 3,345.71 |
| 1/2 | 277.79 | 1/2 | 611.12 | 1/2 | 953.68 | 1/2 | 1,296.37 | 1/2 | 1,639.14 | 1/2 | 1,981.91 | 1/2 | 2,324.68 | 1/2 | 2,667.45 | 1/2 | 3,010.19 | 1/2 | 3,352.85 |
| 3/4 | 284.31 | 3/4 | 618.26 | 3/4 | 960.82 | 3/4 | 1,303.51 | 3/4 | 1,646.28 | 3/4 | 1,989.05 | 3/4 | 2,331.83 | 3/4 | 2,674.59 | 3/4 | 3,017.33 | 3/4 | 3,359.99 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.**
**GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 1 STBD

### INNAGE TABLE
### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 16'-04 3/4"**

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3,367.13 | 0 | 3,709.81 | 0 | 4,052.56 | 0 | 4,394.66 | 0 | 4,735.84 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,374.27 | 1/4 | 3,716.95 | 1/4 | 4,059.70 | 1/4 | 4,401.76 | 1/4 | 4,742.95 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,381.41 | 1/2 | 3,724.09 | 1/2 | 4,066.84 | 1/2 | 4,408.87 | 1/2 | 4,750.06 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,388.55 | 3/4 | 3,731.23 | 3/4 | 4,073.98 | 3/4 | 4,415.98 | 3/4 | 4,757.16 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,395.68 | 1 | 3,738.37 | 1 | 4,081.12 | 1 | 4,423.09 | 1 | 4,764.27 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,402.82 | 1/4 | 3,745.51 | 1/4 | 4,088.26 | 1/4 | 4,430.20 | 1/4 | 4,771.38 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,409.96 | 1/2 | 3,752.65 | 1/2 | 4,095.40 | 1/2 | 4,437.30 | 1/2 | 4,778.49 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,417.10 | 3/4 | 3,759.79 | 3/4 | 4,102.54 | 3/4 | 4,444.41 | 3/4 | 4,785.60 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,424.24 | 2 | 3,766.93 | 2 | 4,109.68 | 2 | 4,451.52 | 2 | 4,792.70 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,431.38 | 1/4 | 3,774.07 | 1/4 | 4,116.82 | 1/4 | 4,458.63 | 1/4 | 4,799.81 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,438.52 | 1/2 | 3,781.22 | 1/2 | 4,123.96 | 1/2 | 4,465.74 | 1/2 | 4,806.92 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,445.65 | 3/4 | 3,788.36 | 3/4 | 4,131.10 | 3/4 | 4,472.84 | 3/4 | 4,814.03 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,452.79 | 3 | 3,795.50 | 3 | 4,138.25 | 3 | 4,479.95 | 3 | 4,821.14 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,459.93 | 1/4 | 3,802.64 | 1/4 | 4,145.39 | 1/4 | 4,487.06 | 1/4 | 4,828.20 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,467.07 | 1/2 | 3,809.78 | 1/2 | 4,152.53 | 1/2 | 4,494.17 | 1/2 | 4,835.26 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,474.21 | 3/4 | 3,816.92 | 3/4 | 4,159.67 | 3/4 | 4,501.28 | 3/4 | 4,842.32 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,481.35 | 4 | 3,824.06 | 4 | 4,166.81 | 4 | 4,508.38 | 4 | 4,849.39 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,488.49 | 1/4 | 3,831.20 | 1/4 | 4,173.95 | 1/4 | 4,515.49 | 1/4 | 4,856.45 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,495.63 | 1/2 | 3,838.34 | 1/2 | 4,181.09 | 1/2 | 4,522.60 | 1/2 | 4,863.51 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,502.76 | 3/4 | 3,845.48 | 3/4 | 4,188.23 | 3/4 | 4,529.71 | 3/4 | 4,870.58 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,509.90 | 5 | 3,852.62 | 5 | 4,195.37 | 5 | 4,536.82 | 5 | 4,877.64 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,517.04 | 1/4 | 3,859.76 | 1/4 | 4,202.51 | 1/4 | 4,543.92 | 1/4 | 4,884.70 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,524.18 | 1/2 | 3,866.90 | 1/2 | 4,209.65 | 1/2 | 4,551.03 | 1/2 | 4,891.76 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,531.32 | 3/4 | 3,874.04 | 3/4 | 4,216.79 | 3/4 | 4,558.14 | 3/4 | 4,898.83 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,538.46 | 6 | 3,881.18 | 6 | 4,223.93 | 6 | 4,565.25 | 6 | 4,905.89 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,545.60 | 1/4 | 3,888.32 | 1/4 | 4,231.07 | 1/4 | 4,572.36 | 1/4 | 4,912.94 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,552.74 | 1/2 | 3,895.47 | 1/2 | 4,238.21 | 1/2 | 4,579.46 | 1/2 | 4,919.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,559.87 | 3/4 | 3,902.61 | 3/4 | 4,245.35 | 3/4 | 4,586.57 | 3/4 | 4,927.03 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,567.01 | 7 | 3,909.75 | 7 | 4,252.50 | 7 | 4,593.68 | 7 | 4,934.08 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,574.15 | 1/4 | 3,916.89 | 1/4 | 4,259.60 | 1/4 | 4,600.79 | 1/4 | 4,941.08 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,581.29 | 1/2 | 3,924.03 | 1/2 | 4,266.71 | 1/2 | 4,607.90 | 1/2 | 4,948.07 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,588.43 | 3/4 | 3,931.17 | 3/4 | 4,273.82 | 3/4 | 4,615.00 | 3/4 | 4,955.07 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,595.57 | 8 | 3,938.31 | 8 | 4,280.93 | 8 | 4,622.11 | 8 | 4,962.06 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,602.71 | 1/4 | 3,945.45 | 1/4 | 4,288.04 | 1/4 | 4,629.22 | 1/4 | 4,968.23 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,609.84 | 1/2 | 3,952.59 | 1/2 | 4,295.14 | 1/2 | 4,636.33 | 1/2 | 4,974.40 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,616.98 | 3/4 | 3,959.73 | 3/4 | 4,302.25 | 3/4 | 4,643.44 | 3/4 | 4,980.57 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,624.12 | 9 | 3,966.87 | 9 | 4,309.36 | 9 | 4,650.54 | 9 | 4,986.74 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,631.26 | 1/4 | 3,974.01 | 1/4 | 4,316.47 | 1/4 | 4,657.65 | 1/4 | 4,991.72 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,638.40 | 1/2 | 3,981.15 | 1/2 | 4,323.58 | 1/2 | 4,664.76 | 1/2 | 4,996.70 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,645.54 | 3/4 | 3,988.29 | 3/4 | 4,330.68 | 3/4 | 4,671.87 | 3/4 | 5,001.68 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,652.68 | 10 | 3,995.43 | 10 | 4,337.79 | 10 | 4,678.98 | 10 | 5,006.66 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,659.83 | 1/4 | 4,002.57 | 1/4 | 4,344.90 | 1/4 | 4,686.08 | 1/4 | 5,010.45 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,666.97 | 1/2 | 4,009.71 | 1/2 | 4,352.01 | 1/2 | 4,693.19 | 1/2 | 5,014.24 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,674.11 | 3/4 | 4,016.86 | 3/4 | 4,359.12 | 3/4 | 4,700.30 | 3/4 | 5,018.03 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,681.25 | 11 | 4,024.00 | 11 | 4,366.22 | 11 | 4,707.41 | 11 | 5,021.82 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,688.39 | 1/4 | 4,031.14 | 1/4 | 4,373.33 | 1/4 | 4,714.52 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,695.53 | 1/2 | 4,038.28 | 1/2 | 4,380.44 | 1/2 | 4,721.62 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,702.67 | 3/4 | 4,045.42 | 3/4 | 4,387.55 | 3/4 | 4,728.73 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
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**Pearland, Texas 77588**
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# BARGE "FMT 3310"

## 2 PORT

### INNAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 16'-05 3/4"**

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 14.69 | 0 | 344.04 | 0 | 687.92 | 0 | 1,022.07 | 0 | 1,361.17 | 0 | 1,705.06 | 0 | 2,048.95 | 0 | 2,392.84 | 0 | 2,736.73 | 0 | 3,080.62 |
| 1/4 | 19.17 | 1/4 | 351.21 | 1/4 | 695.08 | 1/4 | 1,028.93 | 1/4 | 1,368.33 | 1/4 | 1,712.22 | 1/4 | 2,056.11 | 1/4 | 2,400.01 | 1/4 | 2,743.90 | 1/4 | 3,087.78 |
| 1/2 | 23.65 | 1/2 | 358.37 | 1/2 | 702.25 | 1/2 | 1,035.79 | 1/2 | 1,375.50 | 1/2 | 1,719.39 | 1/2 | 2,063.28 | 1/2 | 2,407.17 | 1/2 | 2,751.06 | 1/2 | 3,094.94 |
| 3/4 | 28.13 | 3/4 | 365.54 | 3/4 | 709.41 | 3/4 | 1,042.64 | 3/4 | 1,382.66 | 3/4 | 1,726.55 | 3/4 | 2,070.44 | 3/4 | 2,414.33 | 3/4 | 2,758.23 | 3/4 | 3,102.10 |
| 1 | 32.60 | 1 | 372.70 | 1 | 716.58 | 1 | 1,049.50 | 1 | 1,389.83 | 1 | 1,733.72 | 1 | 2,077.61 | 1 | 2,421.50 | 1 | 2,765.39 | 1 | 3,109.26 |
| 1/4 | 38.87 | 1/4 | 379.86 | 1/4 | 723.74 | 1/4 | 1,056.35 | 1/4 | 1,396.99 | 1/4 | 1,740.88 | 1/4 | 2,084.77 | 1/4 | 2,428.66 | 1/4 | 2,772.55 | 1/4 | 3,116.43 |
| 1/2 | 45.14 | 1/2 | 387.03 | 1/2 | 730.90 | 1/2 | 1,063.21 | 1/2 | 1,404.15 | 1/2 | 1,748.05 | 1/2 | 2,091.94 | 1/2 | 2,435.83 | 1/2 | 2,779.72 | 1/2 | 3,123.59 |
| 3/4 | 51.41 | 3/4 | 394.19 | 3/4 | 738.07 | 3/4 | 1,070.07 | 3/4 | 1,411.32 | 3/4 | 1,755.21 | 3/4 | 2,099.10 | 3/4 | 2,442.99 | 3/4 | 2,786.88 | 3/4 | 3,130.75 |
| 2 | 57.67 | 2 | 401.36 | 2 | 745.23 | 2 | 1,076.92 | 2 | 1,418.48 | 2 | 1,762.37 | 2 | 2,106.27 | 2 | 2,450.16 | 2 | 2,794.05 | 2 | 3,137.91 |
| 1/4 | 64.80 | 1/4 | 408.52 | 1/4 | 752.40 | 1/4 | 1,083.79 | 1/4 | 1,425.65 | 1/4 | 1,769.54 | 1/4 | 2,113.43 | 1/4 | 2,457.32 | 1/4 | 2,801.21 | 1/4 | 3,145.07 |
| 1/2 | 71.93 | 1/2 | 415.68 | 1/2 | 759.56 | 1/2 | 1,090.65 | 1/2 | 1,432.81 | 1/2 | 1,776.70 | 1/2 | 2,120.59 | 1/2 | 2,464.49 | 1/2 | 2,808.38 | 1/2 | 3,152.24 |
| 3/4 | 79.06 | 3/4 | 422.85 | 3/4 | 766.73 | 3/4 | 1,097.52 | 3/4 | 1,439.98 | 3/4 | 1,783.87 | 3/4 | 2,127.76 | 3/4 | 2,471.65 | 3/4 | 2,815.54 | 3/4 | 3,159.40 |
| 3 | 86.18 | 3 | 430.01 | 3 | 773.89 | 3 | 1,104.38 | 3 | 1,447.14 | 3 | 1,791.03 | 3 | 2,134.92 | 3 | 2,478.81 | 3 | 2,822.71 | 3 | 3,166.56 |
| 1/4 | 93.34 | 1/4 | 437.18 | 1/4 | 781.05 | 1/4 | 1,111.26 | 1/4 | 1,454.31 | 1/4 | 1,798.20 | 1/4 | 2,142.09 | 1/4 | 2,485.98 | 1/4 | 2,829.87 | 1/4 | 3,173.72 |
| 1/2 | 100.49 | 1/2 | 444.34 | 1/2 | 788.22 | 1/2 | 1,118.14 | 1/2 | 1,461.47 | 1/2 | 1,805.36 | 1/2 | 2,149.25 | 1/2 | 2,493.14 | 1/2 | 2,837.03 | 1/2 | 3,180.89 |
| 3/4 | 107.64 | 3/4 | 451.51 | 3/4 | 795.38 | 3/4 | 1,125.03 | 3/4 | 1,468.63 | 3/4 | 1,812.53 | 3/4 | 2,156.42 | 3/4 | 2,500.31 | 3/4 | 2,844.20 | 3/4 | 3,188.05 |
| 4 | 114.80 | 4 | 458.67 | 4 | 802.55 | 4 | 1,131.91 | 4 | 1,475.80 | 4 | 1,819.69 | 4 | 2,163.58 | 4 | 2,507.47 | 4 | 2,851.36 | 4 | 3,195.21 |
| 1/4 | 121.96 | 1/4 | 465.83 | 1/4 | 809.43 | 1/4 | 1,139.07 | 1/4 | 1,482.96 | 1/4 | 1,826.85 | 1/4 | 2,170.75 | 1/4 | 2,514.64 | 1/4 | 2,858.53 | 1/4 | 3,202.37 |
| 1/2 | 129.12 | 1/2 | 473.00 | 1/2 | 816.31 | 1/2 | 1,146.24 | 1/2 | 1,490.13 | 1/2 | 1,834.02 | 1/2 | 2,177.91 | 1/2 | 2,521.80 | 1/2 | 2,865.69 | 1/2 | 3,209.53 |
| 3/4 | 136.29 | 3/4 | 480.16 | 3/4 | 823.19 | 3/4 | 1,153.40 | 3/4 | 1,497.29 | 3/4 | 1,841.18 | 3/4 | 2,185.07 | 3/4 | 2,528.97 | 3/4 | 2,872.86 | 3/4 | 3,216.70 |
| 5 | 143.45 | 5 | 487.33 | 5 | 830.07 | 5 | 1,160.56 | 5 | 1,504.46 | 5 | 1,848.35 | 5 | 2,192.24 | 5 | 2,536.13 | 5 | 2,880.02 | 5 | 3,223.86 |
| 1/4 | 150.61 | 1/4 | 494.49 | 1/4 | 836.93 | 1/4 | 1,167.73 | 1/4 | 1,511.62 | 1/4 | 1,855.51 | 1/4 | 2,199.40 | 1/4 | 2,543.29 | 1/4 | 2,887.19 | 1/4 | 3,231.02 |
| 1/2 | 157.78 | 1/2 | 501.65 | 1/2 | 843.80 | 1/2 | 1,174.89 | 1/2 | 1,518.78 | 1/2 | 1,862.68 | 1/2 | 2,206.57 | 1/2 | 2,550.46 | 1/2 | 2,894.35 | 1/2 | 3,238.18 |
| 3/4 | 164.94 | 3/4 | 508.82 | 3/4 | 850.66 | 3/4 | 1,182.06 | 3/4 | 1,525.95 | 3/4 | 1,869.84 | 3/4 | 2,213.73 | 3/4 | 2,557.62 | 3/4 | 2,901.51 | 3/4 | 3,245.35 |
| 6 | 172.11 | 6 | 515.98 | 6 | 857.53 | 6 | 1,189.22 | 6 | 1,533.11 | 6 | 1,877.00 | 6 | 2,220.90 | 6 | 2,564.79 | 6 | 2,908.68 | 6 | 3,252.51 |
| 1/4 | 179.27 | 1/4 | 523.15 | 1/4 | 864.38 | 1/4 | 1,196.39 | 1/4 | 1,540.28 | 1/4 | 1,884.17 | 1/4 | 2,228.06 | 1/4 | 2,571.95 | 1/4 | 2,915.84 | 1/4 | 3,259.67 |
| 1/2 | 186.43 | 1/2 | 530.31 | 1/2 | 871.24 | 1/2 | 1,203.55 | 1/2 | 1,547.44 | 1/2 | 1,891.33 | 1/2 | 2,235.22 | 1/2 | 2,579.12 | 1/2 | 2,923.01 | 1/2 | 3,266.83 |
| 3/4 | 193.60 | 3/4 | 537.47 | 3/4 | 878.10 | 3/4 | 1,210.72 | 3/4 | 1,554.61 | 3/4 | 1,898.50 | 3/4 | 2,242.39 | 3/4 | 2,586.28 | 3/4 | 2,930.17 | 3/4 | 3,273.99 |
| 7 | 200.76 | 7 | 544.64 | 7 | 884.95 | 7 | 1,217.88 | 7 | 1,561.77 | 7 | 1,905.66 | 7 | 2,249.55 | 7 | 2,593.44 | 7 | 2,937.34 | 7 | 3,281.16 |
| 1/4 | 207.93 | 1/4 | 551.80 | 1/4 | 891.81 | 1/4 | 1,225.04 | 1/4 | 1,568.94 | 1/4 | 1,912.83 | 1/4 | 2,256.72 | 1/4 | 2,600.61 | 1/4 | 2,944.50 | 1/4 | 3,288.32 |
| 1/2 | 215.09 | 1/2 | 558.97 | 1/2 | 898.66 | 1/2 | 1,232.21 | 1/2 | 1,576.10 | 1/2 | 1,919.99 | 1/2 | 2,263.88 | 1/2 | 2,607.77 | 1/2 | 2,951.66 | 1/2 | 3,295.48 |
| 3/4 | 222.25 | 3/4 | 566.13 | 3/4 | 905.52 | 3/4 | 1,239.37 | 3/4 | 1,583.26 | 3/4 | 1,927.16 | 3/4 | 2,271.05 | 3/4 | 2,614.94 | 3/4 | 2,958.83 | 3/4 | 3,302.64 |
| 8 | 229.42 | 8 | 573.29 | 8 | 912.38 | 8 | 1,246.54 | 8 | 1,590.43 | 8 | 1,934.32 | 8 | 2,278.21 | 8 | 2,622.10 | 8 | 2,965.99 | 8 | 3,309.81 |
| 1/4 | 236.58 | 1/4 | 580.46 | 1/4 | 919.23 | 1/4 | 1,253.70 | 1/4 | 1,597.59 | 1/4 | 1,941.48 | 1/4 | 2,285.38 | 1/4 | 2,629.27 | 1/4 | 2,973.16 | 1/4 | 3,316.97 |
| 1/2 | 243.75 | 1/2 | 587.62 | 1/2 | 926.09 | 1/2 | 1,260.87 | 1/2 | 1,604.76 | 1/2 | 1,948.65 | 1/2 | 2,292.54 | 1/2 | 2,636.43 | 1/2 | 2,980.32 | 1/2 | 3,324.13 |
| 3/4 | 250.91 | 3/4 | 594.79 | 3/4 | 932.94 | 3/4 | 1,268.03 | 3/4 | 1,611.92 | 3/4 | 1,955.81 | 3/4 | 2,299.70 | 3/4 | 2,643.60 | 3/4 | 2,987.49 | 3/4 | 3,331.29 |
| 9 | 258.07 | 9 | 601.95 | 9 | 939.80 | 9 | 1,275.20 | 9 | 1,619.09 | 9 | 1,962.98 | 9 | 2,306.87 | 9 | 2,650.76 | 9 | 2,994.65 | 9 | 3,338.45 |
| 1/4 | 265.24 | 1/4 | 609.12 | 1/4 | 946.66 | 1/4 | 1,282.36 | 1/4 | 1,626.25 | 1/4 | 1,970.14 | 1/4 | 2,314.03 | 1/4 | 2,657.92 | 1/4 | 3,001.82 | 1/4 | 3,345.62 |
| 1/2 | 272.40 | 1/2 | 616.28 | 1/2 | 953.51 | 1/2 | 1,289.52 | 1/2 | 1,633.42 | 1/2 | 1,977.31 | 1/2 | 2,321.20 | 1/2 | 2,665.09 | 1/2 | 3,008.98 | 1/2 | 3,352.78 |
| 3/4 | 279.57 | 3/4 | 623.44 | 3/4 | 960.37 | 3/4 | 1,296.69 | 3/4 | 1,640.58 | 3/4 | 1,984.47 | 3/4 | 2,328.36 | 3/4 | 2,672.25 | 3/4 | 3,016.14 | 3/4 | 3,359.94 |
| 10 | 286.73 | 10 | 630.61 | 10 | 967.22 | 10 | 1,303.85 | 10 | 1,647.74 | 10 | 1,991.64 | 10 | 2,335.53 | 10 | 2,679.42 | 10 | 3,023.31 | 10 | 3,367.10 |
| 1/4 | 293.89 | 1/4 | 637.77 | 1/4 | 974.08 | 1/4 | 1,311.02 | 1/4 | 1,654.91 | 1/4 | 1,998.80 | 1/4 | 2,342.69 | 1/4 | 2,686.58 | 1/4 | 3,030.47 | 1/4 | 3,374.27 |
| 1/2 | 301.06 | 1/2 | 644.94 | 1/2 | 980.94 | 1/2 | 1,318.18 | 1/2 | 1,662.07 | 1/2 | 2,005.96 | 1/2 | 2,349.86 | 1/2 | 2,693.75 | 1/2 | 3,037.64 | 1/2 | 3,381.43 |
| 3/4 | 308.22 | 3/4 | 652.10 | 3/4 | 987.79 | 3/4 | 1,325.35 | 3/4 | 1,669.24 | 3/4 | 2,013.13 | 3/4 | 2,357.02 | 3/4 | 2,700.91 | 3/4 | 3,044.80 | 3/4 | 3,388.59 |
| 11 | 315.39 | 11 | 659.26 | 11 | 994.65 | 11 | 1,332.51 | 11 | 1,676.40 | 11 | 2,020.29 | 11 | 2,364.18 | 11 | 2,708.08 | 11 | 3,051.97 | 11 | 3,395.75 |
| 1/4 | 322.55 | 1/4 | 666.43 | 1/4 | 1,001.51 | 1/4 | 1,339.67 | 1/4 | 1,683.57 | 1/4 | 2,027.46 | 1/4 | 2,371.35 | 1/4 | 2,715.24 | 1/4 | 3,059.13 | 1/4 | 3,402.91 |
| 1/2 | 329.72 | 1/2 | 673.59 | 1/2 | 1,008.36 | 1/2 | 1,346.84 | 1/2 | 1,690.73 | 1/2 | 2,034.62 | 1/2 | 2,378.51 | 1/2 | 2,722.40 | 1/2 | 3,066.29 | 1/2 | 3,410.08 |
| 3/4 | 336.88 | 3/4 | 680.76 | 3/4 | 1,015.22 | 3/4 | 1,354.00 | 3/4 | 1,697.89 | 3/4 | 2,041.79 | 3/4 | 2,385.68 | 3/4 | 2,729.57 | 3/4 | 3,073.45 | 3/4 | 3,417.24 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.**
**GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
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# BARGE "FMT 3310"

## 2 PORT

### INNAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 16'-05 3/4"**

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3,424.40 | 0 | 3,768.19 | 0 | 4,111.97 | 0 | 4,455.11 | 0 | 4,797.33 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,431.56 | 1/4 | 3,775.35 | 1/4 | 4,119.13 | 1/4 | 4,462.24 | 1/4 | 4,804.46 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,438.73 | 1/2 | 3,782.51 | 1/2 | 4,126.30 | 1/2 | 4,469.36 | 1/2 | 4,811.59 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,445.89 | 3/4 | 3,789.67 | 3/4 | 4,133.46 | 3/4 | 4,476.49 | 3/4 | 4,818.72 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,453.05 | 1 | 3,796.84 | 1 | 4,140.62 | 1 | 4,483.62 | 1 | 4,825.84 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,460.21 | 1/4 | 3,804.00 | 1/4 | 4,147.78 | 1/4 | 4,490.75 | 1/4 | 4,832.97 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,467.37 | 1/2 | 3,811.16 | 1/2 | 4,154.95 | 1/2 | 4,497.88 | 1/2 | 4,840.10 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,474.54 | 3/4 | 3,818.32 | 3/4 | 4,162.11 | 3/4 | 4,505.01 | 3/4 | 4,847.23 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,481.70 | 2 | 3,825.48 | 2 | 4,169.27 | 2 | 4,512.14 | 2 | 4,854.36 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,488.86 | 1/4 | 3,832.65 | 1/4 | 4,176.43 | 1/4 | 4,519.27 | 1/4 | 4,861.49 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,496.02 | 1/2 | 3,839.81 | 1/2 | 4,183.59 | 1/2 | 4,526.40 | 1/2 | 4,868.62 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,503.18 | 3/4 | 3,846.97 | 3/4 | 4,190.76 | 3/4 | 4,533.53 | 3/4 | 4,875.75 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,510.35 | 3 | 3,854.13 | 3 | 4,197.92 | 3 | 4,540.66 | 3 | 4,882.88 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,517.51 | 1/4 | 3,861.29 | 1/4 | 4,205.08 | 1/4 | 4,547.79 | 1/4 | 4,889.97 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,524.67 | 1/2 | 3,868.46 | 1/2 | 4,212.24 | 1/2 | 4,554.92 | 1/2 | 4,897.05 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,531.83 | 3/4 | 3,875.62 | 3/4 | 4,219.40 | 3/4 | 4,562.05 | 3/4 | 4,904.14 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,539.00 | 4 | 3,882.78 | 4 | 4,226.57 | 4 | 4,569.18 | 4 | 4,911.22 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,546.16 | 1/4 | 3,889.94 | 1/4 | 4,233.73 | 1/4 | 4,576.31 | 1/4 | 4,918.31 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,553.32 | 1/2 | 3,897.11 | 1/2 | 4,240.89 | 1/2 | 4,583.44 | 1/2 | 4,925.39 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,560.48 | 3/4 | 3,904.27 | 3/4 | 4,248.05 | 3/4 | 4,590.57 | 3/4 | 4,932.48 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,567.64 | 5 | 3,911.43 | 5 | 4,255.22 | 5 | 4,597.70 | 5 | 4,939.56 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,574.81 | 1/4 | 3,918.59 | 1/4 | 4,262.38 | 1/4 | 4,604.83 | 1/4 | 4,946.64 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,581.97 | 1/2 | 3,925.75 | 1/2 | 4,269.54 | 1/2 | 4,611.96 | 1/2 | 4,953.73 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,589.13 | 3/4 | 3,932.92 | 3/4 | 4,276.70 | 3/4 | 4,619.09 | 3/4 | 4,960.81 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,596.29 | 6 | 3,940.08 | 6 | 4,283.86 | 6 | 4,626.22 | 6 | 4,967.89 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,603.46 | 1/4 | 3,947.24 | 1/4 | 4,291.03 | 1/4 | 4,633.35 | 1/4 | 4,974.96 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,610.62 | 1/2 | 3,954.40 | 1/2 | 4,298.19 | 1/2 | 4,640.48 | 1/2 | 4,982.03 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,617.78 | 3/4 | 3,961.57 | 3/4 | 4,305.35 | 3/4 | 4,647.60 | 3/4 | 4,989.10 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,624.94 | 7 | 3,968.73 | 7 | 4,312.51 | 7 | 4,654.73 | 7 | 4,996.17 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,632.10 | 1/4 | 3,975.89 | 1/4 | 4,319.64 | 1/4 | 4,661.86 | 1/4 | 5,003.19 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,639.27 | 1/2 | 3,983.05 | 1/2 | 4,326.77 | 1/2 | 4,668.99 | 1/2 | 5,010.20 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,646.43 | 3/4 | 3,990.21 | 3/4 | 4,333.90 | 3/4 | 4,676.12 | 3/4 | 5,017.22 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,653.59 | 8 | 3,997.38 | 8 | 4,341.03 | 8 | 4,683.25 | 8 | 5,024.23 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,660.75 | 1/4 | 4,004.54 | 1/4 | 4,348.16 | 1/4 | 4,690.38 | 1/4 | 5,030.42 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,667.92 | 1/2 | 4,011.70 | 1/2 | 4,355.29 | 1/2 | 4,697.51 | 1/2 | 5,036.61 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,675.08 | 3/4 | 4,018.86 | 3/4 | 4,362.42 | 3/4 | 4,704.64 | 3/4 | 5,042.80 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,682.24 | 9 | 4,026.03 | 9 | 4,369.55 | 9 | 4,711.77 | 9 | 5,048.99 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,689.40 | 1/4 | 4,033.19 | 1/4 | 4,376.68 | 1/4 | 4,718.90 | 1/4 | 5,053.98 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,696.56 | 1/2 | 4,040.35 | 1/2 | 4,383.81 | 1/2 | 4,726.03 | 1/2 | 5,058.98 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,703.73 | 3/4 | 4,047.51 | 3/4 | 4,390.94 | 3/4 | 4,733.16 | 3/4 | 5,063.98 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,710.89 | 10 | 4,054.67 | 10 | 4,398.07 | 10 | 4,740.29 | 10 | 5,068.97 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,718.05 | 1/4 | 4,061.84 | 1/4 | 4,405.20 | 1/4 | 4,747.42 | 1/4 | 5,072.77 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,725.21 | 1/2 | 4,069.00 | 1/2 | 4,412.33 | 1/2 | 4,754.55 | 1/2 | 5,076.57 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,732.38 | 3/4 | 4,076.16 | 3/4 | 4,419.46 | 3/4 | 4,761.68 | 3/4 | 5,080.37 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,739.54 | 11 | 4,083.32 | 11 | 4,426.59 | 11 | 4,768.81 | 11 | 5,084.17 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,746.70 | 1/4 | 4,090.49 | 1/4 | 4,433.72 | 1/4 | 4,775.94 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,753.86 | 1/2 | 4,097.65 | 1/2 | 4,440.85 | 1/2 | 4,783.07 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,761.02 | 3/4 | 4,104.81 | 3/4 | 4,447.98 | 3/4 | 4,790.20 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
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**P.O. Box 2092**
**Pearland, Texas 77588**
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# BARGE "FMT 3310"

## 2 STBD

### INNAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 14.70 | 0 | 344.28 | 0 | 688.39 | 0 | 1,032.15 | 0 | 1,376.14 | 0 | 1,720.26 | 0 | 2,064.39 | 0 | 2,408.52 | 0 | 2,752.64 | 0 | 3,096.76 |
| 1/4 | 19.19 | 1/4 | 351.45 | 1/4 | 695.56 | 1/4 | 1,039.30 | 1/4 | 1,383.31 | 1/4 | 1,727.43 | 1/4 | 2,071.56 | 1/4 | 2,415.69 | 1/4 | 2,759.81 | 1/4 | 3,103.93 |
| 1/2 | 23.67 | 1/2 | 358.62 | 1/2 | 702.73 | 1/2 | 1,046.46 | 1/2 | 1,390.48 | 1/2 | 1,734.60 | 1/2 | 2,078.73 | 1/2 | 2,422.86 | 1/2 | 2,766.98 | 1/2 | 3,111.10 |
| 3/4 | 28.15 | 3/4 | 365.79 | 3/4 | 709.90 | 3/4 | 1,053.62 | 3/4 | 1,397.65 | 3/4 | 1,741.77 | 3/4 | 2,085.90 | 3/4 | 2,430.03 | 3/4 | 2,774.15 | 3/4 | 3,118.26 |
| 1 | 32.63 | 1 | 372.96 | 1 | 717.07 | 1 | 1,060.77 | 1 | 1,404.82 | 1 | 1,748.94 | 1 | 2,093.07 | 1 | 2,437.19 | 1 | 2,781.32 | 1 | 3,125.43 |
| 1/4 | 38.90 | 1/4 | 380.13 | 1/4 | 724.24 | 1/4 | 1,067.93 | 1/4 | 1,411.99 | 1/4 | 1,756.11 | 1/4 | 2,100.24 | 1/4 | 2,444.36 | 1/4 | 2,788.49 | 1/4 | 3,132.60 |
| 1/2 | 45.17 | 1/2 | 387.29 | 1/2 | 731.41 | 1/2 | 1,075.08 | 1/2 | 1,419.15 | 1/2 | 1,763.28 | 1/2 | 2,107.41 | 1/2 | 2,451.53 | 1/2 | 2,795.66 | 1/2 | 3,139.76 |
| 3/4 | 51.44 | 3/4 | 394.46 | 3/4 | 738.58 | 3/4 | 1,082.24 | 3/4 | 1,426.32 | 3/4 | 1,770.45 | 3/4 | 2,114.58 | 3/4 | 2,458.70 | 3/4 | 2,802.83 | 3/4 | 3,146.93 |
| 2 | 57.71 | 2 | 401.63 | 2 | 745.74 | 2 | 1,089.39 | 2 | 1,433.49 | 2 | 1,777.62 | 2 | 2,121.75 | 2 | 2,465.87 | 2 | 2,810.00 | 2 | 3,154.10 |
| 1/4 | 64.85 | 1/4 | 408.80 | 1/4 | 752.91 | 1/4 | 1,096.55 | 1/4 | 1,440.66 | 1/4 | 1,784.79 | 1/4 | 2,128.92 | 1/4 | 2,473.04 | 1/4 | 2,817.17 | 1/4 | 3,161.27 |
| 1/2 | 71.98 | 1/2 | 415.97 | 1/2 | 760.08 | 1/2 | 1,103.72 | 1/2 | 1,447.83 | 1/2 | 1,791.96 | 1/2 | 2,136.08 | 1/2 | 2,480.21 | 1/2 | 2,824.34 | 1/2 | 3,168.43 |
| 3/4 | 79.11 | 3/4 | 423.14 | 3/4 | 767.25 | 3/4 | 1,110.88 | 3/4 | 1,455.00 | 3/4 | 1,799.13 | 3/4 | 2,143.25 | 3/4 | 2,487.38 | 3/4 | 2,831.51 | 3/4 | 3,175.60 |
| 3 | 86.24 | 3 | 430.31 | 3 | 774.42 | 3 | 1,118.04 | 3 | 1,462.17 | 3 | 1,806.30 | 3 | 2,150.42 | 3 | 2,494.55 | 3 | 2,838.68 | 3 | 3,182.77 |
| 1/4 | 93.40 | 1/4 | 437.48 | 1/4 | 781.59 | 1/4 | 1,125.21 | 1/4 | 1,469.34 | 1/4 | 1,813.47 | 1/4 | 2,157.59 | 1/4 | 2,501.72 | 1/4 | 2,845.85 | 1/4 | 3,189.93 |
| 1/2 | 100.56 | 1/2 | 444.65 | 1/2 | 788.76 | 1/2 | 1,132.38 | 1/2 | 1,476.51 | 1/2 | 1,820.64 | 1/2 | 2,164.76 | 1/2 | 2,508.89 | 1/2 | 2,853.01 | 1/2 | 3,197.10 |
| 3/4 | 107.72 | 3/4 | 451.82 | 3/4 | 795.93 | 3/4 | 1,139.55 | 3/4 | 1,483.68 | 3/4 | 1,827.80 | 3/4 | 2,171.93 | 3/4 | 2,516.06 | 3/4 | 2,860.18 | 3/4 | 3,204.27 |
| 4 | 114.88 | 4 | 458.98 | 4 | 803.10 | 4 | 1,146.72 | 4 | 1,490.85 | 4 | 1,834.97 | 4 | 2,179.10 | 4 | 2,523.23 | 4 | 2,867.35 | 4 | 3,211.44 |
| 1/4 | 122.04 | 1/4 | 466.15 | 1/4 | 810.27 | 1/4 | 1,153.89 | 1/4 | 1,498.02 | 1/4 | 1,842.14 | 1/4 | 2,186.27 | 1/4 | 2,530.40 | 1/4 | 2,874.52 | 1/4 | 3,218.60 |
| 1/2 | 129.21 | 1/2 | 473.32 | 1/2 | 817.43 | 1/2 | 1,161.06 | 1/2 | 1,505.19 | 1/2 | 1,849.31 | 1/2 | 2,193.44 | 1/2 | 2,537.57 | 1/2 | 2,881.69 | 1/2 | 3,225.77 |
| 3/4 | 136.38 | 3/4 | 480.49 | 3/4 | 824.60 | 3/4 | 1,168.23 | 3/4 | 1,512.36 | 3/4 | 1,856.48 | 3/4 | 2,200.61 | 3/4 | 2,544.73 | 3/4 | 2,888.86 | 3/4 | 3,232.94 |
| 5 | 143.55 | 5 | 487.66 | 5 | 831.77 | 5 | 1,175.40 | 5 | 1,519.52 | 5 | 1,863.65 | 5 | 2,207.78 | 5 | 2,551.90 | 5 | 2,896.03 | 5 | 3,240.10 |
| 1/4 | 150.72 | 1/4 | 494.83 | 1/4 | 838.94 | 1/4 | 1,182.57 | 1/4 | 1,526.69 | 1/4 | 1,870.82 | 1/4 | 2,214.95 | 1/4 | 2,559.07 | 1/4 | 2,903.20 | 1/4 | 3,247.27 |
| 1/2 | 157.89 | 1/2 | 502.00 | 1/2 | 846.10 | 1/2 | 1,189.74 | 1/2 | 1,533.86 | 1/2 | 1,877.99 | 1/2 | 2,222.12 | 1/2 | 2,566.24 | 1/2 | 2,910.37 | 1/2 | 3,254.44 |
| 3/4 | 165.06 | 3/4 | 509.17 | 3/4 | 853.26 | 3/4 | 1,196.91 | 3/4 | 1,541.03 | 3/4 | 1,885.16 | 3/4 | 2,229.29 | 3/4 | 2,573.41 | 3/4 | 2,917.54 | 3/4 | 3,261.61 |
| 6 | 172.22 | 6 | 516.34 | 6 | 860.43 | 6 | 1,204.08 | 6 | 1,548.20 | 6 | 1,892.33 | 6 | 2,236.45 | 6 | 2,580.58 | 6 | 2,924.71 | 6 | 3,268.77 |
| 1/4 | 179.39 | 1/4 | 523.51 | 1/4 | 867.58 | 1/4 | 1,211.24 | 1/4 | 1,555.37 | 1/4 | 1,899.50 | 1/4 | 2,243.62 | 1/4 | 2,587.75 | 1/4 | 2,931.88 | 1/4 | 3,275.94 |
| 1/2 | 186.56 | 1/2 | 530.67 | 1/2 | 874.74 | 1/2 | 1,218.41 | 1/2 | 1,562.54 | 1/2 | 1,906.67 | 1/2 | 2,250.79 | 1/2 | 2,594.92 | 1/2 | 2,939.05 | 1/2 | 3,283.11 |
| 3/4 | 193.73 | 3/4 | 537.84 | 3/4 | 881.89 | 3/4 | 1,225.58 | 3/4 | 1,569.71 | 3/4 | 1,913.84 | 3/4 | 2,257.96 | 3/4 | 2,602.09 | 3/4 | 2,946.22 | 3/4 | 3,290.27 |
| 7 | 200.90 | 7 | 545.01 | 7 | 889.05 | 7 | 1,232.75 | 7 | 1,576.88 | 7 | 1,921.01 | 7 | 2,265.13 | 7 | 2,609.26 | 7 | 2,953.38 | 7 | 3,297.44 |
| 1/4 | 208.07 | 1/4 | 552.18 | 1/4 | 896.20 | 1/4 | 1,239.92 | 1/4 | 1,584.05 | 1/4 | 1,928.17 | 1/4 | 2,272.30 | 1/4 | 2,616.43 | 1/4 | 2,960.55 | 1/4 | 3,304.61 |
| 1/2 | 215.24 | 1/2 | 559.35 | 1/2 | 903.36 | 1/2 | 1,247.09 | 1/2 | 1,591.22 | 1/2 | 1,935.34 | 1/2 | 2,279.47 | 1/2 | 2,623.60 | 1/2 | 2,967.72 | 1/2 | 3,311.77 |
| 3/4 | 222.41 | 3/4 | 566.52 | 3/4 | 910.51 | 3/4 | 1,254.26 | 3/4 | 1,598.39 | 3/4 | 1,942.51 | 3/4 | 2,286.64 | 3/4 | 2,630.77 | 3/4 | 2,974.89 | 3/4 | 3,318.94 |
| 8 | 229.58 | 8 | 573.69 | 8 | 917.67 | 8 | 1,261.43 | 8 | 1,605.56 | 8 | 1,949.68 | 8 | 2,293.81 | 8 | 2,637.94 | 8 | 2,982.06 | 8 | 3,326.11 |
| 1/4 | 236.75 | 1/4 | 580.86 | 1/4 | 924.82 | 1/4 | 1,268.60 | 1/4 | 1,612.73 | 1/4 | 1,956.85 | 1/4 | 2,300.98 | 1/4 | 2,645.10 | 1/4 | 2,989.23 | 1/4 | 3,333.28 |
| 1/2 | 243.91 | 1/2 | 588.03 | 1/2 | 931.98 | 1/2 | 1,275.77 | 1/2 | 1,619.89 | 1/2 | 1,964.02 | 1/2 | 2,308.15 | 1/2 | 2,652.27 | 1/2 | 2,996.40 | 1/2 | 3,340.44 |
| 3/4 | 251.08 | 3/4 | 595.20 | 3/4 | 939.13 | 3/4 | 1,282.94 | 3/4 | 1,627.06 | 3/4 | 1,971.19 | 3/4 | 2,315.32 | 3/4 | 2,659.44 | 3/4 | 3,003.57 | 3/4 | 3,347.61 |
| 9 | 258.25 | 9 | 602.36 | 9 | 946.29 | 9 | 1,290.11 | 9 | 1,634.23 | 9 | 1,978.36 | 9 | 2,322.49 | 9 | 2,666.61 | 9 | 3,010.74 | 9 | 3,354.78 |
| 1/4 | 265.42 | 1/4 | 609.53 | 1/4 | 953.44 | 1/4 | 1,297.28 | 1/4 | 1,641.40 | 1/4 | 1,985.53 | 1/4 | 2,329.66 | 1/4 | 2,673.78 | 1/4 | 3,017.91 | 1/4 | 3,361.94 |
| 1/2 | 272.59 | 1/2 | 616.70 | 1/2 | 960.60 | 1/2 | 1,304.45 | 1/2 | 1,648.57 | 1/2 | 1,992.70 | 1/2 | 2,336.82 | 1/2 | 2,680.95 | 1/2 | 3,025.08 | 1/2 | 3,369.11 |
| 3/4 | 279.76 | 3/4 | 623.87 | 3/4 | 967.75 | 3/4 | 1,311.61 | 3/4 | 1,655.74 | 3/4 | 1,999.87 | 3/4 | 2,343.99 | 3/4 | 2,688.12 | 3/4 | 3,032.25 | 3/4 | 3,376.28 |
| 10 | 286.93 | 10 | 631.04 | 10 | 974.91 | 10 | 1,318.78 | 10 | 1,662.91 | 10 | 2,007.04 | 10 | 2,351.16 | 10 | 2,695.29 | 10 | 3,039.42 | 10 | 3,383.45 |
| 1/4 | 294.10 | 1/4 | 638.21 | 1/4 | 982.06 | 1/4 | 1,325.95 | 1/4 | 1,670.08 | 1/4 | 2,014.21 | 1/4 | 2,358.33 | 1/4 | 2,702.46 | 1/4 | 3,046.59 | 1/4 | 3,390.61 |
| 1/2 | 301.27 | 1/2 | 645.38 | 1/2 | 989.22 | 1/2 | 1,333.12 | 1/2 | 1,677.25 | 1/2 | 2,021.38 | 1/2 | 2,365.50 | 1/2 | 2,709.63 | 1/2 | 3,053.75 | 1/2 | 3,397.78 |
| 3/4 | 308.44 | 3/4 | 652.55 | 3/4 | 996.37 | 3/4 | 1,340.29 | 3/4 | 1,684.42 | 3/4 | 2,028.54 | 3/4 | 2,372.67 | 3/4 | 2,716.80 | 3/4 | 3,060.92 | 3/4 | 3,404.95 |
| 11 | 315.60 | 11 | 659.72 | 11 | 1,003.53 | 11 | 1,347.46 | 11 | 1,691.59 | 11 | 2,035.71 | 11 | 2,379.84 | 11 | 2,723.97 | 11 | 3,068.09 | 11 | 3,412.11 |
| 1/4 | 322.77 | 1/4 | 666.89 | 1/4 | 1,010.68 | 1/4 | 1,354.63 | 1/4 | 1,698.76 | 1/4 | 2,042.88 | 1/4 | 2,387.01 | 1/4 | 2,731.14 | 1/4 | 3,075.26 | 1/4 | 3,419.28 |
| 1/2 | 329.94 | 1/2 | 674.05 | 1/2 | 1,017.84 | 1/2 | 1,361.80 | 1/2 | 1,705.93 | 1/2 | 2,050.05 | 1/2 | 2,394.18 | 1/2 | 2,738.31 | 1/2 | 3,082.43 | 1/2 | 3,426.45 |
| 3/4 | 337.11 | 3/4 | 681.22 | 3/4 | 1,024.99 | 3/4 | 1,368.97 | 3/4 | 1,713.10 | 3/4 | 2,057.22 | 3/4 | 2,401.35 | 3/4 | 2,745.47 | 3/4 | 3,089.59 | 3/4 | 3,433.62 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.**
**GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 2 STBD

### INNAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 16'-05"**

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3,440.78 | 0 | 3,784.83 | 0 | 4,128.96 | 0 | 4,472.42 | 0 | 4,814.97 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,447.95 | 1/4 | 3,792.00 | 1/4 | 4,136.13 | 1/4 | 4,479.56 | 1/4 | 4,822.11 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,455.12 | 1/2 | 3,799.17 | 1/2 | 4,143.29 | 1/2 | 4,486.70 | 1/2 | 4,829.24 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,462.28 | 3/4 | 3,806.34 | 3/4 | 4,150.46 | 3/4 | 4,493.83 | 3/4 | 4,836.38 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,469.45 | 1 | 3,813.51 | 1 | 4,157.63 | 1 | 4,500.97 | 1 | 4,843.52 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,476.62 | 1/4 | 3,820.68 | 1/4 | 4,164.80 | 1/4 | 4,508.11 | 1/4 | 4,850.65 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,483.79 | 1/2 | 3,827.85 | 1/2 | 4,171.97 | 1/2 | 4,515.24 | 1/2 | 4,857.79 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,490.95 | 3/4 | 3,835.01 | 3/4 | 4,179.14 | 3/4 | 4,522.38 | 3/4 | 4,864.93 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,498.12 | 2 | 3,842.18 | 2 | 4,186.31 | 2 | 4,529.52 | 2 | 4,872.06 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,505.29 | 1/4 | 3,849.35 | 1/4 | 4,193.48 | 1/4 | 4,536.65 | 1/4 | 4,879.20 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,512.45 | 1/2 | 3,856.52 | 1/2 | 4,200.65 | 1/2 | 4,543.79 | 1/2 | 4,886.34 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,519.62 | 3/4 | 3,863.69 | 3/4 | 4,207.82 | 3/4 | 4,550.92 | 3/4 | 4,893.47 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,526.79 | 3 | 3,870.86 | 3 | 4,214.99 | 3 | 4,558.06 | 3 | 4,900.61 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,533.95 | 1/4 | 3,878.03 | 1/4 | 4,222.16 | 1/4 | 4,565.20 | 1/4 | 4,907.70 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,541.12 | 1/2 | 3,885.20 | 1/2 | 4,229.33 | 1/2 | 4,572.33 | 1/2 | 4,914.79 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,548.29 | 3/4 | 3,892.37 | 3/4 | 4,236.50 | 3/4 | 4,579.47 | 3/4 | 4,921.88 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,555.46 | 4 | 3,899.54 | 4 | 4,243.66 | 4 | 4,586.61 | 4 | 4,928.98 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,562.62 | 1/4 | 3,906.71 | 1/4 | 4,250.83 | 1/4 | 4,593.74 | 1/4 | 4,936.07 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,569.79 | 1/2 | 3,913.88 | 1/2 | 4,258.00 | 1/2 | 4,600.88 | 1/2 | 4,943.16 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,576.96 | 3/4 | 3,921.05 | 3/4 | 4,265.17 | 3/4 | 4,608.02 | 3/4 | 4,950.25 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,584.12 | 5 | 3,928.22 | 5 | 4,272.34 | 5 | 4,615.15 | 5 | 4,957.34 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,591.29 | 1/4 | 3,935.39 | 1/4 | 4,279.51 | 1/4 | 4,622.29 | 1/4 | 4,964.43 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,598.46 | 1/2 | 3,942.55 | 1/2 | 4,286.68 | 1/2 | 4,629.43 | 1/2 | 4,971.52 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,605.63 | 3/4 | 3,949.72 | 3/4 | 4,293.85 | 3/4 | 4,636.56 | 3/4 | 4,978.61 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,612.79 | 6 | 3,956.89 | 6 | 4,301.02 | 6 | 4,643.70 | 6 | 4,985.70 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,619.96 | 1/4 | 3,964.06 | 1/4 | 4,308.19 | 1/4 | 4,650.83 | 1/4 | 4,992.78 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,627.13 | 1/2 | 3,971.23 | 1/2 | 4,315.36 | 1/2 | 4,657.97 | 1/2 | 4,999.85 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,634.29 | 3/4 | 3,978.40 | 3/4 | 4,322.53 | 3/4 | 4,665.11 | 3/4 | 5,006.93 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,641.46 | 7 | 3,985.57 | 7 | 4,329.70 | 7 | 4,672.24 | 7 | 5,014.01 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,648.63 | 1/4 | 3,992.74 | 1/4 | 4,336.83 | 1/4 | 4,679.38 | 1/4 | 5,021.03 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,655.80 | 1/2 | 3,999.91 | 1/2 | 4,343.97 | 1/2 | 4,686.52 | 1/2 | 5,028.05 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,662.96 | 3/4 | 4,007.08 | 3/4 | 4,351.11 | 3/4 | 4,693.65 | 3/4 | 5,035.08 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,670.13 | 8 | 4,014.25 | 8 | 4,358.24 | 8 | 4,700.79 | 8 | 5,042.10 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,677.30 | 1/4 | 4,021.42 | 1/4 | 4,365.38 | 1/4 | 4,707.93 | 1/4 | 5,048.29 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,684.46 | 1/2 | 4,028.59 | 1/2 | 4,372.51 | 1/2 | 4,715.06 | 1/2 | 5,054.49 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,691.63 | 3/4 | 4,035.76 | 3/4 | 4,379.65 | 3/4 | 4,722.20 | 3/4 | 5,060.68 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,698.80 | 9 | 4,042.92 | 9 | 4,386.79 | 9 | 4,729.33 | 9 | 5,066.88 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,705.97 | 1/4 | 4,050.09 | 1/4 | 4,393.92 | 1/4 | 4,736.47 | 1/4 | 5,071.88 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,713.14 | 1/2 | 4,057.26 | 1/2 | 4,401.06 | 1/2 | 4,743.61 | 1/2 | 5,076.88 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,720.31 | 3/4 | 4,064.43 | 3/4 | 4,408.20 | 3/4 | 4,750.74 | 3/4 | 5,081.88 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,727.48 | 10 | 4,071.60 | 10 | 4,415.33 | 10 | 4,757.88 | 10 | 5,086.88 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,734.64 | 1/4 | 4,078.77 | 1/4 | 4,422.47 | 1/4 | 4,765.02 | 1/4 | 5,090.69 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,741.81 | 1/2 | 4,085.94 | 1/2 | 4,429.61 | 1/2 | 4,772.15 | 1/2 | 5,094.49 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,748.98 | 3/4 | 4,093.11 | 3/4 | 4,436.74 | 3/4 | 4,779.29 | 3/4 | 5,098.30 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,756.15 | 11 | 4,100.28 | 11 | 4,443.88 | 11 | 4,786.43 | 11 | 5,102.10 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,763.32 | 1/4 | 4,107.45 | 1/4 | 4,451.02 | 1/4 | 4,793.56 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,770.49 | 1/2 | 4,114.62 | 1/2 | 4,458.15 | 1/2 | 4,800.70 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,777.66 | 3/4 | 4,121.79 | 3/4 | 4,465.29 | 3/4 | 4,807.84 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
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# BARGE "FMT 3310"

## 3 PORT

### INNAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 14.63 | 0 | 342.58 | 0 | 684.48 | 0 | 1,016.73 | 0 | 1,353.92 | 0 | 1,695.71 | 0 | 2,037.50 | 0 | 2,379.30 | 0 | 2,721.06 | 0 | 3,062.98 |
| 1/4 | 19.09 | 1/4 | 349.71 | 1/4 | 691.60 | 1/4 | 1,023.54 | 1/4 | 1,361.04 | 1/4 | 1,702.83 | 1/4 | 2,044.63 | 1/4 | 2,386.42 | 1/4 | 2,728.18 | 1/4 | 3,070.09 |
| 1/2 | 23.55 | 1/2 | 356.85 | 1/2 | 698.73 | 1/2 | 1,030.35 | 1/2 | 1,368.16 | 1/2 | 1,709.95 | 1/2 | 2,051.75 | 1/2 | 2,393.54 | 1/2 | 2,735.30 | 1/2 | 3,077.21 |
| 3/4 | 28.01 | 3/4 | 363.98 | 3/4 | 705.85 | 3/4 | 1,037.17 | 3/4 | 1,375.28 | 3/4 | 1,717.07 | 3/4 | 2,058.87 | 3/4 | 2,400.66 | 3/4 | 2,742.42 | 3/4 | 3,084.32 |
| 1 | 32.47 | 1 | 371.11 | 1 | 712.97 | 1 | 1,043.98 | 1 | 1,382.40 | 1 | 1,724.19 | 1 | 2,065.99 | 1 | 2,407.78 | 1 | 2,749.54 | 1 | 3,091.44 |
| 1/4 | 38.71 | 1/4 | 378.24 | 1/4 | 720.09 | 1/4 | 1,050.79 | 1/4 | 1,389.52 | 1/4 | 1,731.31 | 1/4 | 2,073.11 | 1/4 | 2,414.90 | 1/4 | 2,756.65 | 1/4 | 3,098.55 |
| 1/2 | 44.95 | 1/2 | 385.36 | 1/2 | 727.21 | 1/2 | 1,057.60 | 1/2 | 1,396.64 | 1/2 | 1,738.44 | 1/2 | 2,080.23 | 1/2 | 2,422.02 | 1/2 | 2,763.77 | 1/2 | 3,105.67 |
| 3/4 | 51.19 | 3/4 | 392.48 | 3/4 | 734.34 | 3/4 | 1,064.41 | 3/4 | 1,403.76 | 3/4 | 1,745.56 | 3/4 | 2,087.35 | 3/4 | 2,429.14 | 3/4 | 2,770.89 | 3/4 | 3,112.79 |
| 2 | 57.43 | 2 | 399.60 | 2 | 741.46 | 2 | 1,071.22 | 2 | 1,410.88 | 2 | 1,752.68 | 2 | 2,094.47 | 2 | 2,436.26 | 2 | 2,778.01 | 2 | 3,119.90 |
| 1/4 | 64.53 | 1/4 | 406.72 | 1/4 | 748.58 | 1/4 | 1,078.04 | 1/4 | 1,418.00 | 1/4 | 1,759.80 | 1/4 | 2,101.59 | 1/4 | 2,443.38 | 1/4 | 2,785.13 | 1/4 | 3,127.00 |
| 1/2 | 71.62 | 1/2 | 413.85 | 1/2 | 755.70 | 1/2 | 1,084.86 | 1/2 | 1,425.12 | 1/2 | 1,766.92 | 1/2 | 2,108.71 | 1/2 | 2,450.51 | 1/2 | 2,792.25 | 1/2 | 3,134.10 |
| 3/4 | 78.72 | 3/4 | 420.97 | 3/4 | 762.82 | 3/4 | 1,091.68 | 3/4 | 1,432.25 | 3/4 | 1,774.04 | 3/4 | 2,115.83 | 3/4 | 2,457.63 | 3/4 | 2,799.37 | 3/4 | 3,141.20 |
| 3 | 85.82 | 3 | 428.09 | 3 | 769.95 | 3 | 1,098.50 | 3 | 1,439.37 | 3 | 1,781.16 | 3 | 2,122.95 | 3 | 2,464.75 | 3 | 2,806.49 | 3 | 3,148.30 |
| 1/4 | 92.94 | 1/4 | 435.21 | 1/4 | 777.07 | 1/4 | 1,105.39 | 1/4 | 1,446.49 | 1/4 | 1,788.28 | 1/4 | 2,130.07 | 1/4 | 2,471.87 | 1/4 | 2,813.61 | 1/4 | 3,155.39 |
| 1/2 | 100.06 | 1/2 | 442.33 | 1/2 | 784.19 | 1/2 | 1,112.28 | 1/2 | 1,453.61 | 1/2 | 1,795.40 | 1/2 | 2,137.19 | 1/2 | 2,478.99 | 1/2 | 2,820.73 | 1/2 | 3,162.49 |
| 3/4 | 107.19 | 3/4 | 449.46 | 3/4 | 791.31 | 3/4 | 1,119.17 | 3/4 | 1,460.73 | 3/4 | 1,802.52 | 3/4 | 2,144.32 | 3/4 | 2,486.11 | 3/4 | 2,827.85 | 3/4 | 3,169.59 |
| 4 | 114.31 | 4 | 456.58 | 4 | 798.43 | 4 | 1,126.06 | 4 | 1,467.85 | 4 | 1,809.64 | 4 | 2,151.44 | 4 | 2,493.23 | 4 | 2,834.97 | 4 | 3,176.69 |
| 1/4 | 121.44 | 1/4 | 463.70 | 1/4 | 805.32 | 1/4 | 1,133.18 | 1/4 | 1,474.97 | 1/4 | 1,816.76 | 1/4 | 2,158.56 | 1/4 | 2,500.35 | 1/4 | 2,842.09 | 1/4 | 3,183.79 |
| 1/2 | 128.57 | 1/2 | 470.82 | 1/2 | 812.21 | 1/2 | 1,140.30 | 1/2 | 1,482.09 | 1/2 | 1,823.88 | 1/2 | 2,165.68 | 1/2 | 2,507.47 | 1/2 | 2,849.21 | 1/2 | 3,190.89 |
| 3/4 | 135.71 | 3/4 | 477.94 | 3/4 | 819.10 | 3/4 | 1,147.42 | 3/4 | 1,489.21 | 3/4 | 1,831.00 | 3/4 | 2,172.80 | 3/4 | 2,514.59 | 3/4 | 2,856.33 | 3/4 | 3,197.98 |
| 5 | 142.84 | 5 | 485.07 | 5 | 825.99 | 5 | 1,154.54 | 5 | 1,496.33 | 5 | 1,838.13 | 5 | 2,179.92 | 5 | 2,521.71 | 5 | 2,863.45 | 5 | 3,205.08 |
| 1/4 | 149.97 | 1/4 | 492.19 | 1/4 | 832.81 | 1/4 | 1,161.66 | 1/4 | 1,503.45 | 1/4 | 1,845.25 | 1/4 | 2,187.04 | 1/4 | 2,528.83 | 1/4 | 2,870.57 | 1/4 | 3,212.18 |
| 1/2 | 157.11 | 1/2 | 499.31 | 1/2 | 839.63 | 1/2 | 1,168.78 | 1/2 | 1,510.57 | 1/2 | 1,852.37 | 1/2 | 2,194.16 | 1/2 | 2,535.95 | 1/2 | 2,877.69 | 1/2 | 3,219.28 |
| 3/4 | 164.24 | 3/4 | 506.43 | 3/4 | 846.45 | 3/4 | 1,175.90 | 3/4 | 1,517.69 | 3/4 | 1,859.49 | 3/4 | 2,201.28 | 3/4 | 2,543.07 | 3/4 | 2,884.81 | 3/4 | 3,226.38 |
| 6 | 171.37 | 6 | 513.55 | 6 | 853.27 | 6 | 1,183.02 | 6 | 1,524.81 | 6 | 1,866.61 | 6 | 2,208.40 | 6 | 2,550.19 | 6 | 2,891.93 | 6 | 3,233.48 |
| 1/4 | 178.51 | 1/4 | 520.68 | 1/4 | 860.08 | 1/4 | 1,190.14 | 1/4 | 1,531.93 | 1/4 | 1,873.73 | 1/4 | 2,215.52 | 1/4 | 2,557.31 | 1/4 | 2,899.05 | 1/4 | 3,240.58 |
| 1/2 | 185.64 | 1/2 | 527.80 | 1/2 | 866.89 | 1/2 | 1,197.26 | 1/2 | 1,539.06 | 1/2 | 1,880.85 | 1/2 | 2,222.64 | 1/2 | 2,564.43 | 1/2 | 2,906.17 | 1/2 | 3,247.67 |
| 3/4 | 192.77 | 3/4 | 534.92 | 3/4 | 873.70 | 3/4 | 1,204.38 | 3/4 | 1,546.18 | 3/4 | 1,887.97 | 3/4 | 2,229.76 | 3/4 | 2,571.55 | 3/4 | 2,913.29 | 3/4 | 3,254.77 |
| 7 | 199.91 | 7 | 542.04 | 7 | 880.51 | 7 | 1,211.50 | 7 | 1,553.30 | 7 | 1,895.09 | 7 | 2,236.88 | 7 | 2,578.66 | 7 | 2,920.41 | 7 | 3,261.87 |
| 1/4 | 207.04 | 1/4 | 549.16 | 1/4 | 887.32 | 1/4 | 1,218.62 | 1/4 | 1,560.42 | 1/4 | 1,902.21 | 1/4 | 2,244.00 | 1/4 | 2,585.78 | 1/4 | 2,927.54 | 1/4 | 3,268.97 |
| 1/2 | 214.18 | 1/2 | 556.29 | 1/2 | 894.13 | 1/2 | 1,225.74 | 1/2 | 1,567.54 | 1/2 | 1,909.33 | 1/2 | 2,251.13 | 1/2 | 2,592.90 | 1/2 | 2,934.67 | 1/2 | 3,276.07 |
| 3/4 | 221.31 | 3/4 | 563.41 | 3/4 | 900.94 | 3/4 | 1,232.87 | 3/4 | 1,574.66 | 3/4 | 1,916.45 | 3/4 | 2,258.25 | 3/4 | 2,600.02 | 3/4 | 2,941.80 | 3/4 | 3,283.17 |
| 8 | 228.44 | 8 | 570.53 | 8 | 907.76 | 8 | 1,239.99 | 8 | 1,581.78 | 8 | 1,923.57 | 8 | 2,265.37 | 8 | 2,607.14 | 8 | 2,948.93 | 8 | 3,290.27 |
| 1/4 | 235.58 | 1/4 | 577.65 | 1/4 | 914.57 | 1/4 | 1,247.11 | 1/4 | 1,588.90 | 1/4 | 1,930.69 | 1/4 | 2,272.49 | 1/4 | 2,614.26 | 1/4 | 2,956.06 | 1/4 | 3,297.37 |
| 1/2 | 242.71 | 1/2 | 584.77 | 1/2 | 921.38 | 1/2 | 1,254.23 | 1/2 | 1,596.02 | 1/2 | 1,937.81 | 1/2 | 2,279.61 | 1/2 | 2,621.38 | 1/2 | 2,963.20 | 1/2 | 3,304.47 |
| 3/4 | 249.84 | 3/4 | 591.90 | 3/4 | 928.19 | 3/4 | 1,261.35 | 3/4 | 1,603.14 | 3/4 | 1,944.94 | 3/4 | 2,286.73 | 3/4 | 2,628.50 | 3/4 | 2,970.33 | 3/4 | 3,311.57 |
| 9 | 256.98 | 9 | 599.02 | 9 | 935.00 | 9 | 1,268.47 | 9 | 1,610.26 | 9 | 1,952.06 | 9 | 2,293.85 | 9 | 2,635.62 | 9 | 2,977.46 | 9 | 3,318.67 |
| 1/4 | 264.11 | 1/4 | 606.14 | 1/4 | 941.81 | 1/4 | 1,275.59 | 1/4 | 1,617.38 | 1/4 | 1,959.18 | 1/4 | 2,300.97 | 1/4 | 2,642.74 | 1/4 | 2,984.59 | 1/4 | 3,325.77 |
| 1/2 | 271.24 | 1/2 | 613.26 | 1/2 | 948.62 | 1/2 | 1,282.71 | 1/2 | 1,624.50 | 1/2 | 1,966.30 | 1/2 | 2,308.09 | 1/2 | 2,649.86 | 1/2 | 2,991.72 | 1/2 | 3,332.87 |
| 3/4 | 278.38 | 3/4 | 620.38 | 3/4 | 955.43 | 3/4 | 1,289.83 | 3/4 | 1,631.62 | 3/4 | 1,973.42 | 3/4 | 2,315.21 | 3/4 | 2,656.98 | 3/4 | 2,998.85 | 3/4 | 3,339.97 |
| 10 | 285.51 | 10 | 627.51 | 10 | 962.24 | 10 | 1,296.95 | 10 | 1,638.75 | 10 | 1,980.54 | 10 | 2,322.33 | 10 | 2,664.10 | 10 | 3,005.99 | 10 | 3,347.07 |
| 1/4 | 292.64 | 1/4 | 634.63 | 1/4 | 969.05 | 1/4 | 1,304.07 | 1/4 | 1,645.87 | 1/4 | 1,987.66 | 1/4 | 2,329.45 | 1/4 | 2,671.22 | 1/4 | 3,013.12 | 1/4 | 3,351.41 |
| 1/2 | 299.78 | 1/2 | 641.75 | 1/2 | 975.87 | 1/2 | 1,311.19 | 1/2 | 1,652.99 | 1/2 | 1,994.78 | 1/2 | 2,336.57 | 1/2 | 2,678.34 | 1/2 | 3,020.25 | 1/2 | 3,355.74 |
| 3/4 | 306.91 | 3/4 | 648.87 | 3/4 | 982.68 | 3/4 | 1,318.31 | 3/4 | 1,660.11 | 3/4 | 2,001.90 | 3/4 | 2,343.69 | 3/4 | 2,685.46 | 3/4 | 3,027.38 | 3/4 | 3,360.08 |
| 11 | 314.05 | 11 | 655.99 | 11 | 989.49 | 11 | 1,325.43 | 11 | 1,667.23 | 11 | 2,009.02 | 11 | 2,350.82 | 11 | 2,692.58 | 11 | 3,034.51 | 11 | 3,364.42 |
| 1/4 | 321.18 | 1/4 | 663.12 | 1/4 | 996.30 | 1/4 | 1,332.56 | 1/4 | 1,674.35 | 1/4 | 2,016.14 | 1/4 | 2,357.94 | 1/4 | 2,699.70 | 1/4 | 3,041.63 | 1/4 | 3,368.76 |
| 1/2 | 328.31 | 1/2 | 670.24 | 1/2 | 1,003.11 | 1/2 | 1,339.68 | 1/2 | 1,681.47 | 1/2 | 2,023.26 | 1/2 | 2,365.06 | 1/2 | 2,706.82 | 1/2 | 3,048.74 | 1/2 | 3,373.10 |
| 3/4 | 335.45 | 3/4 | 677.36 | 3/4 | 1,009.92 | 3/4 | 1,346.80 | 3/4 | 1,688.59 | 3/4 | 2,030.38 | 3/4 | 2,372.18 | 3/4 | 2,713.94 | 3/4 | 3,055.86 | 3/4 | 3,377.43 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.**
**GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 3 PORT

### INNAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 16'-04 3/4"**

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3,381.77 | 0 | 3,591.05 | 0 | 3,800.90 | 0 | 4,010.37 | 0 | 4,219.31 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,386.13 | 1/4 | 3,595.43 | 1/4 | 3,805.28 | 1/4 | 4,014.73 | 1/4 | 4,223.66 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,390.48 | 1/2 | 3,599.80 | 1/2 | 3,809.65 | 1/2 | 4,019.08 | 1/2 | 4,228.01 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,394.84 | 3/4 | 3,604.17 | 3/4 | 3,814.02 | 3/4 | 4,023.43 | 3/4 | 4,232.37 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,399.20 | 1 | 3,608.54 | 1 | 3,818.39 | 1 | 4,027.79 | 1 | 4,236.72 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,403.55 | 1/4 | 3,612.91 | 1/4 | 3,822.76 | 1/4 | 4,032.14 | 1/4 | 4,241.07 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,407.91 | 1/2 | 3,617.28 | 1/2 | 3,827.14 | 1/2 | 4,036.49 | 1/2 | 4,245.43 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,412.26 | 3/4 | 3,621.66 | 3/4 | 3,831.51 | 3/4 | 4,040.84 | 3/4 | 4,249.78 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,416.62 | 2 | 3,626.03 | 2 | 3,835.88 | 2 | 4,045.20 | 2 | 4,254.13 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,420.98 | 1/4 | 3,630.40 | 1/4 | 3,840.25 | 1/4 | 4,049.55 | 1/4 | 4,258.48 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,425.33 | 1/2 | 3,634.77 | 1/2 | 3,844.62 | 1/2 | 4,053.90 | 1/2 | 4,262.84 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,429.69 | 3/4 | 3,639.14 | 3/4 | 3,849.00 | 3/4 | 4,058.25 | 3/4 | 4,267.19 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,434.04 | 3 | 3,643.52 | 3 | 3,853.37 | 3 | 4,062.61 | 3 | 4,271.54 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,438.40 | 1/4 | 3,647.89 | 1/4 | 3,857.74 | 1/4 | 4,066.96 | 1/4 | 4,275.87 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,442.76 | 1/2 | 3,652.26 | 1/2 | 3,862.11 | 1/2 | 4,071.31 | 1/2 | 4,280.19 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,447.11 | 3/4 | 3,656.63 | 3/4 | 3,866.48 | 3/4 | 4,075.67 | 3/4 | 4,284.52 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,451.47 | 4 | 3,661.00 | 4 | 3,870.86 | 4 | 4,080.02 | 4 | 4,288.84 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,455.82 | 1/4 | 3,665.38 | 1/4 | 3,875.23 | 1/4 | 4,084.37 | 1/4 | 4,293.17 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,460.18 | 1/2 | 3,669.75 | 1/2 | 3,879.60 | 1/2 | 4,088.72 | 1/2 | 4,297.49 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,464.54 | 3/4 | 3,674.12 | 3/4 | 3,883.97 | 3/4 | 4,093.08 | 3/4 | 4,301.82 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,468.89 | 5 | 3,678.49 | 5 | 3,888.34 | 5 | 4,097.43 | 5 | 4,306.15 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,473.25 | 1/4 | 3,682.86 | 1/4 | 3,892.71 | 1/4 | 4,101.78 | 1/4 | 4,310.47 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,477.61 | 1/2 | 3,687.24 | 1/2 | 3,897.09 | 1/2 | 4,106.14 | 1/2 | 4,314.79 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,481.96 | 3/4 | 3,691.61 | 3/4 | 3,901.46 | 3/4 | 4,110.49 | 3/4 | 4,319.11 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,486.32 | 6 | 3,695.98 | 6 | 3,905.83 | 6 | 4,114.84 | 6 | 4,323.43 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,490.67 | 1/4 | 3,700.35 | 1/4 | 3,910.20 | 1/4 | 4,119.19 | 1/4 | 4,327.74 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,495.03 | 1/2 | 3,704.72 | 1/2 | 3,914.57 | 1/2 | 4,123.55 | 1/2 | 4,332.06 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,499.39 | 3/4 | 3,709.09 | 3/4 | 3,918.95 | 3/4 | 4,127.90 | 3/4 | 4,336.37 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,503.74 | 7 | 3,713.47 | 7 | 3,923.32 | 7 | 4,132.25 | 7 | 4,340.68 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,508.10 | 1/4 | 3,717.84 | 1/4 | 3,927.67 | 1/4 | 4,136.61 | 1/4 | 4,344.93 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,512.45 | 1/2 | 3,722.21 | 1/2 | 3,932.02 | 1/2 | 4,140.96 | 1/2 | 4,349.19 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,516.81 | 3/4 | 3,726.58 | 3/4 | 3,936.38 | 3/4 | 4,145.31 | 3/4 | 4,353.45 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,521.17 | 8 | 3,730.95 | 8 | 3,940.73 | 8 | 4,149.66 | 8 | 4,357.70 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,525.52 | 1/4 | 3,735.33 | 1/4 | 3,945.08 | 1/4 | 4,154.02 | 1/4 | 4,361.14 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,529.88 | 1/2 | 3,739.70 | 1/2 | 3,949.43 | 1/2 | 4,158.37 | 1/2 | 4,364.57 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,534.23 | 3/4 | 3,744.07 | 3/4 | 3,953.79 | 3/4 | 4,162.72 | 3/4 | 4,368.00 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,538.59 | 9 | 3,748.44 | 9 | 3,958.14 | 9 | 4,167.07 | 9 | 4,371.44 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,542.96 | 1/4 | 3,752.81 | 1/4 | 3,962.49 | 1/4 | 4,171.43 | 1/4 | 4,373.68 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,547.33 | 1/2 | 3,757.19 | 1/2 | 3,966.85 | 1/2 | 4,175.78 | 1/2 | 4,375.93 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,551.71 | 3/4 | 3,761.56 | 3/4 | 3,971.20 | 3/4 | 4,180.13 | 3/4 | 4,378.17 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,556.08 | 10 | 3,765.93 | 10 | 3,975.55 | 10 | 4,184.49 | 10 | 4,380.42 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,560.45 | 1/4 | 3,770.30 | 1/4 | 3,979.90 | 1/4 | 4,188.84 | 1/4 | 4,382.12 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,564.82 | 1/2 | 3,774.67 | 1/2 | 3,984.26 | 1/2 | 4,193.19 | 1/2 | 4,383.83 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,569.19 | 3/4 | 3,779.05 | 3/4 | 3,988.61 | 3/4 | 4,197.54 | 3/4 | 4,385.54 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,573.57 | 11 | 3,783.42 | 11 | 3,992.96 | 11 | 4,201.90 | 11 | 4,387.25 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,577.94 | 1/4 | 3,787.79 | 1/4 | 3,997.32 | 1/4 | 4,206.25 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,582.31 | 1/2 | 3,792.16 | 1/2 | 4,001.67 | 1/2 | 4,210.60 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,586.68 | 3/4 | 3,796.53 | 3/4 | 4,006.02 | 3/4 | 4,214.96 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
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# BARGE "FMT 3310"

## 3 STBD

### INNAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 14.59 | 0 | 341.55 | 0 | 682.94 | 0 | 1,023.96 | 0 | 1,365.22 | 0 | 1,706.61 | 0 | 2,048.00 | 0 | 2,389.39 | 0 | 2,730.52 | 0 | 3,071.04 |
| 1/4 | 19.03 | 1/4 | 348.66 | 1/4 | 690.05 | 1/4 | 1,031.06 | 1/4 | 1,372.33 | 1/4 | 1,713.72 | 1/4 | 2,055.11 | 1/4 | 2,396.50 | 1/4 | 2,737.61 | 1/4 | 3,078.13 |
| 1/2 | 23.48 | 1/2 | 355.78 | 1/2 | 697.16 | 1/2 | 1,038.16 | 1/2 | 1,379.44 | 1/2 | 1,720.83 | 1/2 | 2,062.22 | 1/2 | 2,403.61 | 1/2 | 2,744.71 | 1/2 | 3,085.23 |
| 3/4 | 27.92 | 3/4 | 362.89 | 3/4 | 704.27 | 3/4 | 1,045.26 | 3/4 | 1,386.55 | 3/4 | 1,727.94 | 3/4 | 2,069.33 | 3/4 | 2,410.72 | 3/4 | 2,751.80 | 3/4 | 3,092.32 |
| 1 | 32.37 | 1 | 370.00 | 1 | 711.39 | 1 | 1,052.35 | 1 | 1,393.67 | 1 | 1,735.06 | 1 | 2,076.45 | 1 | 2,417.84 | 1 | 2,758.90 | 1 | 3,099.42 |
| 1/4 | 38.59 | 1/4 | 377.11 | 1/4 | 718.50 | 1/4 | 1,059.45 | 1/4 | 1,400.78 | 1/4 | 1,742.17 | 1/4 | 2,083.56 | 1/4 | 2,424.95 | 1/4 | 2,765.99 | 1/4 | 3,106.51 |
| 1/2 | 44.81 | 1/2 | 384.22 | 1/2 | 725.61 | 1/2 | 1,066.55 | 1/2 | 1,407.89 | 1/2 | 1,749.28 | 1/2 | 2,090.67 | 1/2 | 2,432.06 | 1/2 | 2,773.08 | 1/2 | 3,113.61 |
| 3/4 | 51.03 | 3/4 | 391.34 | 3/4 | 732.72 | 3/4 | 1,073.65 | 3/4 | 1,415.00 | 3/4 | 1,756.39 | 3/4 | 2,097.78 | 3/4 | 2,439.17 | 3/4 | 2,780.18 | 3/4 | 3,120.70 |
| 2 | 57.26 | 2 | 398.45 | 2 | 739.83 | 2 | 1,080.75 | 2 | 1,422.11 | 2 | 1,763.51 | 2 | 2,104.90 | 2 | 2,446.29 | 2 | 2,787.27 | 2 | 3,127.79 |
| 1/4 | 64.33 | 1/4 | 405.56 | 1/4 | 746.95 | 1/4 | 1,087.85 | 1/4 | 1,429.23 | 1/4 | 1,770.62 | 1/4 | 2,112.01 | 1/4 | 2,453.40 | 1/4 | 2,794.37 | 1/4 | 3,134.87 |
| 1/2 | 71.41 | 1/2 | 412.67 | 1/2 | 754.06 | 1/2 | 1,094.96 | 1/2 | 1,436.34 | 1/2 | 1,777.73 | 1/2 | 2,119.12 | 1/2 | 2,460.51 | 1/2 | 2,801.46 | 1/2 | 3,141.95 |
| 3/4 | 78.48 | 3/4 | 419.79 | 3/4 | 761.17 | 3/4 | 1,102.07 | 3/4 | 1,443.45 | 3/4 | 1,784.84 | 3/4 | 2,126.23 | 3/4 | 2,467.62 | 3/4 | 2,808.55 | 3/4 | 3,149.02 |
| 3 | 85.56 | 3 | 426.90 | 3 | 768.28 | 3 | 1,109.17 | 3 | 1,450.56 | 3 | 1,791.95 | 3 | 2,133.34 | 3 | 2,474.74 | 3 | 2,815.65 | 3 | 3,156.10 |
| 1/4 | 92.66 | 1/4 | 434.01 | 1/4 | 775.40 | 1/4 | 1,116.29 | 1/4 | 1,457.68 | 1/4 | 1,799.07 | 1/4 | 2,140.46 | 1/4 | 2,481.85 | 1/4 | 2,822.74 | 1/4 | 3,163.18 |
| 1/2 | 99.76 | 1/2 | 441.12 | 1/2 | 782.51 | 1/2 | 1,123.40 | 1/2 | 1,464.79 | 1/2 | 1,806.18 | 1/2 | 2,147.57 | 1/2 | 2,488.96 | 1/2 | 2,829.84 | 1/2 | 3,170.26 |
| 3/4 | 106.87 | 3/4 | 448.23 | 3/4 | 789.62 | 3/4 | 1,130.51 | 3/4 | 1,471.90 | 3/4 | 1,813.29 | 3/4 | 2,154.68 | 3/4 | 2,496.07 | 3/4 | 2,836.93 | 3/4 | 3,177.33 |
| 4 | 113.97 | 4 | 455.35 | 4 | 796.73 | 4 | 1,137.62 | 4 | 1,479.01 | 4 | 1,820.40 | 4 | 2,161.79 | 4 | 2,503.18 | 4 | 2,844.03 | 4 | 3,184.41 |
| 1/4 | 121.08 | 1/4 | 462.46 | 1/4 | 803.84 | 1/4 | 1,144.74 | 1/4 | 1,486.13 | 1/4 | 1,827.52 | 1/4 | 2,168.91 | 1/4 | 2,510.30 | 1/4 | 2,851.12 | 1/4 | 3,191.49 |
| 1/2 | 128.19 | 1/2 | 469.57 | 1/2 | 810.96 | 1/2 | 1,151.85 | 1/2 | 1,493.24 | 1/2 | 1,834.63 | 1/2 | 2,176.02 | 1/2 | 2,517.41 | 1/2 | 2,858.21 | 1/2 | 3,198.56 |
| 3/4 | 135.30 | 3/4 | 476.68 | 3/4 | 818.07 | 3/4 | 1,158.96 | 3/4 | 1,500.35 | 3/4 | 1,841.74 | 3/4 | 2,183.13 | 3/4 | 2,524.53 | 3/4 | 2,865.31 | 3/4 | 3,205.64 |
| 5 | 142.41 | 5 | 483.80 | 5 | 825.18 | 5 | 1,166.07 | 5 | 1,507.46 | 5 | 1,848.85 | 5 | 2,190.24 | 5 | 2,531.64 | 5 | 2,872.40 | 5 | 3,212.72 |
| 1/4 | 149.52 | 1/4 | 490.91 | 1/4 | 832.29 | 1/4 | 1,173.18 | 1/4 | 1,514.57 | 1/4 | 1,855.97 | 1/4 | 2,197.36 | 1/4 | 2,538.76 | 1/4 | 2,879.50 | 1/4 | 3,219.79 |
| 1/2 | 156.63 | 1/2 | 498.02 | 1/2 | 839.39 | 1/2 | 1,180.30 | 1/2 | 1,521.69 | 1/2 | 1,863.08 | 1/2 | 2,204.47 | 1/2 | 2,545.87 | 1/2 | 2,886.59 | 1/2 | 3,226.87 |
| 3/4 | 163.75 | 3/4 | 505.13 | 3/4 | 846.50 | 3/4 | 1,187.41 | 3/4 | 1,528.80 | 3/4 | 1,870.19 | 3/4 | 2,211.58 | 3/4 | 2,552.98 | 3/4 | 2,893.69 | 3/4 | 3,233.95 |
| 6 | 170.86 | 6 | 512.24 | 6 | 853.60 | 6 | 1,194.52 | 6 | 1,535.91 | 6 | 1,877.30 | 6 | 2,218.69 | 6 | 2,560.10 | 6 | 2,900.78 | 6 | 3,241.02 |
| 1/4 | 177.97 | 1/4 | 519.36 | 1/4 | 860.70 | 1/4 | 1,201.63 | 1/4 | 1,543.02 | 1/4 | 1,884.41 | 1/4 | 2,225.80 | 1/4 | 2,567.21 | 1/4 | 2,907.87 | 1/4 | 3,248.10 |
| 1/2 | 185.08 | 1/2 | 526.47 | 1/2 | 867.80 | 1/2 | 1,208.75 | 1/2 | 1,550.14 | 1/2 | 1,891.53 | 1/2 | 2,232.92 | 1/2 | 2,574.33 | 1/2 | 2,914.97 | 1/2 | 3,255.18 |
| 3/4 | 192.19 | 3/4 | 533.58 | 3/4 | 874.90 | 3/4 | 1,215.86 | 3/4 | 1,557.25 | 3/4 | 1,898.64 | 3/4 | 2,240.03 | 3/4 | 2,581.44 | 3/4 | 2,922.06 | 3/4 | 3,262.25 |
| 7 | 199.31 | 7 | 540.69 | 7 | 881.99 | 7 | 1,222.97 | 7 | 1,564.36 | 7 | 1,905.75 | 7 | 2,247.14 | 7 | 2,588.55 | 7 | 2,929.16 | 7 | 3,269.33 |
| 1/4 | 206.42 | 1/4 | 547.80 | 1/4 | 889.09 | 1/4 | 1,230.08 | 1/4 | 1,571.47 | 1/4 | 1,912.86 | 1/4 | 2,254.25 | 1/4 | 2,595.67 | 1/4 | 2,936.25 | 1/4 | 3,276.41 |
| 1/2 | 213.53 | 1/2 | 554.92 | 1/2 | 896.19 | 1/2 | 1,237.19 | 1/2 | 1,578.59 | 1/2 | 1,919.98 | 1/2 | 2,261.37 | 1/2 | 2,602.78 | 1/2 | 2,943.34 | 1/2 | 3,283.49 |
| 3/4 | 220.64 | 3/4 | 562.03 | 3/4 | 903.29 | 3/4 | 1,244.31 | 3/4 | 1,585.70 | 3/4 | 1,927.09 | 3/4 | 2,268.48 | 3/4 | 2,609.90 | 3/4 | 2,950.44 | 3/4 | 3,290.56 |
| 8 | 227.76 | 8 | 569.14 | 8 | 910.39 | 8 | 1,251.42 | 8 | 1,592.81 | 8 | 1,934.20 | 8 | 2,275.59 | 8 | 2,617.01 | 8 | 2,957.53 | 8 | 3,297.64 |
| 1/4 | 234.87 | 1/4 | 576.25 | 1/4 | 917.49 | 1/4 | 1,258.53 | 1/4 | 1,599.92 | 1/4 | 1,941.31 | 1/4 | 2,282.70 | 1/4 | 2,624.11 | 1/4 | 2,964.63 | 1/4 | 3,304.72 |
| 1/2 | 241.98 | 1/2 | 583.37 | 1/2 | 924.58 | 1/2 | 1,265.64 | 1/2 | 1,607.03 | 1/2 | 1,948.42 | 1/2 | 2,289.82 | 1/2 | 2,631.20 | 1/2 | 2,971.72 | 1/2 | 3,311.79 |
| 3/4 | 249.09 | 3/4 | 590.48 | 3/4 | 931.68 | 3/4 | 1,272.76 | 3/4 | 1,614.15 | 3/4 | 1,955.54 | 3/4 | 2,296.93 | 3/4 | 2,638.29 | 3/4 | 2,978.82 | 3/4 | 3,318.87 |
| 9 | 256.20 | 9 | 597.59 | 9 | 938.78 | 9 | 1,279.87 | 9 | 1,621.26 | 9 | 1,962.65 | 9 | 2,304.04 | 9 | 2,645.39 | 9 | 2,985.91 | 9 | 3,325.95 |
| 1/4 | 263.32 | 1/4 | 604.70 | 1/4 | 945.88 | 1/4 | 1,286.98 | 1/4 | 1,628.37 | 1/4 | 1,969.76 | 1/4 | 2,311.15 | 1/4 | 2,652.48 | 1/4 | 2,993.00 | 1/4 | 3,333.02 |
| 1/2 | 270.43 | 1/2 | 611.81 | 1/2 | 952.98 | 1/2 | 1,294.09 | 1/2 | 1,635.48 | 1/2 | 1,976.87 | 1/2 | 2,318.26 | 1/2 | 2,659.58 | 1/2 | 3,000.10 | 1/2 | 3,340.10 |
| 3/4 | 277.54 | 3/4 | 618.93 | 3/4 | 960.08 | 3/4 | 1,301.21 | 3/4 | 1,642.60 | 3/4 | 1,983.99 | 3/4 | 2,325.38 | 3/4 | 2,666.67 | 3/4 | 3,007.19 | 3/4 | 3,347.18 |
| 10 | 284.65 | 10 | 626.04 | 10 | 967.17 | 10 | 1,308.32 | 10 | 1,649.71 | 10 | 1,991.10 | 10 | 2,332.49 | 10 | 2,673.77 | 10 | 3,014.29 | 10 | 3,354.25 |
| 1/4 | 291.77 | 1/4 | 633.15 | 1/4 | 974.27 | 1/4 | 1,315.43 | 1/4 | 1,656.82 | 1/4 | 1,998.21 | 1/4 | 2,339.60 | 1/4 | 2,680.86 | 1/4 | 3,021.38 | 1/4 | 3,358.58 |
| 1/2 | 298.88 | 1/2 | 640.26 | 1/2 | 981.37 | 1/2 | 1,322.54 | 1/2 | 1,663.93 | 1/2 | 2,005.32 | 1/2 | 2,346.71 | 1/2 | 2,687.95 | 1/2 | 3,028.48 | 1/2 | 3,362.91 |
| 3/4 | 305.99 | 3/4 | 647.38 | 3/4 | 988.47 | 3/4 | 1,329.65 | 3/4 | 1,671.05 | 3/4 | 2,012.44 | 3/4 | 2,353.83 | 3/4 | 2,695.05 | 3/4 | 3,035.57 | 3/4 | 3,367.23 |
| 11 | 313.10 | 11 | 654.49 | 11 | 995.57 | 11 | 1,336.77 | 11 | 1,678.16 | 11 | 2,019.55 | 11 | 2,360.94 | 11 | 2,702.14 | 11 | 3,042.66 | 11 | 3,371.56 |
| 1/4 | 320.21 | 1/4 | 661.60 | 1/4 | 1,002.67 | 1/4 | 1,343.88 | 1/4 | 1,685.27 | 1/4 | 2,026.66 | 1/4 | 2,368.05 | 1/4 | 2,709.24 | 1/4 | 3,049.76 | 1/4 | 3,375.89 |
| 1/2 | 327.33 | 1/2 | 668.71 | 1/2 | 1,009.76 | 1/2 | 1,350.99 | 1/2 | 1,692.38 | 1/2 | 2,033.77 | 1/2 | 2,375.16 | 1/2 | 2,716.33 | 1/2 | 3,056.85 | 1/2 | 3,380.21 |
| 3/4 | 334.44 | 3/4 | 675.82 | 3/4 | 1,016.86 | 3/4 | 1,358.10 | 3/4 | 1,699.49 | 3/4 | 2,040.88 | 3/4 | 2,382.28 | 3/4 | 2,723.42 | 3/4 | 3,063.95 | 3/4 | 3,384.54 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.**
**GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 3 STBD

### INNAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3,388.87 | 0 | 3,598.24 | 0 | 3,807.61 | 0 | 4,016.60 | 0 | 4,225.07 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,393.23 | 1/4 | 3,602.60 | 1/4 | 3,811.97 | 1/4 | 4,020.95 | 1/4 | 4,229.41 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,397.59 | 1/2 | 3,606.96 | 1/2 | 3,816.33 | 1/2 | 4,025.29 | 1/2 | 4,233.75 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,401.95 | 3/4 | 3,611.32 | 3/4 | 3,820.69 | 3/4 | 4,029.63 | 3/4 | 4,238.10 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,406.31 | 1 | 3,615.69 | 1 | 3,825.06 | 1 | 4,033.97 | 1 | 4,242.44 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,410.68 | 1/4 | 3,620.05 | 1/4 | 3,829.42 | 1/4 | 4,038.32 | 1/4 | 4,246.78 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,415.04 | 1/2 | 3,624.41 | 1/2 | 3,833.78 | 1/2 | 4,042.66 | 1/2 | 4,251.12 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,419.40 | 3/4 | 3,628.77 | 3/4 | 3,838.14 | 3/4 | 4,047.00 | 3/4 | 4,255.47 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,423.76 | 2 | 3,633.13 | 2 | 3,842.50 | 2 | 4,051.35 | 2 | 4,259.81 | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,428.12 | 1/4 | 3,637.49 | 1/4 | 3,846.87 | 1/4 | 4,055.69 | 1/4 | 4,264.15 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,432.49 | 1/2 | 3,641.86 | 1/2 | 3,851.23 | 1/2 | 4,060.03 | 1/2 | 4,268.50 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,436.85 | 3/4 | 3,646.22 | 3/4 | 3,855.59 | 3/4 | 4,064.38 | 3/4 | 4,272.84 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,441.21 | 3 | 3,650.58 | 3 | 3,859.95 | 3 | 4,068.72 | 3 | 4,277.18 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,445.57 | 1/4 | 3,654.94 | 1/4 | 3,864.31 | 1/4 | 4,073.06 | 1/4 | 4,281.50 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,449.93 | 1/2 | 3,659.30 | 1/2 | 3,868.68 | 1/2 | 4,077.40 | 1/2 | 4,285.81 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,454.30 | 3/4 | 3,663.67 | 3/4 | 3,873.04 | 3/4 | 4,081.75 | 3/4 | 4,290.13 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,458.66 | 4 | 3,668.03 | 4 | 3,877.40 | 4 | 4,086.09 | 4 | 4,294.44 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,463.02 | 1/4 | 3,672.39 | 1/4 | 3,881.76 | 1/4 | 4,090.43 | 1/4 | 4,298.76 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,467.38 | 1/2 | 3,676.75 | 1/2 | 3,886.12 | 1/2 | 4,094.78 | 1/2 | 4,303.07 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,471.74 | 3/4 | 3,681.11 | 3/4 | 3,890.49 | 3/4 | 4,099.12 | 3/4 | 4,307.39 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,476.10 | 5 | 3,685.48 | 5 | 3,894.85 | 5 | 4,103.46 | 5 | 4,311.70 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,480.47 | 1/4 | 3,689.84 | 1/4 | 3,899.21 | 1/4 | 4,107.81 | 1/4 | 4,316.01 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,484.83 | 1/2 | 3,694.20 | 1/2 | 3,903.57 | 1/2 | 4,112.15 | 1/2 | 4,320.32 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,489.19 | 3/4 | 3,698.56 | 3/4 | 3,907.93 | 3/4 | 4,116.49 | 3/4 | 4,324.64 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,493.55 | 6 | 3,702.92 | 6 | 3,912.29 | 6 | 4,120.83 | 6 | 4,328.95 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,497.91 | 1/4 | 3,707.29 | 1/4 | 3,916.66 | 1/4 | 4,125.18 | 1/4 | 4,333.25 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,502.28 | 1/2 | 3,711.65 | 1/2 | 3,921.02 | 1/2 | 4,129.52 | 1/2 | 4,337.55 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,506.64 | 3/4 | 3,716.01 | 3/4 | 3,925.38 | 3/4 | 4,133.86 | 3/4 | 4,341.85 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,511.00 | 7 | 3,720.37 | 7 | 3,929.74 | 7 | 4,138.21 | 7 | 4,346.15 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,515.36 | 1/4 | 3,724.73 | 1/4 | 3,934.09 | 1/4 | 4,142.55 | 1/4 | 4,350.40 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,519.72 | 1/2 | 3,729.09 | 1/2 | 3,938.43 | 1/2 | 4,146.89 | 1/2 | 4,354.65 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,524.09 | 3/4 | 3,733.46 | 3/4 | 3,942.77 | 3/4 | 4,151.24 | 3/4 | 4,358.89 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,528.45 | 8 | 3,737.82 | 8 | 3,947.11 | 8 | 4,155.58 | 8 | 4,363.14 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,532.81 | 1/4 | 3,742.18 | 1/4 | 3,951.46 | 1/4 | 4,159.92 | 1/4 | 4,366.57 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,537.17 | 1/2 | 3,746.54 | 1/2 | 3,955.80 | 1/2 | 4,164.26 | 1/2 | 4,369.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,541.53 | 3/4 | 3,750.90 | 3/4 | 3,960.14 | 3/4 | 4,168.61 | 3/4 | 4,373.42 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,545.90 | 9 | 3,755.27 | 9 | 3,964.49 | 9 | 4,172.95 | 9 | 4,376.85 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,550.26 | 1/4 | 3,759.63 | 1/4 | 3,968.83 | 1/4 | 4,177.29 | 1/4 | 4,379.09 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,554.62 | 1/2 | 3,763.99 | 1/2 | 3,973.17 | 1/2 | 4,181.64 | 1/2 | 4,381.33 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,558.98 | 3/4 | 3,768.35 | 3/4 | 3,977.52 | 3/4 | 4,185.98 | 3/4 | 4,383.57 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,563.34 | 10 | 3,772.71 | 10 | 3,981.86 | 10 | 4,190.32 | 10 | 4,385.81 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,567.70 | 1/4 | 3,777.08 | 1/4 | 3,986.20 | 1/4 | 4,194.67 | 1/4 | 4,387.52 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,572.07 | 1/2 | 3,781.44 | 1/2 | 3,990.54 | 1/2 | 4,199.01 | 1/2 | 4,389.22 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,576.43 | 3/4 | 3,785.80 | 3/4 | 3,994.89 | 3/4 | 4,203.35 | 3/4 | 4,390.92 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,580.79 | 11 | 3,790.16 | 11 | 3,999.23 | 11 | 4,207.69 | 11 | 4,392.63 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,585.15 | 1/4 | 3,794.52 | 1/4 | 4,003.57 | 1/4 | 4,212.04 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,589.51 | 1/2 | 3,798.89 | 1/2 | 4,007.92 | 1/2 | 4,216.38 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,593.88 | 3/4 | 3,803.25 | 3/4 | 4,012.26 | 3/4 | 4,220.72 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## ULLAGE (HERMETIC)

| | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BOW | STERN | BOW | STERN | BOW | STERN | BOW | STERN | BOW | STERN | BOW | STERN |
| 1 PORT | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 |
| 1 STBD | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 |
| 2 PORT | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 |
| 2 STBD | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 |
| 3 PORT | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 |
| 3 STBD | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-0/8 | 00-0/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

| | | | |
|---|---|---|---|
| FWD. DRAFT | = | 2'-00" | |
| AFT DRAFT | = | 6'-00" | |
| DIFF. | = | 4'-00" | (DOWN BY STERN) |

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

July 15, 2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net

# BARGE "FMT 3310"

## 1 PORT

### ULLAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 16'-05 1/4"**

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | 0 | | 0 | 4,888.02 | 0 | 4,546.84 | 0 | 4,205.03 | 0 | 3,861.89 | 0 | 3,518.77 | 0 | 3,175.72 | 0 | 2,832.63 | 0 | 2,489.48 |
| 1/4 | | 1/4 | | 1/4 | 4,880.95 | 1/4 | 4,539.73 | 1/4 | 4,197.88 | 1/4 | 3,854.74 | 1/4 | 3,511.63 | 1/4 | 3,168.57 | 1/4 | 2,825.48 | 1/4 | 2,482.33 |
| 1/2 | | 1/2 | | 1/2 | 4,873.88 | 1/2 | 4,532.61 | 1/2 | 4,190.73 | 1/2 | 3,847.59 | 1/2 | 3,504.48 | 1/2 | 3,161.42 | 1/2 | 2,818.33 | 1/2 | 2,475.18 |
| 3/4 | | 3/4 | | 3/4 | 4,866.80 | 3/4 | 4,525.49 | 3/4 | 4,183.59 | 3/4 | 3,840.44 | 3/4 | 3,497.33 | 3/4 | 3,154.28 | 3/4 | 2,811.18 | 3/4 | 2,468.03 |
| 1 | | 1 | | 1 | 4,859.73 | 1 | 4,518.38 | 1 | 4,176.44 | 1 | 3,833.29 | 1 | 3,490.19 | 1 | 3,147.13 | 1 | 2,804.03 | 1 | 2,460.89 |
| 1/4 | | 1/4 | | 1/4 | 4,852.66 | 1/4 | 4,511.26 | 1/4 | 4,169.29 | 1/4 | 3,826.15 | 1/4 | 3,483.04 | 1/4 | 3,139.98 | 1/4 | 2,796.89 | 1/4 | 2,453.74 |
| 1/2 | | 1/2 | | 1/2 | 4,845.59 | 1/2 | 4,504.14 | 1/2 | 4,162.14 | 1/2 | 3,819.00 | 1/2 | 3,475.89 | 1/2 | 3,132.84 | 1/2 | 2,789.74 | 1/2 | 2,446.59 |
| 3/4 | | 3/4 | | 3/4 | 4,838.52 | 3/4 | 4,497.03 | 3/4 | 4,154.99 | 3/4 | 3,811.85 | 3/4 | 3,468.75 | 3/4 | 3,125.69 | 3/4 | 2,782.59 | 3/4 | 2,439.44 |
| 2 | | 2 | | 2 | 4,831.45 | 2 | 4,489.91 | 2 | 4,147.84 | 2 | 3,804.70 | 2 | 3,461.60 | 2 | 3,118.54 | 2 | 2,775.44 | 2 | 2,432.29 |
| 1/4 | | 1/4 | | 1/4 | 4,824.38 | 1/4 | 4,482.80 | 1/4 | 4,140.69 | 1/4 | 3,797.55 | 1/4 | 3,454.45 | 1/4 | 3,111.40 | 1/4 | 2,768.29 | 1/4 | 2,425.14 |
| 1/2 | | 1/2 | | 1/2 | 4,817.26 | 1/2 | 4,475.68 | 1/2 | 4,133.54 | 1/2 | 3,790.40 | 1/2 | 3,447.30 | 1/2 | 3,104.25 | 1/2 | 2,761.14 | 1/2 | 2,417.99 |
| 3/4 | | 3/4 | | 3/4 | 4,810.15 | 3/4 | 4,468.56 | 3/4 | 4,126.40 | 3/4 | 3,783.25 | 3/4 | 3,440.16 | 3/4 | 3,097.10 | 3/4 | 2,753.99 | 3/4 | 2,410.84 |
| 3 | | 3 | | 3 | 4,803.03 | 3 | 4,461.45 | 3 | 4,119.25 | 3 | 3,776.10 | 3 | 3,433.01 | 3 | 3,089.95 | 3 | 2,746.85 | 3 | 2,403.69 |
| 1/4 | | 1/4 | | 1/4 | 4,795.91 | 1/4 | 4,454.33 | 1/4 | 4,112.10 | 1/4 | 3,768.96 | 1/4 | 3,425.86 | 1/4 | 3,082.81 | 1/4 | 2,739.70 | 1/4 | 2,396.54 |
| 1/2 | | 1/2 | | 1/2 | 4,788.80 | 1/2 | 4,447.21 | 1/2 | 4,104.95 | 1/2 | 3,761.81 | 1/2 | 3,418.72 | 1/2 | 3,075.66 | 1/2 | 2,732.55 | 1/2 | 2,389.39 |
| 3/4 | | 3/4 | | 3/4 | 4,781.68 | 3/4 | 4,440.10 | 3/4 | 4,097.80 | 3/4 | 3,754.66 | 3/4 | 3,411.57 | 3/4 | 3,068.51 | 3/4 | 2,725.40 | 3/4 | 2,382.24 |
| 4 | | 4 | | 4 | 4,774.56 | 4 | 4,432.98 | 4 | 4,090.65 | 4 | 3,747.51 | 4 | 3,404.42 | 4 | 3,061.37 | 4 | 2,718.25 | 4 | 2,375.09 |
| 1/4 | | 1/4 | | 1/4 | 4,767.45 | 1/4 | 4,425.86 | 1/4 | 4,083.50 | 1/4 | 3,740.36 | 1/4 | 3,397.28 | 1/4 | 3,054.22 | 1/4 | 2,711.10 | 1/4 | 2,367.94 |
| 1/2 | | 1/2 | | 1/2 | 4,760.33 | 1/2 | 4,418.75 | 1/2 | 4,076.35 | 1/2 | 3,733.21 | 1/2 | 3,390.13 | 1/2 | 3,047.07 | 1/2 | 2,703.95 | 1/2 | 2,360.79 |
| 3/4 | | 3/4 | | 3/4 | 4,753.21 | 3/4 | 4,411.63 | 3/4 | 4,069.20 | 3/4 | 3,726.06 | 3/4 | 3,382.98 | 3/4 | 3,039.93 | 3/4 | 2,696.81 | 3/4 | 2,353.64 |
| 5 | | 5 | | 5 | 4,746.10 | 5 | 4,404.52 | 5 | 4,062.06 | 5 | 3,718.91 | 5 | 3,375.83 | 5 | 3,032.78 | 5 | 2,689.66 | 5 | 2,346.49 |
| 1/4 | | 1/4 | | 1/4 | 4,738.98 | 1/4 | 4,397.40 | 1/4 | 4,054.91 | 1/4 | 3,711.76 | 1/4 | 3,368.69 | 1/4 | 3,025.63 | 1/4 | 2,682.51 | 1/4 | 2,339.35 |
| 1/2 | | 1/2 | | 1/2 | 4,731.87 | 1/2 | 4,390.28 | 1/2 | 4,047.76 | 1/2 | 3,704.62 | 1/2 | 3,361.54 | 1/2 | 3,018.48 | 1/2 | 2,675.36 | 1/2 | 2,332.20 |
| 3/4 | | 3/4 | | 3/4 | 4,724.75 | 3/4 | 4,383.17 | 3/4 | 4,040.61 | 3/4 | 3,697.47 | 3/4 | 3,354.39 | 3/4 | 3,011.34 | 3/4 | 2,668.21 | 3/4 | 2,325.05 |
| 6 | | 6 | | 6 | 4,717.63 | 6 | 4,376.05 | 6 | 4,033.46 | 6 | 3,690.32 | 6 | 3,347.25 | 6 | 3,004.19 | 6 | 2,661.06 | 6 | 2,317.90 |
| 1/4 | | 1/4 | 5,025.30 | 1/4 | 4,710.52 | 1/4 | 4,368.93 | 1/4 | 4,026.31 | 1/4 | 3,683.17 | 1/4 | 3,340.10 | 1/4 | 2,997.04 | 1/4 | 2,653.92 | 1/4 | 2,310.75 |
| 1/2 | | 1/2 | 5,021.51 | 1/2 | 4,703.40 | 1/2 | 4,361.82 | 1/2 | 4,019.16 | 1/2 | 3,676.02 | 1/2 | 3,332.95 | 1/2 | 2,989.89 | 1/2 | 2,646.77 | 1/2 | 2,303.60 |
| 3/4 | | 3/4 | 5,017.71 | 3/4 | 4,696.28 | 3/4 | 4,354.70 | 3/4 | 4,012.01 | 3/4 | 3,668.87 | 3/4 | 3,325.81 | 3/4 | 2,982.75 | 3/4 | 2,639.62 | 3/4 | 2,296.45 |
| 7 | | 7 | 5,013.92 | 7 | 4,689.17 | 7 | 4,347.59 | 7 | 4,004.87 | 7 | 3,661.72 | 7 | 3,318.66 | 7 | 2,975.60 | 7 | 2,632.47 | 7 | 2,289.30 |
| 1/4 | | 1/4 | 5,010.12 | 1/4 | 4,682.05 | 1/4 | 4,340.47 | 1/4 | 3,997.72 | 1/4 | 3,654.57 | 1/4 | 3,311.51 | 1/4 | 2,968.45 | 1/4 | 2,625.32 | 1/4 | 2,282.15 |
| 1/2 | | 1/2 | 5,005.14 | 1/2 | 4,674.94 | 1/2 | 4,333.35 | 1/2 | 3,990.57 | 1/2 | 3,647.43 | 1/2 | 3,304.36 | 1/2 | 2,961.30 | 1/2 | 2,618.17 | 1/2 | 2,275.00 |
| 3/4 | | 3/4 | 5,000.15 | 3/4 | 4,667.82 | 3/4 | 4,326.24 | 3/4 | 3,983.42 | 3/4 | 3,640.28 | 3/4 | 3,297.22 | 3/4 | 2,954.15 | 3/4 | 2,611.02 | 3/4 | 2,267.85 |
| 8 | | 8 | 4,995.16 | 8 | 4,660.70 | 8 | 4,319.12 | 8 | 3,976.27 | 8 | 3,633.13 | 8 | 3,290.07 | 8 | 2,947.00 | 8 | 2,603.87 | 8 | 2,260.70 |
| 1/4 | | 1/4 | 4,990.18 | 1/4 | 4,653.59 | 1/4 | 4,312.00 | 1/4 | 3,969.12 | 1/4 | 3,625.98 | 1/4 | 3,282.92 | 1/4 | 2,939.86 | 1/4 | 2,596.72 | 1/4 | 2,253.55 |
| 1/2 | | 1/2 | 4,984.00 | 1/2 | 4,646.47 | 1/2 | 4,304.89 | 1/2 | 3,961.97 | 1/2 | 3,618.83 | 1/2 | 3,275.78 | 1/2 | 2,932.71 | 1/2 | 2,589.57 | 1/2 | 2,246.40 |
| 3/4 | | 3/4 | 4,977.82 | 3/4 | 4,639.35 | 3/4 | 4,297.77 | 3/4 | 3,954.82 | 3/4 | 3,611.69 | 3/4 | 3,268.63 | 3/4 | 2,925.56 | 3/4 | 2,582.42 | 3/4 | 2,239.25 |
| 9 | | 9 | 4,971.65 | 9 | 4,632.24 | 9 | 4,290.66 | 9 | 3,947.68 | 9 | 3,604.54 | 9 | 3,261.48 | 9 | 2,918.41 | 9 | 2,575.28 | 9 | 2,232.10 |
| 1/4 | | 1/4 | 4,965.47 | 1/4 | 4,625.12 | 1/4 | 4,283.54 | 1/4 | 3,940.53 | 1/4 | 3,597.39 | 1/4 | 3,254.34 | 1/4 | 2,911.26 | 1/4 | 2,568.13 | 1/4 | 2,224.95 |
| 1/2 | | 1/2 | 4,958.47 | 1/2 | 4,618.00 | 1/2 | 4,276.42 | 1/2 | 3,933.38 | 1/2 | 3,590.24 | 1/2 | 3,247.19 | 1/2 | 2,904.11 | 1/2 | 2,560.98 | 1/2 | 2,217.81 |
| 3/4 | | 3/4 | 4,951.46 | 3/4 | 4,610.89 | 3/4 | 4,269.31 | 3/4 | 3,926.23 | 3/4 | 3,583.10 | 3/4 | 3,240.04 | 3/4 | 2,896.96 | 3/4 | 2,553.83 | 3/4 | 2,210.66 |
| 10 | | 10 | 4,944.46 | 10 | 4,603.77 | 10 | 4,262.19 | 10 | 3,919.08 | 10 | 3,575.95 | 10 | 3,232.89 | 10 | 2,889.82 | 10 | 2,546.68 | 10 | 2,203.51 |
| 1/4 | | 1/4 | 4,937.46 | 1/4 | 4,596.66 | 1/4 | 4,255.07 | 1/4 | 3,911.93 | 1/4 | 3,568.80 | 1/4 | 3,225.75 | 1/4 | 2,882.67 | 1/4 | 2,539.53 | 1/4 | 2,196.36 |
| 1/2 | | 1/2 | 4,930.40 | 1/2 | 4,589.54 | 1/2 | 4,247.92 | 1/2 | 3,904.78 | 1/2 | 3,561.66 | 1/2 | 3,218.60 | 1/2 | 2,875.52 | 1/2 | 2,532.38 | 1/2 | 2,189.21 |
| 3/4 | | 3/4 | 4,923.34 | 3/4 | 4,582.42 | 3/4 | 4,240.78 | 3/4 | 3,897.63 | 3/4 | 3,554.51 | 3/4 | 3,211.45 | 3/4 | 2,868.37 | 3/4 | 2,525.23 | 3/4 | 2,182.06 |
| 11 | | 11 | 4,916.29 | 11 | 4,575.31 | 11 | 4,233.63 | 11 | 3,890.48 | 11 | 3,547.36 | 11 | 3,204.31 | 11 | 2,861.22 | 11 | 2,518.08 | 11 | 2,174.91 |
| 1/4 | | 1/4 | 4,909.23 | 1/4 | 4,568.19 | 1/4 | 4,226.48 | 1/4 | 3,883.34 | 1/4 | 3,540.22 | 1/4 | 3,197.16 | 1/4 | 2,854.07 | 1/4 | 2,510.93 | 1/4 | 2,167.76 |
| 1/2 | | 1/2 | 4,902.16 | 1/2 | 4,561.07 | 1/2 | 4,219.33 | 1/2 | 3,876.19 | 1/2 | 3,533.07 | 1/2 | 3,190.01 | 1/2 | 2,846.92 | 1/2 | 2,503.78 | 1/2 | 2,160.61 |
| 3/4 | | 3/4 | 4,895.09 | 3/4 | 4,553.96 | 3/4 | 4,212.18 | 3/4 | 3,869.04 | 3/4 | 3,525.92 | 3/4 | 3,182.87 | 3/4 | 2,839.78 | 3/4 | 2,496.63 | 3/4 | 2,153.46 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.**
**GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 1 PORT

### ULLAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,146.31 | 0 | 1,803.14 | 0 | 1,459.97 | 0 | 1,116.80 | 0 | 776.07 | 0 | 433.68 | 0 | 121.60 | 0 | | 0 | | 0 | |
| 1/4 | 2,139.16 | 1/4 | 1,795.99 | 1/4 | 1,452.82 | 1/4 | 1,109.65 | 1/4 | 768.97 | 1/4 | 426.66 | 1/4 | 115.58 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,132.01 | 1/2 | 1,788.84 | 1/2 | 1,445.67 | 1/2 | 1,102.50 | 1/2 | 761.86 | 1/2 | 419.72 | 1/2 | 109.64 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,124.86 | 3/4 | 1,781.69 | 3/4 | 1,438.52 | 3/4 | 1,095.35 | 3/4 | 754.74 | 3/4 | 412.78 | 3/4 | 103.71 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,117.71 | 1 | 1,774.54 | 1 | 1,431.37 | 1 | 1,088.20 | 1 | 747.63 | 1 | 405.84 | 1 | 97.77 | 1 | | 1 | | 1 | |
| 1/4 | 2,110.56 | 1/4 | 1,767.39 | 1/4 | 1,424.22 | 1/4 | 1,081.05 | 1/4 | 740.51 | 1/4 | 398.90 | 1/4 | 91.83 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,103.42 | 1/2 | 1,760.24 | 1/2 | 1,417.07 | 1/2 | 1,073.94 | 1/2 | 733.37 | 1/2 | 392.05 | 1/2 | 85.99 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,096.27 | 3/4 | 1,753.09 | 3/4 | 1,409.92 | 3/4 | 1,066.82 | 3/4 | 726.22 | 3/4 | 385.19 | 3/4 | 80.15 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,089.12 | 2 | 1,745.95 | 2 | 1,402.77 | 2 | 1,059.71 | 2 | 719.07 | 2 | 378.33 | 2 | 74.30 | 2 | | 2 | | 2 | |
| 1/4 | 2,081.97 | 1/4 | 1,738.80 | 1/4 | 1,395.62 | 1/4 | 1,052.59 | 1/4 | 711.92 | 1/4 | 371.47 | 1/4 | 68.46 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,074.82 | 1/2 | 1,731.65 | 1/2 | 1,388.48 | 1/2 | 1,045.49 | 1/2 | 704.77 | 1/2 | 364.70 | 1/2 | 62.72 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,067.67 | 3/4 | 1,724.50 | 3/4 | 1,381.33 | 3/4 | 1,038.40 | 3/4 | 697.62 | 3/4 | 357.93 | 3/4 | 56.99 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,060.52 | 3 | 1,717.35 | 3 | 1,374.18 | 3 | 1,031.30 | 3 | 690.47 | 3 | 351.15 | 3 | 51.26 | 3 | | 3 | | 3 | |
| 1/4 | 2,053.37 | 1/4 | 1,710.20 | 1/4 | 1,367.03 | 1/4 | 1,024.20 | 1/4 | 683.32 | 1/4 | 344.38 | 1/4 | 45.52 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,046.22 | 1/2 | 1,703.05 | 1/2 | 1,359.88 | 1/2 | 1,017.11 | 1/2 | 676.17 | 1/2 | 337.69 | 1/2 | 40.73 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,039.07 | 3/4 | 1,695.90 | 3/4 | 1,352.73 | 3/4 | 1,010.02 | 3/4 | 669.02 | 3/4 | 331.00 | 3/4 | 35.94 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,031.92 | 4 | 1,688.75 | 4 | 1,345.58 | 4 | 1,002.94 | 4 | 661.87 | 4 | 324.31 | 4 | 31.14 | 4 | | 4 | | 4 | |
| 1/4 | 2,024.77 | 1/4 | 1,681.60 | 1/4 | 1,338.43 | 1/4 | 995.85 | 1/4 | 654.73 | 1/4 | 317.62 | 1/4 | 26.35 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,017.62 | 1/2 | 1,674.45 | 1/2 | 1,331.28 | 1/2 | 988.76 | 1/2 | 647.58 | 1/2 | 311.02 | 1/2 | 23.43 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,010.47 | 3/4 | 1,667.30 | 3/4 | 1,324.13 | 3/4 | 981.67 | 3/4 | 640.43 | 3/4 | 304.41 | 3/4 | 20.51 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,003.32 | 5 | 1,660.15 | 5 | 1,316.98 | 5 | 974.58 | 5 | 633.28 | 5 | 297.80 | 5 | 17.58 | 5 | | 5 | | 5 | |
| 1/4 | 1,996.17 | 1/4 | 1,653.00 | 1/4 | 1,309.83 | 1/4 | 967.49 | 1/4 | 626.13 | 1/4 | 291.20 | 1/4 | 14.66 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,989.02 | 1/2 | 1,645.85 | 1/2 | 1,302.68 | 1/2 | 960.40 | 1/2 | 618.98 | 1/2 | 284.67 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,981.88 | 3/4 | 1,638.70 | 3/4 | 1,295.53 | 3/4 | 953.31 | 3/4 | 611.83 | 3/4 | 278.15 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,974.73 | 6 | 1,631.55 | 6 | 1,288.38 | 6 | 946.22 | 6 | 604.68 | 6 | 271.63 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,967.58 | 1/4 | 1,624.41 | 1/4 | 1,281.23 | 1/4 | 939.14 | 1/4 | 597.53 | 1/4 | 265.11 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,960.43 | 1/2 | 1,617.26 | 1/2 | 1,274.08 | 1/2 | 932.05 | 1/2 | 590.38 | 1/2 | 258.67 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,953.28 | 3/4 | 1,610.11 | 3/4 | 1,266.94 | 3/4 | 924.96 | 3/4 | 583.23 | 3/4 | 252.23 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,946.13 | 7 | 1,602.96 | 7 | 1,259.79 | 7 | 917.87 | 7 | 576.09 | 7 | 245.79 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,938.98 | 1/4 | 1,595.81 | 1/4 | 1,252.64 | 1/4 | 910.78 | 1/4 | 568.94 | 1/4 | 239.35 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,931.83 | 1/2 | 1,588.66 | 1/2 | 1,245.49 | 1/2 | 903.69 | 1/2 | 561.79 | 1/2 | 232.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,924.68 | 3/4 | 1,581.51 | 3/4 | 1,238.34 | 3/4 | 896.60 | 3/4 | 554.64 | 3/4 | 226.64 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,917.53 | 8 | 1,574.36 | 8 | 1,231.19 | 8 | 889.51 | 8 | 547.49 | 8 | 220.28 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,910.38 | 1/4 | 1,567.21 | 1/4 | 1,224.04 | 1/4 | 882.43 | 1/4 | 540.34 | 1/4 | 213.93 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,903.23 | 1/2 | 1,560.06 | 1/2 | 1,216.89 | 1/2 | 875.34 | 1/2 | 533.19 | 1/2 | 207.66 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,896.08 | 3/4 | 1,552.91 | 3/4 | 1,209.74 | 3/4 | 868.25 | 3/4 | 526.04 | 3/4 | 201.38 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,888.93 | 9 | 1,545.76 | 9 | 1,202.59 | 9 | 861.16 | 9 | 518.89 | 9 | 195.11 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,881.78 | 1/4 | 1,538.61 | 1/4 | 1,195.44 | 1/4 | 854.07 | 1/4 | 511.74 | 1/4 | 188.84 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,874.63 | 1/2 | 1,531.46 | 1/2 | 1,188.29 | 1/2 | 846.98 | 1/2 | 504.59 | 1/2 | 182.65 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,867.48 | 3/4 | 1,524.31 | 3/4 | 1,181.14 | 3/4 | 839.89 | 3/4 | 497.45 | 3/4 | 176.46 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,860.34 | 10 | 1,517.16 | 10 | 1,173.99 | 10 | 832.80 | 10 | 490.30 | 10 | 170.27 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,853.19 | 1/4 | 1,510.01 | 1/4 | 1,166.84 | 1/4 | 825.72 | 1/4 | 483.15 | 1/4 | 164.09 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,846.04 | 1/2 | 1,502.87 | 1/2 | 1,159.69 | 1/2 | 818.63 | 1/2 | 476.04 | 1/2 | 157.98 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,838.89 | 3/4 | 1,495.72 | 3/4 | 1,152.54 | 3/4 | 811.54 | 3/4 | 468.94 | 3/4 | 151.88 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,831.74 | 11 | 1,488.57 | 11 | 1,145.40 | 11 | 804.45 | 11 | 461.84 | 11 | 145.77 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,824.59 | 1/4 | 1,481.42 | 1/4 | 1,138.25 | 1/4 | 797.36 | 1/4 | 454.74 | 1/4 | 139.67 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,817.44 | 1/2 | 1,474.27 | 1/2 | 1,131.10 | 1/2 | 790.26 | 1/2 | 447.72 | 1/2 | 133.64 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,810.29 | 3/4 | 1,467.12 | 3/4 | 1,123.95 | 3/4 | 783.17 | 3/4 | 440.70 | 3/4 | 127.62 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
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# BARGE "FMT 3310"

## 1 STBD

### ULLAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | 0 | | 0 | 4,870.57 | 0 | 4,529.70 | 0 | 4,188.23 | 0 | 3,845.48 | 0 | 3,502.76 | 0 | 3,160.10 | 0 | 2,817.40 | 0 | 2,474.64 |
| 1/4 | | 1/4 | | 1/4 | 4,863.51 | 1/4 | 4,522.60 | 1/4 | 4,181.09 | 1/4 | 3,838.34 | 1/4 | 3,495.62 | 1/4 | 3,152.96 | 1/4 | 2,810.26 | 1/4 | 2,467.50 |
| 1/2 | | 1/2 | | 1/2 | 4,856.45 | 1/2 | 4,515.49 | 1/2 | 4,173.94 | 1/2 | 3,831.20 | 1/2 | 3,488.48 | 1/2 | 3,145.83 | 1/2 | 2,803.12 | 1/2 | 2,460.36 |
| 3/4 | | 3/4 | | 3/4 | 4,849.38 | 3/4 | 4,508.38 | 3/4 | 4,166.80 | 3/4 | 3,824.06 | 3/4 | 3,481.34 | 3/4 | 3,138.69 | 3/4 | 2,795.98 | 3/4 | 2,453.22 |
| 1 | | 1 | | 1 | 4,842.32 | 1 | 4,501.27 | 1 | 4,159.66 | 1 | 3,816.91 | 1 | 3,474.21 | 1 | 3,131.55 | 1 | 2,788.84 | 1 | 2,446.08 |
| 1/4 | | 1/4 | | 1/4 | 4,835.26 | 1/4 | 4,494.16 | 1/4 | 4,152.52 | 1/4 | 3,809.77 | 1/4 | 3,467.07 | 1/4 | 3,124.41 | 1/4 | 2,781.70 | 1/4 | 2,438.94 |
| 1/2 | | 1/2 | | 1/2 | 4,828.19 | 1/2 | 4,487.06 | 1/2 | 4,145.38 | 1/2 | 3,802.63 | 1/2 | 3,459.93 | 1/2 | 3,117.27 | 1/2 | 2,774.56 | 1/2 | 2,431.80 |
| 3/4 | | 3/4 | | 3/4 | 4,821.13 | 3/4 | 4,479.95 | 3/4 | 4,138.24 | 3/4 | 3,795.49 | 3/4 | 3,452.79 | 3/4 | 3,110.13 | 3/4 | 2,767.42 | 3/4 | 2,424.66 |
| 2 | | 2 | | 2 | 4,814.02 | 2 | 4,472.84 | 2 | 4,131.10 | 2 | 3,788.35 | 2 | 3,445.65 | 2 | 3,102.99 | 2 | 2,760.28 | 2 | 2,417.52 |
| 1/4 | | 1/4 | | 1/4 | 4,806.92 | 1/4 | 4,465.73 | 1/4 | 4,123.96 | 1/4 | 3,781.21 | 1/4 | 3,438.51 | 1/4 | 3,095.85 | 1/4 | 2,753.14 | 1/4 | 2,410.37 |
| 1/2 | | 1/2 | | 1/2 | 4,799.81 | 1/2 | 4,458.62 | 1/2 | 4,116.82 | 1/2 | 3,774.07 | 1/2 | 3,431.37 | 1/2 | 3,088.72 | 1/2 | 2,746.00 | 1/2 | 2,403.23 |
| 3/4 | | 3/4 | | 3/4 | 4,792.70 | 3/4 | 4,451.52 | 3/4 | 4,109.68 | 3/4 | 3,766.93 | 3/4 | 3,424.24 | 3/4 | 3,081.58 | 3/4 | 2,738.86 | 3/4 | 2,396.09 |
| 3 | | 3 | | 3 | 4,785.59 | 3 | 4,444.41 | 3 | 4,102.54 | 3 | 3,759.79 | 3 | 3,417.10 | 3 | 3,074.44 | 3 | 2,731.71 | 3 | 2,388.95 |
| 1/4 | | 1/4 | | 1/4 | 4,778.48 | 1/4 | 4,437.30 | 1/4 | 4,095.40 | 1/4 | 3,752.65 | 1/4 | 3,409.96 | 1/4 | 3,067.30 | 1/4 | 2,724.57 | 1/4 | 2,381.81 |
| 1/2 | | 1/2 | | 1/2 | 4,771.38 | 1/2 | 4,430.19 | 1/2 | 4,088.26 | 1/2 | 3,745.51 | 1/2 | 3,402.82 | 1/2 | 3,060.16 | 1/2 | 2,717.43 | 1/2 | 2,374.67 |
| 3/4 | | 3/4 | | 3/4 | 4,764.27 | 3/4 | 4,423.08 | 3/4 | 4,081.12 | 3/4 | 3,738.37 | 3/4 | 3,395.68 | 3/4 | 3,053.02 | 3/4 | 2,710.29 | 3/4 | 2,367.53 |
| 4 | | 4 | | 4 | 4,757.16 | 4 | 4,415.98 | 4 | 4,073.98 | 4 | 3,731.23 | 4 | 3,388.54 | 4 | 3,045.88 | 4 | 2,703.15 | 4 | 2,360.39 |
| 1/4 | | 1/4 | | 1/4 | 4,750.05 | 1/4 | 4,408.87 | 1/4 | 4,066.84 | 1/4 | 3,724.09 | 1/4 | 3,381.40 | 1/4 | 3,038.75 | 1/4 | 2,696.01 | 1/4 | 2,353.25 |
| 1/2 | | 1/2 | | 1/2 | 4,742.94 | 1/2 | 4,401.76 | 1/2 | 4,059.70 | 1/2 | 3,716.95 | 1/2 | 3,374.26 | 1/2 | 3,031.61 | 1/2 | 2,688.87 | 1/2 | 2,346.10 |
| 3/4 | | 3/4 | | 3/4 | 4,735.84 | 3/4 | 4,394.65 | 3/4 | 4,052.55 | 3/4 | 3,709.81 | 3/4 | 3,367.13 | 3/4 | 3,024.47 | 3/4 | 2,681.73 | 3/4 | 2,338.96 |
| 5 | | 5 | | 5 | 4,728.73 | 5 | 4,387.54 | 5 | 4,045.41 | 5 | 3,702.67 | 5 | 3,359.99 | 5 | 3,017.33 | 5 | 2,674.59 | 5 | 2,331.82 |
| 1/4 | | 1/4 | | 1/4 | 4,721.62 | 1/4 | 4,380.44 | 1/4 | 4,038.27 | 1/4 | 3,695.52 | 1/4 | 3,352.85 | 1/4 | 3,010.19 | 1/4 | 2,667.45 | 1/4 | 2,324.68 |
| 1/2 | | 1/2 | | 1/2 | 4,714.51 | 1/2 | 4,373.33 | 1/2 | 4,031.13 | 1/2 | 3,688.38 | 1/2 | 3,345.71 | 1/2 | 3,003.05 | 1/2 | 2,660.31 | 1/2 | 2,317.54 |
| 3/4 | | 3/4 | 5,021.82 | 3/4 | 4,707.40 | 3/4 | 4,366.22 | 3/4 | 4,023.99 | 3/4 | 3,681.24 | 3/4 | 3,338.57 | 3/4 | 2,995.91 | 3/4 | 2,653.17 | 3/4 | 2,310.40 |
| 6 | | 6 | 5,018.03 | 6 | 4,700.30 | 6 | 4,359.11 | 6 | 4,016.85 | 6 | 3,674.10 | 6 | 3,331.43 | 6 | 2,988.77 | 6 | 2,646.03 | 6 | 2,303.26 |
| 1/4 | | 1/4 | 5,014.24 | 1/4 | 4,693.19 | 1/4 | 4,352.00 | 1/4 | 4,009.71 | 1/4 | 3,666.96 | 1/4 | 3,324.29 | 1/4 | 2,981.63 | 1/4 | 2,638.89 | 1/4 | 2,296.12 |
| 1/2 | | 1/2 | 5,010.45 | 1/2 | 4,686.08 | 1/2 | 4,344.90 | 1/2 | 4,002.57 | 1/2 | 3,659.82 | 1/2 | 3,317.15 | 1/2 | 2,974.49 | 1/2 | 2,631.75 | 1/2 | 2,288.98 |
| 3/4 | | 3/4 | 5,006.66 | 3/4 | 4,678.97 | 3/4 | 4,337.79 | 3/4 | 3,995.43 | 3/4 | 3,652.68 | 3/4 | 3,310.02 | 3/4 | 2,967.35 | 3/4 | 2,624.61 | 3/4 | 2,281.83 |
| 7 | | 7 | 5,001.68 | 7 | 4,671.86 | 7 | 4,330.68 | 7 | 3,988.29 | 7 | 3,645.54 | 7 | 3,302.88 | 7 | 2,960.21 | 7 | 2,617.47 | 7 | 2,274.69 |
| 1/4 | | 1/4 | 4,996.70 | 1/4 | 4,664.76 | 1/4 | 4,323.57 | 1/4 | 3,981.15 | 1/4 | 3,638.40 | 1/4 | 3,295.74 | 1/4 | 2,953.07 | 1/4 | 2,610.32 | 1/4 | 2,267.55 |
| 1/2 | | 1/2 | 4,991.72 | 1/2 | 4,657.65 | 1/2 | 4,316.46 | 1/2 | 3,974.01 | 1/2 | 3,631.26 | 1/2 | 3,288.60 | 1/2 | 2,945.93 | 1/2 | 2,603.18 | 1/2 | 2,260.41 |
| 3/4 | | 3/4 | 4,986.74 | 3/4 | 4,650.54 | 3/4 | 4,309.36 | 3/4 | 3,966.87 | 3/4 | 3,624.12 | 3/4 | 3,281.46 | 3/4 | 2,938.79 | 3/4 | 2,596.04 | 3/4 | 2,253.27 |
| 8 | | 8 | 4,980.57 | 8 | 4,643.43 | 8 | 4,302.25 | 8 | 3,959.73 | 8 | 3,616.98 | 8 | 3,274.32 | 8 | 2,931.65 | 8 | 2,588.90 | 8 | 2,246.13 |
| 1/4 | | 1/4 | 4,974.40 | 1/4 | 4,636.32 | 1/4 | 4,295.14 | 1/4 | 3,952.59 | 1/4 | 3,609.84 | 1/4 | 3,267.18 | 1/4 | 2,924.51 | 1/4 | 2,581.76 | 1/4 | 2,238.99 |
| 1/2 | | 1/2 | 4,968.23 | 1/2 | 4,629.22 | 1/2 | 4,288.03 | 1/2 | 3,945.45 | 1/2 | 3,602.70 | 1/2 | 3,260.05 | 1/2 | 2,917.37 | 1/2 | 2,574.62 | 1/2 | 2,231.85 |
| 3/4 | | 3/4 | 4,962.06 | 3/4 | 4,622.11 | 3/4 | 4,280.92 | 3/4 | 3,938.31 | 3/4 | 3,595.56 | 3/4 | 3,252.91 | 3/4 | 2,910.23 | 3/4 | 2,567.48 | 3/4 | 2,224.71 |
| 9 | | 9 | 4,955.06 | 9 | 4,615.00 | 9 | 4,273.82 | 9 | 3,931.16 | 9 | 3,588.43 | 9 | 3,245.77 | 9 | 2,903.09 | 9 | 2,560.34 | 9 | 2,217.56 |
| 1/4 | | 1/4 | 4,948.07 | 1/4 | 4,607.89 | 1/4 | 4,266.71 | 1/4 | 3,924.02 | 1/4 | 3,581.29 | 1/4 | 3,238.63 | 1/4 | 2,895.95 | 1/4 | 2,553.20 | 1/4 | 2,210.42 |
| 1/2 | | 1/2 | 4,941.07 | 1/2 | 4,600.78 | 1/2 | 4,259.60 | 1/2 | 3,916.88 | 1/2 | 3,574.15 | 1/2 | 3,231.49 | 1/2 | 2,888.81 | 1/2 | 2,546.06 | 1/2 | 2,203.28 |
| 3/4 | | 3/4 | 4,934.08 | 3/4 | 4,593.68 | 3/4 | 4,252.49 | 3/4 | 3,909.74 | 3/4 | 3,567.01 | 3/4 | 3,224.35 | 3/4 | 2,881.67 | 3/4 | 2,538.91 | 3/4 | 2,196.14 |
| 10 | | 10 | 4,927.03 | 10 | 4,586.57 | 10 | 4,245.35 | 10 | 3,902.60 | 10 | 3,559.87 | 10 | 3,217.21 | 10 | 2,874.52 | 10 | 2,531.77 | 10 | 2,189.00 |
| 1/4 | | 1/4 | 4,919.98 | 1/4 | 4,579.46 | 1/4 | 4,238.21 | 1/4 | 3,895.46 | 1/4 | 3,552.73 | 1/4 | 3,210.07 | 1/4 | 2,867.38 | 1/4 | 2,524.63 | 1/4 | 2,181.86 |
| 1/2 | | 1/2 | 4,912.93 | 1/2 | 4,572.35 | 1/2 | 4,231.07 | 1/2 | 3,888.32 | 1/2 | 3,545.59 | 1/2 | 3,202.94 | 1/2 | 2,860.24 | 1/2 | 2,517.49 | 1/2 | 2,174.72 |
| 3/4 | | 3/4 | 4,905.88 | 3/4 | 4,565.24 | 3/4 | 4,223.93 | 3/4 | 3,881.18 | 3/4 | 3,538.45 | 3/4 | 3,195.80 | 3/4 | 2,853.10 | 3/4 | 2,510.35 | 3/4 | 2,167.58 |
| 11 | | 11 | 4,898.82 | 11 | 4,558.14 | 11 | 4,216.79 | 11 | 3,874.04 | 11 | 3,531.32 | 11 | 3,188.66 | 11 | 2,845.96 | 11 | 2,503.21 | 11 | 2,160.44 |
| 1/4 | | 1/4 | 4,891.76 | 1/4 | 4,551.03 | 1/4 | 4,209.65 | 1/4 | 3,866.90 | 1/4 | 3,524.18 | 1/4 | 3,181.52 | 1/4 | 2,838.82 | 1/4 | 2,496.07 | 1/4 | 2,153.29 |
| 1/2 | | 1/2 | 4,884.70 | 1/2 | 4,543.92 | 1/2 | 4,202.51 | 1/2 | 3,859.76 | 1/2 | 3,517.04 | 1/2 | 3,174.38 | 1/2 | 2,831.68 | 1/2 | 2,488.93 | 1/2 | 2,146.15 |
| 3/4 | | 3/4 | 4,877.64 | 3/4 | 4,536.81 | 3/4 | 4,195.37 | 3/4 | 3,852.62 | 3/4 | 3,509.90 | 3/4 | 3,167.24 | 3/4 | 2,824.54 | 3/4 | 2,481.79 | 3/4 | 2,139.01 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.**
**GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 1 STBD

### ULLAGE TABLE
### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,131.87 | 0 | 1,789.10 | 0 | 1,446.33 | 0 | 1,103.55 | 0 | 761.07 | 0 | 419.19 | 0 | 109.50 | 0 | | 0 | | 0 | |
| 1/4 | 2,124.73 | 1/4 | 1,781.96 | 1/4 | 1,439.18 | 1/4 | 1,096.41 | 1/4 | 753.93 | 1/4 | 412.26 | 1/4 | 103.57 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,117.59 | 1/2 | 1,774.82 | 1/2 | 1,432.04 | 1/2 | 1,089.27 | 1/2 | 746.79 | 1/2 | 405.32 | 1/2 | 97.64 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,110.45 | 3/4 | 1,767.68 | 3/4 | 1,424.90 | 3/4 | 1,082.13 | 3/4 | 739.65 | 3/4 | 398.39 | 3/4 | 91.71 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,103.31 | 1 | 1,760.53 | 1 | 1,417.76 | 1 | 1,074.99 | 1 | 732.51 | 1 | 391.54 | 1 | 85.87 | 1 | | 1 | | 1 | |
| 1/4 | 2,096.17 | 1/4 | 1,753.39 | 1/4 | 1,410.62 | 1/4 | 1,067.85 | 1/4 | 725.37 | 1/4 | 384.70 | 1/4 | 80.04 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,089.02 | 1/2 | 1,746.25 | 1/2 | 1,403.48 | 1/2 | 1,060.71 | 1/2 | 718.23 | 1/2 | 377.85 | 1/2 | 74.20 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,081.88 | 3/4 | 1,739.11 | 3/4 | 1,396.34 | 3/4 | 1,053.57 | 3/4 | 711.09 | 3/4 | 371.00 | 3/4 | 68.37 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,074.74 | 2 | 1,731.97 | 2 | 1,389.20 | 2 | 1,046.42 | 2 | 703.94 | 2 | 364.23 | 2 | 62.64 | 2 | | 2 | | 2 | |
| 1/4 | 2,067.60 | 1/4 | 1,724.83 | 1/4 | 1,382.06 | 1/4 | 1,039.28 | 1/4 | 696.80 | 1/4 | 357.47 | 1/4 | 56.91 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,060.46 | 1/2 | 1,717.69 | 1/2 | 1,374.91 | 1/2 | 1,032.14 | 1/2 | 689.66 | 1/2 | 350.70 | 1/2 | 51.19 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,053.32 | 3/4 | 1,710.55 | 3/4 | 1,367.77 | 3/4 | 1,025.00 | 3/4 | 682.52 | 3/4 | 343.94 | 3/4 | 45.46 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,046.18 | 3 | 1,703.41 | 3 | 1,360.63 | 3 | 1,017.87 | 3 | 675.38 | 3 | 337.26 | 3 | 40.67 | 3 | | 3 | | 3 | |
| 1/4 | 2,039.04 | 1/4 | 1,696.26 | 1/4 | 1,353.49 | 1/4 | 1,010.74 | 1/4 | 668.24 | 1/4 | 330.57 | 1/4 | 35.89 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,031.90 | 1/2 | 1,689.12 | 1/2 | 1,346.35 | 1/2 | 1,003.61 | 1/2 | 661.10 | 1/2 | 323.89 | 1/2 | 31.10 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,024.75 | 3/4 | 1,681.98 | 3/4 | 1,339.21 | 3/4 | 996.47 | 3/4 | 653.96 | 3/4 | 317.21 | 3/4 | 26.32 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,017.61 | 4 | 1,674.84 | 4 | 1,332.07 | 4 | 989.34 | 4 | 646.82 | 4 | 310.61 | 4 | 23.40 | 4 | | 4 | | 4 | |
| 1/4 | 2,010.47 | 1/4 | 1,667.70 | 1/4 | 1,324.93 | 1/4 | 982.21 | 1/4 | 639.68 | 1/4 | 304.02 | 1/4 | 20.48 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,003.33 | 1/2 | 1,660.56 | 1/2 | 1,317.79 | 1/2 | 975.08 | 1/2 | 632.54 | 1/2 | 297.42 | 1/2 | 17.56 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,996.19 | 3/4 | 1,653.42 | 3/4 | 1,310.64 | 3/4 | 967.95 | 3/4 | 625.40 | 3/4 | 290.82 | 3/4 | 14.65 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,989.05 | 5 | 1,646.28 | 5 | 1,303.50 | 5 | 960.81 | 5 | 618.26 | 5 | 284.30 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,981.91 | 1/4 | 1,639.14 | 1/4 | 1,296.36 | 1/4 | 953.68 | 1/4 | 611.11 | 1/4 | 277.79 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,974.77 | 1/2 | 1,631.99 | 1/2 | 1,289.22 | 1/2 | 946.55 | 1/2 | 603.97 | 1/2 | 271.28 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,967.63 | 3/4 | 1,624.85 | 3/4 | 1,282.08 | 3/4 | 939.42 | 3/4 | 596.83 | 3/4 | 264.76 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,960.48 | 6 | 1,617.71 | 6 | 1,274.94 | 6 | 932.28 | 6 | 589.69 | 6 | 258.33 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,953.34 | 1/4 | 1,610.57 | 1/4 | 1,267.80 | 1/4 | 925.15 | 1/4 | 582.55 | 1/4 | 251.90 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,946.20 | 1/2 | 1,603.43 | 1/2 | 1,260.66 | 1/2 | 918.02 | 1/2 | 575.41 | 1/2 | 245.47 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,939.06 | 3/4 | 1,596.29 | 3/4 | 1,253.52 | 3/4 | 910.89 | 3/4 | 568.27 | 3/4 | 239.04 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,931.92 | 7 | 1,589.15 | 7 | 1,246.37 | 7 | 903.76 | 7 | 561.13 | 7 | 232.69 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,924.78 | 1/4 | 1,582.01 | 1/4 | 1,239.23 | 1/4 | 896.62 | 1/4 | 553.99 | 1/4 | 226.34 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,917.64 | 1/2 | 1,574.87 | 1/2 | 1,232.09 | 1/2 | 889.49 | 1/2 | 546.85 | 1/2 | 219.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,910.50 | 3/4 | 1,567.72 | 3/4 | 1,224.95 | 3/4 | 882.36 | 3/4 | 539.71 | 3/4 | 213.65 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,903.36 | 8 | 1,560.58 | 8 | 1,217.81 | 8 | 875.23 | 8 | 532.57 | 8 | 207.38 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,896.22 | 1/4 | 1,553.44 | 1/4 | 1,210.67 | 1/4 | 868.09 | 1/4 | 525.42 | 1/4 | 201.12 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,889.07 | 1/2 | 1,546.30 | 1/2 | 1,203.53 | 1/2 | 860.96 | 1/2 | 518.28 | 1/2 | 194.85 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,881.93 | 3/4 | 1,539.16 | 3/4 | 1,196.39 | 3/4 | 853.83 | 3/4 | 511.14 | 3/4 | 188.59 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,874.79 | 9 | 1,532.02 | 9 | 1,189.25 | 9 | 846.70 | 9 | 504.00 | 9 | 182.41 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,867.65 | 1/4 | 1,524.88 | 1/4 | 1,182.10 | 1/4 | 839.57 | 1/4 | 496.86 | 1/4 | 176.23 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,860.51 | 1/2 | 1,517.74 | 1/2 | 1,174.96 | 1/2 | 832.43 | 1/2 | 489.72 | 1/2 | 170.05 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,853.37 | 3/4 | 1,510.60 | 3/4 | 1,167.82 | 3/4 | 825.30 | 3/4 | 482.58 | 3/4 | 163.87 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,846.23 | 10 | 1,503.45 | 10 | 1,160.68 | 10 | 818.17 | 10 | 475.48 | 10 | 157.77 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,839.09 | 1/4 | 1,496.31 | 1/4 | 1,153.54 | 1/4 | 811.04 | 1/4 | 468.38 | 1/4 | 151.67 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,831.95 | 1/2 | 1,489.17 | 1/2 | 1,146.40 | 1/2 | 803.91 | 1/2 | 461.28 | 1/2 | 145.58 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,824.80 | 3/4 | 1,482.03 | 3/4 | 1,139.26 | 3/4 | 796.77 | 3/4 | 454.18 | 3/4 | 139.48 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,817.66 | 11 | 1,474.89 | 11 | 1,132.12 | 11 | 789.63 | 11 | 447.17 | 11 | 133.47 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,810.52 | 1/4 | 1,467.75 | 1/4 | 1,124.98 | 1/4 | 782.49 | 1/4 | 440.15 | 1/4 | 127.45 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,803.38 | 1/2 | 1,460.61 | 1/2 | 1,117.84 | 1/2 | 775.35 | 1/2 | 433.14 | 1/2 | 121.44 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,796.24 | 3/4 | 1,453.47 | 3/4 | 1,110.69 | 3/4 | 768.21 | 3/4 | 426.12 | 3/4 | 115.42 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 2 PORT

### ULLAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 16'-05 3/4"**

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | 0 | | 0 | 4,960.80 | 0 | 4,619.08 | 0 | 4,276.70 | 0 | 3,932.91 | 0 | 3,589.13 | 0 | 3,245.34 | 0 | 2,901.51 | 0 | 2,557.62 |
| 1/4 | | 1/4 | | 1/4 | 4,953.72 | 1/4 | 4,611.95 | 1/4 | 4,269.54 | 1/4 | 3,925.75 | 1/4 | 3,581.96 | 1/4 | 3,238.18 | 1/4 | 2,894.35 | 1/4 | 2,550.45 |
| 1/2 | | 1/2 | | 1/2 | 4,946.64 | 1/2 | 4,604.82 | 1/2 | 4,262.37 | 1/2 | 3,918.59 | 1/2 | 3,574.80 | 1/2 | 3,231.02 | 1/2 | 2,887.18 | 1/2 | 2,543.29 |
| 3/4 | | 3/4 | | 3/4 | 4,939.56 | 3/4 | 4,597.69 | 3/4 | 4,255.21 | 3/4 | 3,911.43 | 3/4 | 3,567.64 | 3/4 | 3,223.85 | 3/4 | 2,880.02 | 3/4 | 2,536.13 |
| 1 | | 1 | | 1 | 4,932.47 | 1 | 4,590.56 | 1 | 4,248.05 | 1 | 3,904.26 | 1 | 3,560.48 | 1 | 3,216.69 | 1 | 2,872.85 | 1 | 2,528.96 |
| 1/4 | | 1/4 | | 1/4 | 4,925.39 | 1/4 | 4,583.43 | 1/4 | 4,240.89 | 1/4 | 3,897.10 | 1/4 | 3,553.32 | 1/4 | 3,209.53 | 1/4 | 2,865.69 | 1/4 | 2,521.80 |
| 1/2 | | 1/2 | | 1/2 | 4,918.30 | 1/2 | 4,576.30 | 1/2 | 4,233.72 | 1/2 | 3,889.94 | 1/2 | 3,546.15 | 1/2 | 3,202.37 | 1/2 | 2,858.52 | 1/2 | 2,514.63 |
| 3/4 | | 3/4 | | 3/4 | 4,911.22 | 3/4 | 4,569.17 | 3/4 | 4,226.56 | 3/4 | 3,882.78 | 3/4 | 3,538.99 | 3/4 | 3,195.21 | 3/4 | 2,851.36 | 3/4 | 2,507.47 |
| 2 | | 2 | | 2 | 4,904.13 | 2 | 4,562.05 | 2 | 4,219.40 | 2 | 3,875.61 | 2 | 3,531.83 | 2 | 3,188.04 | 2 | 2,844.19 | 2 | 2,500.30 |
| 1/4 | | 1/4 | | 1/4 | 4,897.05 | 1/4 | 4,554.92 | 1/4 | 4,212.24 | 1/4 | 3,868.45 | 1/4 | 3,524.67 | 1/4 | 3,180.88 | 1/4 | 2,837.03 | 1/4 | 2,493.14 |
| 1/2 | | 1/2 | | 1/2 | 4,889.96 | 1/2 | 4,547.79 | 1/2 | 4,205.08 | 1/2 | 3,861.29 | 1/2 | 3,517.50 | 1/2 | 3,173.72 | 1/2 | 2,829.87 | 1/2 | 2,485.97 |
| 3/4 | | 3/4 | | 3/4 | 4,882.88 | 3/4 | 4,540.66 | 3/4 | 4,197.91 | 3/4 | 3,854.13 | 3/4 | 3,510.34 | 3/4 | 3,166.56 | 3/4 | 2,822.70 | 3/4 | 2,478.81 |
| 3 | | 3 | | 3 | 4,875.75 | 3 | 4,533.53 | 3 | 4,190.75 | 3 | 3,846.97 | 3 | 3,503.18 | 3 | 3,159.39 | 3 | 2,815.54 | 3 | 2,471.65 |
| 1/4 | | 1/4 | | 1/4 | 4,868.62 | 1/4 | 4,526.40 | 1/4 | 4,183.59 | 1/4 | 3,839.80 | 1/4 | 3,496.02 | 1/4 | 3,152.23 | 1/4 | 2,808.37 | 1/4 | 2,464.48 |
| 1/2 | | 1/2 | | 1/2 | 4,861.49 | 1/2 | 4,519.27 | 1/2 | 4,176.43 | 1/2 | 3,832.64 | 1/2 | 3,488.86 | 1/2 | 3,145.07 | 1/2 | 2,801.21 | 1/2 | 2,457.32 |
| 3/4 | | 3/4 | | 3/4 | 4,854.36 | 3/4 | 4,512.14 | 3/4 | 4,169.27 | 3/4 | 3,825.48 | 3/4 | 3,481.69 | 3/4 | 3,137.91 | 3/4 | 2,794.04 | 3/4 | 2,450.15 |
| 4 | | 4 | | 4 | 4,847.23 | 4 | 4,505.01 | 4 | 4,162.10 | 4 | 3,818.32 | 4 | 3,474.53 | 4 | 3,130.75 | 4 | 2,786.88 | 4 | 2,442.99 |
| 1/4 | | 1/4 | | 1/4 | 4,840.10 | 1/4 | 4,497.88 | 1/4 | 4,154.94 | 1/4 | 3,811.16 | 1/4 | 3,467.37 | 1/4 | 3,123.58 | 1/4 | 2,779.71 | 1/4 | 2,435.82 |
| 1/2 | | 1/2 | | 1/2 | 4,832.97 | 1/2 | 4,490.75 | 1/2 | 4,147.78 | 1/2 | 3,803.99 | 1/2 | 3,460.21 | 1/2 | 3,116.42 | 1/2 | 2,772.55 | 1/2 | 2,428.66 |
| 3/4 | | 3/4 | | 3/4 | 4,825.84 | 3/4 | 4,483.62 | 3/4 | 4,140.62 | 3/4 | 3,796.83 | 3/4 | 3,453.05 | 3/4 | 3,109.26 | 3/4 | 2,765.39 | 3/4 | 2,421.49 |
| 5 | | 5 | | 5 | 4,818.71 | 5 | 4,476.49 | 5 | 4,133.45 | 5 | 3,789.67 | 5 | 3,445.88 | 5 | 3,102.10 | 5 | 2,758.22 | 5 | 2,414.33 |
| 1/4 | | 1/4 | | 1/4 | 4,811.58 | 1/4 | 4,469.36 | 1/4 | 4,126.29 | 1/4 | 3,782.51 | 1/4 | 3,438.72 | 1/4 | 3,094.94 | 1/4 | 2,751.06 | 1/4 | 2,407.17 |
| 1/2 | | 1/2 | | 1/2 | 4,804.45 | 1/2 | 4,462.23 | 1/2 | 4,119.13 | 1/2 | 3,775.34 | 1/2 | 3,431.56 | 1/2 | 3,087.77 | 1/2 | 2,743.89 | 1/2 | 2,400.00 |
| 3/4 | | 3/4 | | 3/4 | 4,797.32 | 3/4 | 4,455.10 | 3/4 | 4,111.97 | 3/4 | 3,768.18 | 3/4 | 3,424.40 | 3/4 | 3,080.61 | 3/4 | 2,736.73 | 3/4 | 2,392.84 |
| 6 | | 6 | | 6 | 4,790.19 | 6 | 4,447.97 | 6 | 4,104.81 | 6 | 3,761.02 | 6 | 3,417.23 | 6 | 3,073.45 | 6 | 2,729.56 | 6 | 2,385.67 |
| 1/4 | | 1/4 | | 1/4 | 4,783.06 | 1/4 | 4,440.84 | 1/4 | 4,097.64 | 1/4 | 3,753.86 | 1/4 | 3,410.07 | 1/4 | 3,066.29 | 1/4 | 2,722.40 | 1/4 | 2,378.51 |
| 1/2 | | 1/2 | | 1/2 | 4,775.93 | 1/2 | 4,433.71 | 1/2 | 4,090.48 | 1/2 | 3,746.70 | 1/2 | 3,402.91 | 1/2 | 3,059.12 | 1/2 | 2,715.24 | 1/2 | 2,371.34 |
| 3/4 | | 3/4 | 5,084.17 | 3/4 | 4,768.80 | 3/4 | 4,426.58 | 3/4 | 4,083.32 | 3/4 | 3,739.53 | 3/4 | 3,395.75 | 3/4 | 3,051.96 | 3/4 | 2,708.07 | 3/4 | 2,364.18 |
| 7 | | 7 | 5,080.37 | 7 | 4,761.67 | 7 | 4,419.45 | 7 | 4,076.16 | 7 | 3,732.37 | 7 | 3,388.59 | 7 | 3,044.80 | 7 | 2,700.91 | 7 | 2,357.02 |
| 1/4 | | 1/4 | 5,076.57 | 1/4 | 4,754.54 | 1/4 | 4,412.32 | 1/4 | 4,068.99 | 1/4 | 3,725.21 | 1/4 | 3,381.42 | 1/4 | 3,037.63 | 1/4 | 2,693.74 | 1/4 | 2,349.85 |
| 1/2 | | 1/2 | 5,072.77 | 1/2 | 4,747.41 | 1/2 | 4,405.19 | 1/2 | 4,061.83 | 1/2 | 3,718.05 | 1/2 | 3,374.26 | 1/2 | 3,030.47 | 1/2 | 2,686.58 | 1/2 | 2,342.69 |
| 3/4 | | 3/4 | 5,068.97 | 3/4 | 4,740.29 | 3/4 | 4,398.06 | 3/4 | 4,054.67 | 3/4 | 3,710.88 | 3/4 | 3,367.10 | 3/4 | 3,023.30 | 3/4 | 2,679.41 | 3/4 | 2,335.52 |
| 8 | | 8 | 5,063.97 | 8 | 4,733.16 | 8 | 4,390.93 | 8 | 4,047.51 | 8 | 3,703.72 | 8 | 3,359.94 | 8 | 3,016.14 | 8 | 2,672.25 | 8 | 2,328.36 |
| 1/4 | | 1/4 | 5,058.98 | 1/4 | 4,726.03 | 1/4 | 4,383.81 | 1/4 | 4,040.35 | 1/4 | 3,696.56 | 1/4 | 3,352.77 | 1/4 | 3,008.98 | 1/4 | 2,665.08 | 1/4 | 2,321.19 |
| 1/2 | | 1/2 | 5,053.98 | 1/2 | 4,718.90 | 1/2 | 4,376.68 | 1/2 | 4,033.18 | 1/2 | 3,689.40 | 1/2 | 3,345.61 | 1/2 | 3,001.81 | 1/2 | 2,657.92 | 1/2 | 2,314.03 |
| 3/4 | | 3/4 | 5,048.99 | 3/4 | 4,711.77 | 3/4 | 4,369.55 | 3/4 | 4,026.02 | 3/4 | 3,682.24 | 3/4 | 3,338.45 | 3/4 | 2,994.65 | 3/4 | 2,650.76 | 3/4 | 2,306.86 |
| 9 | | 9 | 5,042.80 | 9 | 4,704.64 | 9 | 4,362.42 | 9 | 4,018.86 | 9 | 3,675.07 | 9 | 3,331.29 | 9 | 2,987.48 | 9 | 2,643.59 | 9 | 2,299.70 |
| 1/4 | | 1/4 | 5,036.61 | 1/4 | 4,697.51 | 1/4 | 4,355.29 | 1/4 | 4,011.70 | 1/4 | 3,667.91 | 1/4 | 3,324.13 | 1/4 | 2,980.32 | 1/4 | 2,636.43 | 1/4 | 2,292.54 |
| 1/2 | | 1/2 | 5,030.42 | 1/2 | 4,690.38 | 1/2 | 4,348.16 | 1/2 | 4,004.53 | 1/2 | 3,660.75 | 1/2 | 3,316.96 | 1/2 | 2,973.15 | 1/2 | 2,629.26 | 1/2 | 2,285.37 |
| 3/4 | | 3/4 | 5,024.23 | 3/4 | 4,683.25 | 3/4 | 4,341.03 | 3/4 | 3,997.37 | 3/4 | 3,653.59 | 3/4 | 3,309.80 | 3/4 | 2,965.99 | 3/4 | 2,622.10 | 3/4 | 2,278.21 |
| 10 | | 10 | 5,017.21 | 10 | 4,676.12 | 10 | 4,333.90 | 10 | 3,990.21 | 10 | 3,646.42 | 10 | 3,302.64 | 10 | 2,958.82 | 10 | 2,614.93 | 10 | 2,271.04 |
| 1/4 | | 1/4 | 5,010.20 | 1/4 | 4,668.99 | 1/4 | 4,326.77 | 1/4 | 3,983.05 | 1/4 | 3,639.26 | 1/4 | 3,295.48 | 1/4 | 2,951.66 | 1/4 | 2,607.77 | 1/4 | 2,263.88 |
| 1/2 | | 1/2 | 5,003.18 | 1/2 | 4,661.86 | 1/2 | 4,319.64 | 1/2 | 3,975.89 | 1/2 | 3,632.10 | 1/2 | 3,288.31 | 1/2 | 2,944.50 | 1/2 | 2,600.60 | 1/2 | 2,256.71 |
| 3/4 | | 3/4 | 4,996.17 | 3/4 | 4,654.73 | 3/4 | 4,312.51 | 3/4 | 3,968.72 | 3/4 | 3,624.94 | 3/4 | 3,281.15 | 3/4 | 2,937.33 | 3/4 | 2,593.44 | 3/4 | 2,249.55 |
| 11 | | 11 | 4,989.10 | 11 | 4,647.60 | 11 | 4,305.35 | 11 | 3,961.56 | 11 | 3,617.78 | 11 | 3,273.99 | 11 | 2,930.17 | 11 | 2,586.28 | 11 | 2,242.38 |
| 1/4 | | 1/4 | 4,982.03 | 1/4 | 4,640.47 | 1/4 | 4,298.18 | 1/4 | 3,954.40 | 1/4 | 3,610.61 | 1/4 | 3,266.83 | 1/4 | 2,923.00 | 1/4 | 2,579.11 | 1/4 | 2,235.22 |
| 1/2 | | 1/2 | 4,974.96 | 1/2 | 4,633.34 | 1/2 | 4,291.02 | 1/2 | 3,947.24 | 1/2 | 3,603.45 | 1/2 | 3,259.67 | 1/2 | 2,915.84 | 1/2 | 2,571.95 | 1/2 | 2,228.06 |
| 3/4 | | 3/4 | 4,967.89 | 3/4 | 4,626.21 | 3/4 | 4,283.86 | 3/4 | 3,940.07 | 3/4 | 3,596.29 | 3/4 | 3,252.50 | 3/4 | 2,908.67 | 3/4 | 2,564.78 | 3/4 | 2,220.89 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.**
**GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 2 PORT

### ULLAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,213.73 | 0 | 1,869.84 | 0 | 1,525.94 | 0 | 1,182.05 | 0 | 850.66 | 0 | 508.81 | 0 | 164.94 | 0 | | 0 | | 0 | |
| 1/4 | 2,206.56 | 1/4 | 1,862.67 | 1/4 | 1,518.78 | 1/4 | 1,174.89 | 1/4 | 843.79 | 1/4 | 501.65 | 1/4 | 157.77 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,199.40 | 1/2 | 1,855.51 | 1/2 | 1,511.62 | 1/2 | 1,167.72 | 1/2 | 836.93 | 1/2 | 494.49 | 1/2 | 150.61 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,192.23 | 3/4 | 1,848.34 | 3/4 | 1,504.45 | 3/4 | 1,160.56 | 3/4 | 830.07 | 3/4 | 487.32 | 3/4 | 143.44 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,185.07 | 1 | 1,841.18 | 1 | 1,497.29 | 1 | 1,153.40 | 1 | 823.19 | 1 | 480.16 | 1 | 136.28 | 1 | | 1 | | 1 | |
| 1/4 | 2,177.91 | 1/4 | 1,834.01 | 1/4 | 1,490.12 | 1/4 | 1,146.23 | 1/4 | 816.30 | 1/4 | 472.99 | 1/4 | 129.12 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,170.74 | 1/2 | 1,826.85 | 1/2 | 1,482.96 | 1/2 | 1,139.07 | 1/2 | 809.42 | 1/2 | 465.83 | 1/2 | 121.96 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,163.58 | 3/4 | 1,819.69 | 3/4 | 1,475.79 | 3/4 | 1,131.90 | 3/4 | 802.54 | 3/4 | 458.66 | 3/4 | 114.79 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,156.41 | 2 | 1,812.52 | 2 | 1,468.63 | 2 | 1,125.02 | 2 | 795.38 | 2 | 451.50 | 2 | 107.64 | 2 | | 2 | | 2 | |
| 1/4 | 2,149.25 | 1/4 | 1,805.36 | 1/4 | 1,461.47 | 1/4 | 1,118.14 | 1/4 | 788.21 | 1/4 | 444.34 | 1/4 | 100.49 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,142.08 | 1/2 | 1,798.19 | 1/2 | 1,454.30 | 1/2 | 1,111.26 | 1/2 | 781.05 | 1/2 | 437.17 | 1/2 | 93.33 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,134.92 | 3/4 | 1,791.03 | 3/4 | 1,447.14 | 3/4 | 1,104.38 | 3/4 | 773.89 | 3/4 | 430.01 | 3/4 | 86.18 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,127.75 | 3 | 1,783.86 | 3 | 1,439.97 | 3 | 1,097.51 | 3 | 766.72 | 3 | 422.84 | 3 | 79.05 | 3 | | 3 | | 3 | |
| 1/4 | 2,120.59 | 1/4 | 1,776.70 | 1/4 | 1,432.81 | 1/4 | 1,090.65 | 1/4 | 759.56 | 1/4 | 415.68 | 1/4 | 71.92 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,113.43 | 1/2 | 1,769.53 | 1/2 | 1,425.64 | 1/2 | 1,083.78 | 1/2 | 752.39 | 1/2 | 408.52 | 1/2 | 64.80 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,106.26 | 3/4 | 1,762.37 | 3/4 | 1,418.48 | 3/4 | 1,076.92 | 3/4 | 745.23 | 3/4 | 401.35 | 3/4 | 57.67 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,099.10 | 4 | 1,755.21 | 4 | 1,411.31 | 4 | 1,070.06 | 4 | 738.06 | 4 | 394.19 | 4 | 51.40 | 4 | | 4 | | 4 | |
| 1/4 | 2,091.93 | 1/4 | 1,748.04 | 1/4 | 1,404.15 | 1/4 | 1,063.21 | 1/4 | 730.90 | 1/4 | 387.02 | 1/4 | 45.13 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,084.77 | 1/2 | 1,740.88 | 1/2 | 1,396.99 | 1/2 | 1,056.35 | 1/2 | 723.74 | 1/2 | 379.86 | 1/2 | 38.87 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,077.60 | 3/4 | 1,733.71 | 3/4 | 1,389.82 | 3/4 | 1,049.49 | 3/4 | 716.57 | 3/4 | 372.70 | 3/4 | 32.60 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,070.44 | 5 | 1,726.55 | 5 | 1,382.66 | 5 | 1,042.64 | 5 | 709.41 | 5 | 365.53 | 5 | 28.12 | 5 | | 5 | | 5 | |
| 1/4 | 2,063.27 | 1/4 | 1,719.38 | 1/4 | 1,375.49 | 1/4 | 1,035.78 | 1/4 | 702.24 | 1/4 | 358.37 | 1/4 | 23.64 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,056.11 | 1/2 | 1,712.22 | 1/2 | 1,368.33 | 1/2 | 1,028.93 | 1/2 | 695.08 | 1/2 | 351.20 | 1/2 | 19.17 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,048.95 | 3/4 | 1,705.05 | 3/4 | 1,361.16 | 3/4 | 1,022.07 | 3/4 | 687.92 | 3/4 | 344.04 | 3/4 | 14.69 | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,041.78 | 6 | 1,697.89 | 6 | 1,354.00 | 6 | 1,015.21 | 6 | 680.75 | 6 | 336.88 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 2,034.62 | 1/4 | 1,690.73 | 1/4 | 1,346.83 | 1/4 | 1,008.36 | 1/4 | 673.59 | 1/4 | 329.71 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,027.45 | 1/2 | 1,683.56 | 1/2 | 1,339.67 | 1/2 | 1,001.50 | 1/2 | 666.42 | 1/2 | 322.55 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,020.29 | 3/4 | 1,676.40 | 3/4 | 1,332.51 | 3/4 | 994.64 | 3/4 | 659.26 | 3/4 | 315.38 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,013.12 | 7 | 1,669.23 | 7 | 1,325.34 | 7 | 987.79 | 7 | 652.10 | 7 | 308.22 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 2,005.96 | 1/4 | 1,662.07 | 1/4 | 1,318.18 | 1/4 | 980.93 | 1/4 | 644.93 | 1/4 | 301.05 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,998.80 | 1/2 | 1,654.90 | 1/2 | 1,311.01 | 1/2 | 974.08 | 1/2 | 637.77 | 1/2 | 293.89 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,991.63 | 3/4 | 1,647.74 | 3/4 | 1,303.85 | 3/4 | 967.22 | 3/4 | 630.60 | 3/4 | 286.73 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,984.47 | 8 | 1,640.58 | 8 | 1,296.68 | 8 | 960.36 | 8 | 623.44 | 8 | 279.56 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,977.30 | 1/4 | 1,633.41 | 1/4 | 1,289.52 | 1/4 | 953.51 | 1/4 | 616.27 | 1/4 | 272.40 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,970.14 | 1/2 | 1,626.25 | 1/2 | 1,282.36 | 1/2 | 946.65 | 1/2 | 609.11 | 1/2 | 265.23 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,962.97 | 3/4 | 1,619.08 | 3/4 | 1,275.19 | 3/4 | 939.80 | 3/4 | 601.95 | 3/4 | 258.07 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,955.81 | 9 | 1,611.92 | 9 | 1,268.03 | 9 | 932.94 | 9 | 594.78 | 9 | 250.91 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,948.64 | 1/4 | 1,604.75 | 1/4 | 1,260.86 | 1/4 | 926.08 | 1/4 | 587.62 | 1/4 | 243.74 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,941.48 | 1/2 | 1,597.59 | 1/2 | 1,253.70 | 1/2 | 919.23 | 1/2 | 580.45 | 1/2 | 236.58 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,934.32 | 3/4 | 1,590.42 | 3/4 | 1,246.53 | 3/4 | 912.37 | 3/4 | 573.29 | 3/4 | 229.41 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,927.15 | 10 | 1,583.26 | 10 | 1,239.37 | 10 | 905.52 | 10 | 566.13 | 10 | 222.25 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,919.99 | 1/4 | 1,576.10 | 1/4 | 1,232.20 | 1/4 | 898.66 | 1/4 | 558.96 | 1/4 | 215.09 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,912.82 | 1/2 | 1,568.93 | 1/2 | 1,225.04 | 1/2 | 891.80 | 1/2 | 551.80 | 1/2 | 207.92 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,905.66 | 3/4 | 1,561.77 | 3/4 | 1,217.88 | 3/4 | 884.95 | 3/4 | 544.63 | 3/4 | 200.76 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,898.49 | 11 | 1,554.60 | 11 | 1,210.71 | 11 | 878.09 | 11 | 537.47 | 11 | 193.59 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,891.33 | 1/4 | 1,547.44 | 1/4 | 1,203.55 | 1/4 | 871.24 | 1/4 | 530.31 | 1/4 | 186.43 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,884.16 | 1/2 | 1,540.27 | 1/2 | 1,196.38 | 1/2 | 864.38 | 1/2 | 523.14 | 1/2 | 179.26 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,877.00 | 3/4 | 1,533.11 | 3/4 | 1,189.22 | 3/4 | 857.52 | 3/4 | 515.98 | 3/4 | 172.10 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 2 STBD

### ULLAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | 0 | | 0 | 4,957.34 | 0 | 4,615.15 | 0 | 4,272.34 | 0 | 3,928.21 | 0 | 3,584.12 | 0 | 3,240.10 | 0 | 2,896.03 | 0 | 2,551.90 |
| 1/4 | | 1/4 | | 1/4 | 4,950.25 | 1/4 | 4,608.01 | 1/4 | 4,265.17 | 1/4 | 3,921.04 | 1/4 | 3,576.95 | 1/4 | 3,232.93 | 1/4 | 2,888.86 | 1/4 | 2,544.73 |
| 1/2 | | 1/2 | | 1/2 | 4,943.16 | 1/2 | 4,600.88 | 1/2 | 4,258.00 | 1/2 | 3,913.87 | 1/2 | 3,569.79 | 1/2 | 3,225.77 | 1/2 | 2,881.69 | 1/2 | 2,537.56 |
| 3/4 | | 3/4 | | 3/4 | 4,936.06 | 3/4 | 4,593.74 | 3/4 | 4,250.83 | 3/4 | 3,906.70 | 3/4 | 3,562.62 | 3/4 | 3,218.60 | 3/4 | 2,874.52 | 3/4 | 2,530.39 |
| 1 | | 1 | | 1 | 4,928.97 | 1 | 4,586.60 | 1 | 4,243.66 | 1 | 3,899.54 | 1 | 3,555.45 | 1 | 3,211.43 | 1 | 2,867.35 | 1 | 2,523.22 |
| 1/4 | | 1/4 | | 1/4 | 4,921.88 | 1/4 | 4,579.47 | 1/4 | 4,236.49 | 1/4 | 3,892.37 | 1/4 | 3,548.29 | 1/4 | 3,204.27 | 1/4 | 2,860.18 | 1/4 | 2,516.05 |
| 1/2 | | 1/2 | | 1/2 | 4,914.79 | 1/2 | 4,572.33 | 1/2 | 4,229.32 | 1/2 | 3,885.20 | 1/2 | 3,541.12 | 1/2 | 3,197.10 | 1/2 | 2,853.01 | 1/2 | 2,508.88 |
| 3/4 | | 3/4 | | 3/4 | 4,907.70 | 3/4 | 4,565.19 | 3/4 | 4,222.15 | 3/4 | 3,878.03 | 3/4 | 3,533.95 | 3/4 | 3,189.93 | 3/4 | 2,845.84 | 3/4 | 2,501.72 |
| 2 | | 2 | | 2 | 4,900.61 | 2 | 4,558.06 | 2 | 4,214.98 | 2 | 3,870.86 | 2 | 3,526.78 | 2 | 3,182.76 | 2 | 2,838.67 | 2 | 2,494.55 |
| 1/4 | | 1/4 | | 1/4 | 4,893.47 | 1/4 | 4,550.92 | 1/4 | 4,207.82 | 1/4 | 3,863.69 | 1/4 | 3,519.62 | 1/4 | 3,175.60 | 1/4 | 2,831.50 | 1/4 | 2,487.38 |
| 1/2 | | 1/2 | | 1/2 | 4,886.33 | 1/2 | 4,543.79 | 1/2 | 4,200.65 | 1/2 | 3,856.52 | 1/2 | 3,512.45 | 1/2 | 3,168.43 | 1/2 | 2,824.33 | 1/2 | 2,480.21 |
| 3/4 | | 3/4 | | 3/4 | 4,879.20 | 3/4 | 4,536.65 | 3/4 | 4,193.48 | 3/4 | 3,849.35 | 3/4 | 3,505.28 | 3/4 | 3,161.26 | 3/4 | 2,817.16 | 3/4 | 2,473.04 |
| 3 | | 3 | | 3 | 4,872.06 | 3 | 4,529.51 | 3 | 4,186.31 | 3 | 3,842.18 | 3 | 3,498.12 | 3 | 3,154.10 | 3 | 2,810.00 | 3 | 2,465.87 |
| 1/4 | | 1/4 | | 1/4 | 4,864.92 | 1/4 | 4,522.38 | 1/4 | 4,179.14 | 1/4 | 3,835.01 | 1/4 | 3,490.95 | 1/4 | 3,146.93 | 1/4 | 2,802.83 | 1/4 | 2,458.70 |
| 1/2 | | 1/2 | | 1/2 | 4,857.79 | 1/2 | 4,515.24 | 1/2 | 4,171.97 | 1/2 | 3,827.84 | 1/2 | 3,483.78 | 1/2 | 3,139.76 | 1/2 | 2,795.66 | 1/2 | 2,451.53 |
| 3/4 | | 3/4 | | 3/4 | 4,850.65 | 3/4 | 4,508.10 | 3/4 | 4,164.80 | 3/4 | 3,820.67 | 3/4 | 3,476.62 | 3/4 | 3,132.59 | 3/4 | 2,788.49 | 3/4 | 2,444.36 |
| 4 | | 4 | | 4 | 4,843.51 | 4 | 4,500.97 | 4 | 4,157.63 | 4 | 3,813.50 | 4 | 3,469.45 | 4 | 3,125.43 | 4 | 2,781.32 | 4 | 2,437.19 |
| 1/4 | | 1/4 | | 1/4 | 4,836.38 | 1/4 | 4,493.83 | 1/4 | 4,150.46 | 1/4 | 3,806.33 | 1/4 | 3,462.28 | 1/4 | 3,118.26 | 1/4 | 2,774.15 | 1/4 | 2,430.02 |
| 1/2 | | 1/2 | | 1/2 | 4,829.24 | 1/2 | 4,486.69 | 1/2 | 4,143.29 | 1/2 | 3,799.17 | 1/2 | 3,455.11 | 1/2 | 3,111.09 | 1/2 | 2,766.98 | 1/2 | 2,422.85 |
| 3/4 | | 3/4 | | 3/4 | 4,822.11 | 3/4 | 4,479.56 | 3/4 | 4,136.12 | 3/4 | 3,792.00 | 3/4 | 3,447.95 | 3/4 | 3,103.93 | 3/4 | 2,759.81 | 3/4 | 2,415.68 |
| 5 | | 5 | | 5 | 4,814.97 | 5 | 4,472.42 | 5 | 4,128.95 | 5 | 3,784.83 | 5 | 3,440.78 | 5 | 3,096.76 | 5 | 2,752.64 | 5 | 2,408.51 |
| 1/4 | | 1/4 | | 1/4 | 4,807.83 | 1/4 | 4,465.29 | 1/4 | 4,121.78 | 1/4 | 3,777.66 | 1/4 | 3,433.61 | 1/4 | 3,089.59 | 1/4 | 2,745.47 | 1/4 | 2,401.35 |
| 1/2 | | 1/2 | | 1/2 | 4,800.70 | 1/2 | 4,458.15 | 1/2 | 4,114.61 | 1/2 | 3,770.49 | 1/2 | 3,426.45 | 1/2 | 3,082.42 | 1/2 | 2,738.30 | 1/2 | 2,394.18 |
| 3/4 | | 3/4 | | 3/4 | 4,793.56 | 3/4 | 4,451.01 | 3/4 | 4,107.45 | 3/4 | 3,763.32 | 3/4 | 3,419.28 | 3/4 | 3,075.26 | 3/4 | 2,731.13 | 3/4 | 2,387.01 |
| 6 | | 6 | 5,102.10 | 6 | 4,786.42 | 6 | 4,443.88 | 6 | 4,100.28 | 6 | 3,756.15 | 6 | 3,412.11 | 6 | 3,068.09 | 6 | 2,723.96 | 6 | 2,379.84 |
| 1/4 | | 1/4 | 5,098.29 | 1/4 | 4,779.29 | 1/4 | 4,436.74 | 1/4 | 4,093.11 | 1/4 | 3,748.98 | 1/4 | 3,404.94 | 1/4 | 3,060.92 | 1/4 | 2,716.79 | 1/4 | 2,372.67 |
| 1/2 | | 1/2 | 5,094.49 | 1/2 | 4,772.15 | 1/2 | 4,429.60 | 1/2 | 4,085.94 | 1/2 | 3,741.81 | 1/2 | 3,397.78 | 1/2 | 3,053.75 | 1/2 | 2,709.63 | 1/2 | 2,365.50 |
| 3/4 | | 3/4 | 5,090.68 | 3/4 | 4,765.01 | 3/4 | 4,422.47 | 3/4 | 4,078.77 | 3/4 | 3,734.64 | 3/4 | 3,390.61 | 3/4 | 3,046.58 | 3/4 | 2,702.46 | 3/4 | 2,358.33 |
| 7 | | 7 | 5,086.88 | 7 | 4,757.88 | 7 | 4,415.33 | 7 | 4,071.60 | 7 | 3,727.47 | 7 | 3,383.44 | 7 | 3,039.41 | 7 | 2,695.29 | 7 | 2,351.16 |
| 1/4 | | 1/4 | 5,081.88 | 1/4 | 4,750.74 | 1/4 | 4,408.19 | 1/4 | 4,064.43 | 1/4 | 3,720.30 | 1/4 | 3,376.28 | 1/4 | 3,032.24 | 1/4 | 2,688.12 | 1/4 | 2,343.99 |
| 1/2 | | 1/2 | 5,076.88 | 1/2 | 4,743.60 | 1/2 | 4,401.06 | 1/2 | 4,057.26 | 1/2 | 3,713.13 | 1/2 | 3,369.11 | 1/2 | 3,025.07 | 1/2 | 2,680.95 | 1/2 | 2,336.82 |
| 3/4 | | 3/4 | 5,071.88 | 3/4 | 4,736.47 | 3/4 | 4,393.92 | 3/4 | 4,050.09 | 3/4 | 3,705.96 | 3/4 | 3,361.94 | 3/4 | 3,017.91 | 3/4 | 2,673.78 | 3/4 | 2,329.65 |
| 8 | | 8 | 5,066.88 | 8 | 4,729.33 | 8 | 4,386.78 | 8 | 4,042.92 | 8 | 3,698.80 | 8 | 3,354.77 | 8 | 3,010.74 | 8 | 2,666.61 | 8 | 2,322.48 |
| 1/4 | | 1/4 | 5,060.68 | 1/4 | 4,722.20 | 1/4 | 4,379.65 | 1/4 | 4,035.75 | 1/4 | 3,691.63 | 1/4 | 3,347.61 | 1/4 | 3,003.57 | 1/4 | 2,659.44 | 1/4 | 2,315.31 |
| 1/2 | | 1/2 | 5,054.49 | 1/2 | 4,715.06 | 1/2 | 4,372.51 | 1/2 | 4,028.58 | 1/2 | 3,684.46 | 1/2 | 3,340.44 | 1/2 | 2,996.40 | 1/2 | 2,652.27 | 1/2 | 2,308.14 |
| 3/4 | | 3/4 | 5,048.29 | 3/4 | 4,707.92 | 3/4 | 4,365.38 | 3/4 | 4,021.41 | 3/4 | 3,677.29 | 3/4 | 3,333.27 | 3/4 | 2,989.23 | 3/4 | 2,645.10 | 3/4 | 2,300.98 |
| 9 | | 9 | 5,042.10 | 9 | 4,700.79 | 9 | 4,358.24 | 9 | 4,014.24 | 9 | 3,670.13 | 9 | 3,326.11 | 9 | 2,982.06 | 9 | 2,637.93 | 9 | 2,293.81 |
| 1/4 | | 1/4 | 5,035.07 | 1/4 | 4,693.65 | 1/4 | 4,351.10 | 1/4 | 4,007.08 | 1/4 | 3,662.96 | 1/4 | 3,318.94 | 1/4 | 2,974.89 | 1/4 | 2,630.76 | 1/4 | 2,286.64 |
| 1/2 | | 1/2 | 5,028.05 | 1/2 | 4,686.51 | 1/2 | 4,343.97 | 1/2 | 3,999.91 | 1/2 | 3,655.79 | 1/2 | 3,311.77 | 1/2 | 2,967.72 | 1/2 | 2,623.59 | 1/2 | 2,279.47 |
| 3/4 | | 3/4 | 5,021.03 | 3/4 | 4,679.38 | 3/4 | 4,336.83 | 3/4 | 3,992.74 | 3/4 | 3,648.63 | 3/4 | 3,304.60 | 3/4 | 2,960.55 | 3/4 | 2,616.42 | 3/4 | 2,272.30 |
| 10 | | 10 | 5,014.01 | 10 | 4,672.24 | 10 | 4,329.69 | 10 | 3,985.57 | 10 | 3,641.46 | 10 | 3,297.44 | 10 | 2,953.38 | 10 | 2,609.26 | 10 | 2,265.13 |
| 1/4 | | 1/4 | 5,006.93 | 1/4 | 4,665.10 | 1/4 | 4,322.52 | 1/4 | 3,978.40 | 1/4 | 3,634.29 | 1/4 | 3,290.27 | 1/4 | 2,946.21 | 1/4 | 2,602.09 | 1/4 | 2,257.96 |
| 1/2 | | 1/2 | 4,999.85 | 1/2 | 4,657.97 | 1/2 | 4,315.35 | 1/2 | 3,971.23 | 1/2 | 3,627.12 | 1/2 | 3,283.10 | 1/2 | 2,939.04 | 1/2 | 2,594.92 | 1/2 | 2,250.79 |
| 3/4 | | 3/4 | 4,992.78 | 3/4 | 4,650.83 | 3/4 | 4,308.19 | 3/4 | 3,964.06 | 3/4 | 3,619.96 | 3/4 | 3,275.94 | 3/4 | 2,931.87 | 3/4 | 2,587.75 | 3/4 | 2,243.62 |
| 11 | | 11 | 4,985.70 | 11 | 4,643.70 | 11 | 4,301.02 | 11 | 3,956.89 | 11 | 3,612.79 | 11 | 3,268.77 | 11 | 2,924.70 | 11 | 2,580.58 | 11 | 2,236.45 |
| 1/4 | | 1/4 | 4,978.61 | 1/4 | 4,636.56 | 1/4 | 4,293.85 | 1/4 | 3,949.72 | 1/4 | 3,605.62 | 1/4 | 3,261.60 | 1/4 | 2,917.54 | 1/4 | 2,573.41 | 1/4 | 2,229.28 |
| 1/2 | | 1/2 | 4,971.52 | 1/2 | 4,629.42 | 1/2 | 4,286.68 | 1/2 | 3,942.55 | 1/2 | 3,598.46 | 1/2 | 3,254.43 | 1/2 | 2,910.37 | 1/2 | 2,566.24 | 1/2 | 2,222.11 |
| 3/4 | | 3/4 | 4,964.43 | 3/4 | 4,622.29 | 3/4 | 4,279.51 | 3/4 | 3,935.38 | 3/4 | 3,591.29 | 3/4 | 3,247.27 | 3/4 | 2,903.20 | 3/4 | 2,559.07 | 3/4 | 2,214.94 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.**
**GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 2 STBD

### ULLAGE TABLE
### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,207.77 | 0 | 1,863.65 | 0 | 1,519.52 | 0 | 1,175.40 | 0 | 831.77 | 0 | 487.66 | 0 | 143.55 | 0 | | 0 | | 0 | |
| 1/4 | 2,200.61 | 1/4 | 1,856.48 | 1/4 | 1,512.35 | 1/4 | 1,168.23 | 1/4 | 824.60 | 1/4 | 480.49 | 1/4 | 136.38 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,193.44 | 1/2 | 1,849.31 | 1/2 | 1,505.18 | 1/2 | 1,161.06 | 1/2 | 817.43 | 1/2 | 473.32 | 1/2 | 129.21 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,186.27 | 3/4 | 1,842.14 | 3/4 | 1,498.01 | 3/4 | 1,153.89 | 3/4 | 810.26 | 3/4 | 466.15 | 3/4 | 122.04 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,179.10 | 1 | 1,834.97 | 1 | 1,490.84 | 1 | 1,146.72 | 1 | 803.09 | 1 | 458.98 | 1 | 114.87 | 1 | | 1 | | 1 | |
| 1/4 | 2,171.93 | 1/4 | 1,827.80 | 1/4 | 1,483.68 | 1/4 | 1,139.55 | 1/4 | 795.92 | 1/4 | 451.81 | 1/4 | 107.72 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,164.76 | 1/2 | 1,820.63 | 1/2 | 1,476.51 | 1/2 | 1,132.38 | 1/2 | 788.76 | 1/2 | 444.64 | 1/2 | 100.56 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,157.59 | 3/4 | 1,813.46 | 3/4 | 1,469.34 | 3/4 | 1,125.21 | 3/4 | 781.59 | 3/4 | 437.47 | 3/4 | 93.40 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,150.42 | 2 | 1,806.29 | 2 | 1,462.17 | 2 | 1,118.04 | 2 | 774.42 | 2 | 430.31 | 2 | 86.24 | 2 | | 2 | | 2 | |
| 1/4 | 2,143.25 | 1/4 | 1,799.12 | 1/4 | 1,455.00 | 1/4 | 1,110.88 | 1/4 | 767.25 | 1/4 | 423.14 | 1/4 | 79.11 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,136.08 | 1/2 | 1,791.95 | 1/2 | 1,447.83 | 1/2 | 1,103.71 | 1/2 | 760.08 | 1/2 | 415.97 | 1/2 | 71.97 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,128.91 | 3/4 | 1,784.79 | 3/4 | 1,440.66 | 3/4 | 1,096.55 | 3/4 | 752.91 | 3/4 | 408.80 | 3/4 | 64.84 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,121.74 | 3 | 1,777.62 | 3 | 1,433.49 | 3 | 1,089.39 | 3 | 745.74 | 3 | 401.63 | 3 | 57.71 | 3 | | 3 | | 3 | |
| 1/4 | 2,114.57 | 1/4 | 1,770.45 | 1/4 | 1,426.32 | 1/4 | 1,082.23 | 1/4 | 738.57 | 1/4 | 394.46 | 1/4 | 51.44 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,107.40 | 1/2 | 1,763.28 | 1/2 | 1,419.15 | 1/2 | 1,075.08 | 1/2 | 731.40 | 1/2 | 387.29 | 1/2 | 45.17 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,100.23 | 3/4 | 1,756.11 | 3/4 | 1,411.98 | 3/4 | 1,067.92 | 3/4 | 724.23 | 3/4 | 380.12 | 3/4 | 38.90 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,093.07 | 4 | 1,748.94 | 4 | 1,404.81 | 4 | 1,060.77 | 4 | 717.07 | 4 | 372.95 | 4 | 32.62 | 4 | | 4 | | 4 | |
| 1/4 | 2,085.90 | 1/4 | 1,741.77 | 1/4 | 1,397.64 | 1/4 | 1,053.61 | 1/4 | 709.90 | 1/4 | 365.78 | 1/4 | 28.14 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,078.73 | 1/2 | 1,734.60 | 1/2 | 1,390.47 | 1/2 | 1,046.46 | 1/2 | 702.73 | 1/2 | 358.62 | 1/2 | 23.66 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,071.56 | 3/4 | 1,727.43 | 3/4 | 1,383.30 | 3/4 | 1,039.30 | 3/4 | 695.56 | 3/4 | 351.45 | 3/4 | 19.18 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,064.39 | 5 | 1,720.26 | 5 | 1,376.14 | 5 | 1,032.15 | 5 | 688.39 | 5 | 344.28 | 5 | 14.70 | 5 | | 5 | | 5 | |
| 1/4 | 2,057.22 | 1/4 | 1,713.09 | 1/4 | 1,368.97 | 1/4 | 1,024.99 | 1/4 | 681.22 | 1/4 | 337.11 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,050.05 | 1/2 | 1,705.92 | 1/2 | 1,361.80 | 1/2 | 1,017.84 | 1/2 | 674.05 | 1/2 | 329.94 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,042.88 | 3/4 | 1,698.75 | 3/4 | 1,354.63 | 3/4 | 1,010.68 | 3/4 | 666.88 | 3/4 | 322.77 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,035.71 | 6 | 1,691.58 | 6 | 1,347.46 | 6 | 1,003.53 | 6 | 659.71 | 6 | 315.60 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 2,028.54 | 1/4 | 1,684.42 | 1/4 | 1,340.29 | 1/4 | 996.37 | 1/4 | 652.54 | 1/4 | 308.43 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,021.37 | 1/2 | 1,677.25 | 1/2 | 1,333.12 | 1/2 | 989.21 | 1/2 | 645.38 | 1/2 | 301.26 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,014.20 | 3/4 | 1,670.08 | 3/4 | 1,325.95 | 3/4 | 982.06 | 3/4 | 638.21 | 3/4 | 294.09 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,007.03 | 7 | 1,662.91 | 7 | 1,318.78 | 7 | 974.90 | 7 | 631.04 | 7 | 286.93 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,999.86 | 1/4 | 1,655.74 | 1/4 | 1,311.61 | 1/4 | 967.75 | 1/4 | 623.87 | 1/4 | 279.76 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,992.70 | 1/2 | 1,648.57 | 1/2 | 1,304.44 | 1/2 | 960.59 | 1/2 | 616.70 | 1/2 | 272.59 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,985.53 | 3/4 | 1,641.40 | 3/4 | 1,297.27 | 3/4 | 953.44 | 3/4 | 609.53 | 3/4 | 265.42 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,978.36 | 8 | 1,634.23 | 8 | 1,290.10 | 8 | 946.28 | 8 | 602.36 | 8 | 258.25 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,971.19 | 1/4 | 1,627.06 | 1/4 | 1,282.93 | 1/4 | 939.13 | 1/4 | 595.19 | 1/4 | 251.08 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,964.02 | 1/2 | 1,619.89 | 1/2 | 1,275.77 | 1/2 | 931.97 | 1/2 | 588.02 | 1/2 | 243.91 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,956.85 | 3/4 | 1,612.72 | 3/4 | 1,268.60 | 3/4 | 924.82 | 3/4 | 580.85 | 3/4 | 236.74 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,949.68 | 9 | 1,605.55 | 9 | 1,261.43 | 9 | 917.66 | 9 | 573.69 | 9 | 229.57 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,942.51 | 1/4 | 1,598.38 | 1/4 | 1,254.26 | 1/4 | 910.51 | 1/4 | 566.52 | 1/4 | 222.40 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,935.34 | 1/2 | 1,591.21 | 1/2 | 1,247.09 | 1/2 | 903.35 | 1/2 | 559.35 | 1/2 | 215.24 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,928.17 | 3/4 | 1,584.05 | 3/4 | 1,239.92 | 3/4 | 896.20 | 3/4 | 552.18 | 3/4 | 208.07 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,921.00 | 10 | 1,576.88 | 10 | 1,232.75 | 10 | 889.04 | 10 | 545.01 | 10 | 200.90 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,913.83 | 1/4 | 1,569.71 | 1/4 | 1,225.58 | 1/4 | 881.89 | 1/4 | 537.84 | 1/4 | 193.73 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,906.66 | 1/2 | 1,562.54 | 1/2 | 1,218.41 | 1/2 | 874.73 | 1/2 | 530.67 | 1/2 | 186.56 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,899.49 | 3/4 | 1,555.37 | 3/4 | 1,211.24 | 3/4 | 867.58 | 3/4 | 523.50 | 3/4 | 179.39 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,892.33 | 11 | 1,548.20 | 11 | 1,204.07 | 11 | 860.42 | 11 | 516.33 | 11 | 172.22 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,885.16 | 1/4 | 1,541.03 | 1/4 | 1,196.90 | 1/4 | 853.26 | 1/4 | 509.16 | 1/4 | 165.05 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,877.99 | 1/2 | 1,533.86 | 1/2 | 1,189.73 | 1/2 | 846.10 | 1/2 | 502.00 | 1/2 | 157.88 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,870.82 | 3/4 | 1,526.69 | 3/4 | 1,182.56 | 3/4 | 838.93 | 3/4 | 494.83 | 3/4 | 150.71 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 3 PORT

### ULLAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 16'-04 3/4"**

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | 0 | | 0 | 4,301.82 | 0 | 4,093.08 | 0 | 3,883.97 | 0 | 3,674.12 | 0 | 3,464.54 | 0 | 3,197.99 | 0 | 2,856.33 | 0 | 2,514.59 |
| 1/4 | | 1/4 | | 1/4 | 4,297.50 | 1/4 | 4,088.73 | 1/4 | 3,879.60 | 1/4 | 3,669.75 | 1/4 | 3,460.18 | 1/4 | 3,190.89 | 1/4 | 2,849.21 | 1/4 | 2,507.47 |
| 1/2 | | 1/2 | | 1/2 | 4,293.17 | 1/2 | 4,084.37 | 1/2 | 3,875.23 | 1/2 | 3,665.38 | 1/2 | 3,455.83 | 1/2 | 3,183.79 | 1/2 | 2,842.09 | 1/2 | 2,500.35 |
| 3/4 | | 3/4 | | 3/4 | 4,288.85 | 3/4 | 4,080.02 | 3/4 | 3,870.86 | 3/4 | 3,661.01 | 3/4 | 3,451.47 | 3/4 | 3,176.69 | 3/4 | 2,834.97 | 3/4 | 2,493.23 |
| 1 | | 1 | | 1 | 4,284.52 | 1 | 4,075.67 | 1 | 3,866.48 | 1 | 3,656.63 | 1 | 3,447.11 | 1 | 3,169.59 | 1 | 2,827.85 | 1 | 2,486.11 |
| 1/4 | | 1/4 | | 1/4 | 4,280.19 | 1/4 | 4,071.31 | 1/4 | 3,862.11 | 1/4 | 3,652.26 | 1/4 | 3,442.76 | 1/4 | 3,162.49 | 1/4 | 2,820.73 | 1/4 | 2,478.99 |
| 1/2 | | 1/2 | | 1/2 | 4,275.87 | 1/2 | 4,066.96 | 1/2 | 3,857.74 | 1/2 | 3,647.89 | 1/2 | 3,438.40 | 1/2 | 3,155.40 | 1/2 | 2,813.61 | 1/2 | 2,471.87 |
| 3/4 | | 3/4 | | 3/4 | 4,271.54 | 3/4 | 4,062.61 | 3/4 | 3,853.37 | 3/4 | 3,643.52 | 3/4 | 3,434.05 | 3/4 | 3,148.30 | 3/4 | 2,806.49 | 3/4 | 2,464.75 |
| 2 | | 2 | | 2 | 4,267.19 | 2 | 4,058.26 | 2 | 3,849.00 | 2 | 3,639.15 | 2 | 3,429.69 | 2 | 3,141.20 | 2 | 2,799.37 | 2 | 2,457.63 |
| 1/4 | | 1/4 | | 1/4 | 4,262.84 | 1/4 | 4,053.90 | 1/4 | 3,844.63 | 1/4 | 3,634.77 | 1/4 | 3,425.33 | 1/4 | 3,134.10 | 1/4 | 2,792.25 | 1/4 | 2,450.51 |
| 1/2 | | 1/2 | | 1/2 | 4,258.48 | 1/2 | 4,049.55 | 1/2 | 3,840.25 | 1/2 | 3,630.40 | 1/2 | 3,420.98 | 1/2 | 3,127.00 | 1/2 | 2,785.13 | 1/2 | 2,443.39 |
| 3/4 | | 3/4 | | 3/4 | 4,254.13 | 3/4 | 4,045.20 | 3/4 | 3,835.88 | 3/4 | 3,626.03 | 3/4 | 3,416.62 | 3/4 | 3,119.90 | 3/4 | 2,778.01 | 3/4 | 2,436.27 |
| 3 | | 3 | | 3 | 4,249.78 | 3 | 4,040.84 | 3 | 3,831.51 | 3 | 3,621.66 | 3 | 3,412.27 | 3 | 3,112.79 | 3 | 2,770.90 | 3 | 2,429.14 |
| 1/4 | | 1/4 | | 1/4 | 4,245.43 | 1/4 | 4,036.49 | 1/4 | 3,827.14 | 1/4 | 3,617.29 | 1/4 | 3,407.91 | 1/4 | 3,105.67 | 1/4 | 2,763.78 | 1/4 | 2,422.02 |
| 1/2 | | 1/2 | | 1/2 | 4,241.07 | 1/2 | 4,032.14 | 1/2 | 3,822.77 | 1/2 | 3,612.91 | 1/2 | 3,403.55 | 1/2 | 3,098.56 | 1/2 | 2,756.66 | 1/2 | 2,414.90 |
| 3/4 | | 3/4 | | 3/4 | 4,236.72 | 3/4 | 4,027.79 | 3/4 | 3,818.39 | 3/4 | 3,608.54 | 3/4 | 3,399.20 | 3/4 | 3,091.44 | 3/4 | 2,749.54 | 3/4 | 2,407.78 |
| 4 | | 4 | | 4 | 4,232.37 | 4 | 4,023.43 | 4 | 3,814.02 | 4 | 3,604.17 | 4 | 3,394.84 | 4 | 3,084.32 | 4 | 2,742.42 | 4 | 2,400.66 |
| 1/4 | | 1/4 | | 1/4 | 4,228.02 | 1/4 | 4,019.08 | 1/4 | 3,809.65 | 1/4 | 3,599.80 | 1/4 | 3,390.48 | 1/4 | 3,077.21 | 1/4 | 2,735.30 | 1/4 | 2,393.54 |
| 1/2 | | 1/2 | | 1/2 | 4,223.66 | 1/2 | 4,014.73 | 1/2 | 3,805.28 | 1/2 | 3,595.43 | 1/2 | 3,386.13 | 1/2 | 3,070.09 | 1/2 | 2,728.18 | 1/2 | 2,386.42 |
| 3/4 | | 3/4 | | 3/4 | 4,219.31 | 3/4 | 4,010.38 | 3/4 | 3,800.91 | 3/4 | 3,591.05 | 3/4 | 3,381.77 | 3/4 | 3,062.98 | 3/4 | 2,721.06 | 3/4 | 2,379.30 |
| 5 | | 5 | | 5 | 4,214.96 | 5 | 4,006.02 | 5 | 3,796.53 | 5 | 3,586.68 | 5 | 3,377.43 | 5 | 3,055.86 | 5 | 2,713.94 | 5 | 2,372.18 |
| 1/4 | | 1/4 | | 1/4 | 4,210.60 | 1/4 | 4,001.67 | 1/4 | 3,792.16 | 1/4 | 3,582.31 | 1/4 | 3,373.10 | 1/4 | 3,048.75 | 1/4 | 2,706.82 | 1/4 | 2,365.06 |
| 1/2 | | 1/2 | | 1/2 | 4,206.25 | 1/2 | 3,997.32 | 1/2 | 3,787.79 | 1/2 | 3,577.94 | 1/2 | 3,368.76 | 1/2 | 3,041.63 | 1/2 | 2,699.70 | 1/2 | 2,357.94 |
| 3/4 | | 3/4 | 4,387.25 | 3/4 | 4,201.90 | 3/4 | 3,992.96 | 3/4 | 3,783.42 | 3/4 | 3,573.57 | 3/4 | 3,364.42 | 3/4 | 3,034.51 | 3/4 | 2,692.58 | 3/4 | 2,350.82 |
| 6 | | 6 | 4,385.54 | 6 | 4,197.55 | 6 | 3,988.61 | 6 | 3,779.05 | 6 | 3,569.20 | 6 | 3,360.08 | 6 | 3,027.38 | 6 | 2,685.46 | 6 | 2,343.70 |
| 1/4 | | 1/4 | 4,383.83 | 1/4 | 4,193.19 | 1/4 | 3,984.26 | 1/4 | 3,774.67 | 1/4 | 3,564.82 | 1/4 | 3,355.75 | 1/4 | 3,020.25 | 1/4 | 2,678.34 | 1/4 | 2,336.58 |
| 1/2 | | 1/2 | 4,382.13 | 1/2 | 4,188.84 | 1/2 | 3,979.91 | 1/2 | 3,770.30 | 1/2 | 3,560.45 | 1/2 | 3,351.41 | 1/2 | 3,013.12 | 1/2 | 2,671.22 | 1/2 | 2,329.45 |
| 3/4 | | 3/4 | 4,380.42 | 3/4 | 4,184.49 | 3/4 | 3,975.55 | 3/4 | 3,765.93 | 3/4 | 3,556.08 | 3/4 | 3,347.07 | 3/4 | 3,005.99 | 3/4 | 2,664.10 | 3/4 | 2,322.33 |
| 7 | | 7 | 4,378.17 | 7 | 4,180.13 | 7 | 3,971.20 | 7 | 3,761.56 | 7 | 3,551.71 | 7 | 3,339.97 | 7 | 2,998.86 | 7 | 2,656.98 | 7 | 2,315.21 |
| 1/4 | | 1/4 | 4,375.93 | 1/4 | 4,175.78 | 1/4 | 3,966.85 | 1/4 | 3,757.19 | 1/4 | 3,547.34 | 1/4 | 3,332.87 | 1/4 | 2,991.72 | 1/4 | 2,649.86 | 1/4 | 2,308.09 |
| 1/2 | | 1/2 | 4,373.68 | 1/2 | 4,171.43 | 1/2 | 3,962.49 | 1/2 | 3,752.82 | 1/2 | 3,542.96 | 1/2 | 3,325.77 | 1/2 | 2,984.59 | 1/2 | 2,642.74 | 1/2 | 2,300.97 |
| 3/4 | | 3/4 | 4,371.44 | 3/4 | 4,167.08 | 3/4 | 3,958.14 | 3/4 | 3,748.44 | 3/4 | 3,538.59 | 3/4 | 3,318.67 | 3/4 | 2,977.46 | 3/4 | 2,635.62 | 3/4 | 2,293.85 |
| 8 | | 8 | 4,368.01 | 8 | 4,162.72 | 8 | 3,953.79 | 8 | 3,744.07 | 8 | 3,534.24 | 8 | 3,311.57 | 8 | 2,970.33 | 8 | 2,628.50 | 8 | 2,286.73 |
| 1/4 | | 1/4 | 4,364.57 | 1/4 | 4,158.37 | 1/4 | 3,949.44 | 1/4 | 3,739.70 | 1/4 | 3,529.88 | 1/4 | 3,304.47 | 1/4 | 2,963.20 | 1/4 | 2,621.38 | 1/4 | 2,279.61 |
| 1/2 | | 1/2 | 4,361.14 | 1/2 | 4,154.02 | 1/2 | 3,945.08 | 1/2 | 3,735.33 | 1/2 | 3,525.52 | 1/2 | 3,297.37 | 1/2 | 2,956.07 | 1/2 | 2,614.26 | 1/2 | 2,272.49 |
| 3/4 | | 3/4 | 4,357.71 | 3/4 | 4,149.66 | 3/4 | 3,940.73 | 3/4 | 3,730.96 | 3/4 | 3,521.17 | 3/4 | 3,290.27 | 3/4 | 2,948.93 | 3/4 | 2,607.14 | 3/4 | 2,265.37 |
| 9 | | 9 | 4,353.45 | 9 | 4,145.31 | 9 | 3,936.38 | 9 | 3,726.58 | 9 | 3,516.81 | 9 | 3,283.17 | 9 | 2,941.80 | 9 | 2,600.02 | 9 | 2,258.25 |
| 1/4 | | 1/4 | 4,349.19 | 1/4 | 4,140.96 | 1/4 | 3,932.02 | 1/4 | 3,722.21 | 1/4 | 3,512.46 | 1/4 | 3,276.07 | 1/4 | 2,934.67 | 1/4 | 2,592.91 | 1/4 | 2,251.13 |
| 1/2 | | 1/2 | 4,344.94 | 1/2 | 4,136.61 | 1/2 | 3,927.67 | 1/2 | 3,717.84 | 1/2 | 3,508.10 | 1/2 | 3,268.97 | 1/2 | 2,927.54 | 1/2 | 2,585.79 | 1/2 | 2,244.01 |
| 3/4 | | 3/4 | 4,340.68 | 3/4 | 4,132.25 | 3/4 | 3,923.32 | 3/4 | 3,713.47 | 3/4 | 3,503.74 | 3/4 | 3,261.87 | 3/4 | 2,920.41 | 3/4 | 2,578.67 | 3/4 | 2,236.89 |
| 10 | | 10 | 4,336.37 | 10 | 4,127.90 | 10 | 3,918.95 | 10 | 3,709.10 | 10 | 3,499.39 | 10 | 3,254.77 | 10 | 2,913.29 | 10 | 2,571.55 | 10 | 2,229.76 |
| 1/4 | | 1/4 | 4,332.06 | 1/4 | 4,123.55 | 1/4 | 3,914.58 | 1/4 | 3,704.72 | 1/4 | 3,495.03 | 1/4 | 3,247.67 | 1/4 | 2,906.17 | 1/4 | 2,564.43 | 1/4 | 2,222.64 |
| 1/2 | | 1/2 | 4,327.75 | 1/2 | 4,119.20 | 1/2 | 3,910.20 | 1/2 | 3,700.35 | 1/2 | 3,490.67 | 1/2 | 3,240.58 | 1/2 | 2,899.05 | 1/2 | 2,557.31 | 1/2 | 2,215.52 |
| 3/4 | | 3/4 | 4,323.44 | 3/4 | 4,114.84 | 3/4 | 3,905.83 | 3/4 | 3,695.98 | 3/4 | 3,486.32 | 3/4 | 3,233.48 | 3/4 | 2,891.93 | 3/4 | 2,550.19 | 3/4 | 2,208.40 |
| 11 | | 11 | 4,319.11 | 11 | 4,110.49 | 11 | 3,901.46 | 11 | 3,691.61 | 11 | 3,481.96 | 11 | 3,226.38 | 11 | 2,884.81 | 11 | 2,543.07 | 11 | 2,201.28 |
| 1/4 | | 1/4 | 4,314.79 | 1/4 | 4,106.14 | 1/4 | 3,897.09 | 1/4 | 3,687.24 | 1/4 | 3,477.61 | 1/4 | 3,219.28 | 1/4 | 2,877.69 | 1/4 | 2,535.95 | 1/4 | 2,194.16 |
| 1/2 | | 1/2 | 4,310.47 | 1/2 | 4,101.78 | 1/2 | 3,892.72 | 1/2 | 3,682.86 | 1/2 | 3,473.25 | 1/2 | 3,212.18 | 1/2 | 2,870.57 | 1/2 | 2,528.83 | 1/2 | 2,187.04 |
| 3/4 | | 3/4 | 4,306.15 | 3/4 | 4,097.43 | 3/4 | 3,888.34 | 3/4 | 3,678.49 | 3/4 | 3,468.89 | 3/4 | 3,205.08 | 3/4 | 2,863.45 | 3/4 | 2,521.71 | 3/4 | 2,179.92 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.**
**GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 3 PORT

### ULLAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,172.80 | 0 | 1,831.01 | 0 | 1,489.21 | 0 | 1,147.42 | 0 | 819.10 | 0 | 477.95 | 0 | 135.71 | 0 | | 0 | | 0 | |
| 1/4 | 2,165.68 | 1/4 | 1,823.89 | 1/4 | 1,482.09 | 1/4 | 1,140.30 | 1/4 | 812.22 | 1/4 | 470.82 | 1/4 | 128.58 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,158.56 | 1/2 | 1,816.76 | 1/2 | 1,474.97 | 1/2 | 1,133.18 | 1/2 | 805.33 | 1/2 | 463.70 | 1/2 | 121.44 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,151.44 | 3/4 | 1,809.64 | 3/4 | 1,467.85 | 3/4 | 1,126.06 | 3/4 | 798.44 | 3/4 | 456.58 | 3/4 | 114.31 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,144.32 | 1 | 1,802.52 | 1 | 1,460.73 | 1 | 1,119.17 | 1 | 791.31 | 1 | 449.46 | 1 | 107.19 | 1 | | 1 | | 1 | |
| 1/4 | 2,137.20 | 1/4 | 1,795.40 | 1/4 | 1,453.61 | 1/4 | 1,112.28 | 1/4 | 784.19 | 1/4 | 442.34 | 1/4 | 100.07 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,130.08 | 1/2 | 1,788.28 | 1/2 | 1,446.49 | 1/2 | 1,105.39 | 1/2 | 777.07 | 1/2 | 435.21 | 1/2 | 92.94 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,122.95 | 3/4 | 1,781.16 | 3/4 | 1,439.37 | 3/4 | 1,098.50 | 3/4 | 769.95 | 3/4 | 428.09 | 3/4 | 85.82 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,115.83 | 2 | 1,774.04 | 2 | 1,432.25 | 2 | 1,091.68 | 2 | 762.83 | 2 | 420.97 | 2 | 78.72 | 2 | | 2 | | 2 | |
| 1/4 | 2,108.71 | 1/4 | 1,766.92 | 1/4 | 1,425.13 | 1/4 | 1,084.86 | 1/4 | 755.70 | 1/4 | 413.85 | 1/4 | 71.62 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,101.59 | 1/2 | 1,759.80 | 1/2 | 1,418.01 | 1/2 | 1,078.04 | 1/2 | 748.58 | 1/2 | 406.73 | 1/2 | 64.53 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,094.47 | 3/4 | 1,752.68 | 3/4 | 1,410.88 | 3/4 | 1,071.22 | 3/4 | 741.46 | 3/4 | 399.60 | 3/4 | 57.43 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,087.35 | 3 | 1,745.56 | 3 | 1,403.76 | 3 | 1,064.41 | 3 | 734.34 | 3 | 392.48 | 3 | 51.19 | 3 | | 3 | | 3 | |
| 1/4 | 2,080.23 | 1/4 | 1,738.44 | 1/4 | 1,396.64 | 1/4 | 1,057.60 | 1/4 | 727.22 | 1/4 | 385.36 | 1/4 | 44.95 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,073.11 | 1/2 | 1,731.32 | 1/2 | 1,389.52 | 1/2 | 1,050.79 | 1/2 | 720.09 | 1/2 | 378.24 | 1/2 | 38.71 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,065.99 | 3/4 | 1,724.20 | 3/4 | 1,382.40 | 3/4 | 1,043.98 | 3/4 | 712.97 | 3/4 | 371.12 | 3/4 | 32.47 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,058.87 | 4 | 1,717.07 | 4 | 1,375.28 | 4 | 1,037.17 | 4 | 705.85 | 4 | 363.98 | 4 | 28.01 | 4 | | 4 | | 4 | |
| 1/4 | 2,051.75 | 1/4 | 1,709.95 | 1/4 | 1,368.16 | 1/4 | 1,030.36 | 1/4 | 698.73 | 1/4 | 356.85 | 1/4 | 23.55 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,044.63 | 1/2 | 1,702.83 | 1/2 | 1,361.04 | 1/2 | 1,023.54 | 1/2 | 691.61 | 1/2 | 349.71 | 1/2 | 19.09 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,037.51 | 3/4 | 1,695.71 | 3/4 | 1,353.92 | 3/4 | 1,016.73 | 3/4 | 684.48 | 3/4 | 342.58 | 3/4 | 14.63 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,030.39 | 5 | 1,688.59 | 5 | 1,346.80 | 5 | 1,009.92 | 5 | 677.36 | 5 | 335.45 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 2,023.26 | 1/4 | 1,681.47 | 1/4 | 1,339.68 | 1/4 | 1,003.11 | 1/4 | 670.24 | 1/4 | 328.31 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,016.14 | 1/2 | 1,674.35 | 1/2 | 1,332.56 | 1/2 | 996.30 | 1/2 | 663.12 | 1/2 | 321.18 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,009.02 | 3/4 | 1,667.23 | 3/4 | 1,325.44 | 3/4 | 989.49 | 3/4 | 656.00 | 3/4 | 314.05 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,001.90 | 6 | 1,660.11 | 6 | 1,318.32 | 6 | 982.68 | 6 | 648.87 | 6 | 306.91 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,994.78 | 1/4 | 1,652.99 | 1/4 | 1,311.19 | 1/4 | 975.87 | 1/4 | 641.75 | 1/4 | 299.78 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,987.66 | 1/2 | 1,645.87 | 1/2 | 1,304.07 | 1/2 | 969.06 | 1/2 | 634.63 | 1/2 | 292.65 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,980.54 | 3/4 | 1,638.75 | 3/4 | 1,296.95 | 3/4 | 962.24 | 3/4 | 627.51 | 3/4 | 285.51 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,973.42 | 7 | 1,631.63 | 7 | 1,289.83 | 7 | 955.43 | 7 | 620.39 | 7 | 278.38 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,966.30 | 1/4 | 1,624.51 | 1/4 | 1,282.71 | 1/4 | 948.62 | 1/4 | 613.26 | 1/4 | 271.25 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,959.18 | 1/2 | 1,617.38 | 1/2 | 1,275.59 | 1/2 | 941.81 | 1/2 | 606.14 | 1/2 | 264.11 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,952.06 | 3/4 | 1,610.26 | 3/4 | 1,268.47 | 3/4 | 935.00 | 3/4 | 599.02 | 3/4 | 256.98 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,944.94 | 8 | 1,603.14 | 8 | 1,261.35 | 8 | 928.19 | 8 | 591.90 | 8 | 249.84 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,937.82 | 1/4 | 1,596.02 | 1/4 | 1,254.23 | 1/4 | 921.38 | 1/4 | 584.78 | 1/4 | 242.71 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,930.70 | 1/2 | 1,588.90 | 1/2 | 1,247.11 | 1/2 | 914.57 | 1/2 | 577.65 | 1/2 | 235.58 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,923.57 | 3/4 | 1,581.78 | 3/4 | 1,239.99 | 3/4 | 907.76 | 3/4 | 570.53 | 3/4 | 228.44 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,916.45 | 9 | 1,574.66 | 9 | 1,232.87 | 9 | 900.95 | 9 | 563.41 | 9 | 221.31 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,909.33 | 1/4 | 1,567.54 | 1/4 | 1,225.75 | 1/4 | 894.14 | 1/4 | 556.29 | 1/4 | 214.18 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,902.21 | 1/2 | 1,560.42 | 1/2 | 1,218.63 | 1/2 | 887.32 | 1/2 | 549.17 | 1/2 | 207.04 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,895.09 | 3/4 | 1,553.30 | 3/4 | 1,211.50 | 3/4 | 880.51 | 3/4 | 542.04 | 3/4 | 199.91 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,887.97 | 10 | 1,546.18 | 10 | 1,204.38 | 10 | 873.70 | 10 | 534.92 | 10 | 192.78 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,880.85 | 1/4 | 1,539.06 | 1/4 | 1,197.26 | 1/4 | 866.89 | 1/4 | 527.80 | 1/4 | 185.64 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,873.73 | 1/2 | 1,531.94 | 1/2 | 1,190.14 | 1/2 | 860.08 | 1/2 | 520.68 | 1/2 | 178.51 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,866.61 | 3/4 | 1,524.82 | 3/4 | 1,183.02 | 3/4 | 853.27 | 3/4 | 513.56 | 3/4 | 171.37 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,859.49 | 11 | 1,517.69 | 11 | 1,175.90 | 11 | 846.45 | 11 | 506.43 | 11 | 164.24 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,852.37 | 1/4 | 1,510.57 | 1/4 | 1,168.78 | 1/4 | 839.63 | 1/4 | 499.31 | 1/4 | 157.11 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,845.25 | 1/2 | 1,503.45 | 1/2 | 1,161.66 | 1/2 | 832.81 | 1/2 | 492.19 | 1/2 | 149.97 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,838.13 | 3/4 | 1,496.33 | 3/4 | 1,154.54 | 3/4 | 825.99 | 3/4 | 485.07 | 3/4 | 142.84 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 3 STBD

### ULLAGE TABLE

### HERMETIC

GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | 0 | | 0 | 4,311.70 | 0 | 4,103.46 | 0 | 3,894.85 | 0 | 3,685.48 | 0 | 3,476.11 | 0 | 3,212.72 | 0 | 2,872.41 | 0 | 2,531.64 |
| 1/4 | | 1/4 | | 1/4 | 4,307.39 | 1/4 | 4,099.12 | 1/4 | 3,890.49 | 1/4 | 3,681.12 | 1/4 | 3,471.75 | 1/4 | 3,205.64 | 1/4 | 2,865.31 | 1/4 | 2,524.53 |
| 1/2 | | 1/2 | | 1/2 | 4,303.07 | 1/2 | 4,094.78 | 1/2 | 3,886.13 | 1/2 | 3,676.75 | 1/2 | 3,467.38 | 1/2 | 3,198.57 | 1/2 | 2,858.22 | 1/2 | 2,517.42 |
| 3/4 | | 3/4 | | 3/4 | 4,298.76 | 3/4 | 4,090.44 | 3/4 | 3,881.76 | 3/4 | 3,672.39 | 3/4 | 3,463.02 | 3/4 | 3,191.49 | 3/4 | 2,851.12 | 3/4 | 2,510.30 |
| 1 | | 1 | | 1 | 4,294.44 | 1 | 4,086.09 | 1 | 3,877.40 | 1 | 3,668.03 | 1 | 3,458.66 | 1 | 3,184.41 | 1 | 2,844.03 | 1 | 2,503.19 |
| 1/4 | | 1/4 | | 1/4 | 4,290.13 | 1/4 | 4,081.75 | 1/4 | 3,873.04 | 1/4 | 3,663.67 | 1/4 | 3,454.30 | 1/4 | 3,177.33 | 1/4 | 2,836.93 | 1/4 | 2,496.07 |
| 1/2 | | 1/2 | | 1/2 | 4,285.81 | 1/2 | 4,077.41 | 1/2 | 3,868.68 | 1/2 | 3,659.31 | 1/2 | 3,449.94 | 1/2 | 3,170.26 | 1/2 | 2,829.84 | 1/2 | 2,488.96 |
| 3/4 | | 3/4 | | 3/4 | 4,281.50 | 3/4 | 4,073.06 | 3/4 | 3,864.32 | 3/4 | 3,654.95 | 3/4 | 3,445.57 | 3/4 | 3,163.18 | 3/4 | 2,822.75 | 3/4 | 2,481.85 |
| 2 | | 2 | | 2 | 4,277.18 | 2 | 4,068.72 | 2 | 3,859.95 | 2 | 3,650.58 | 2 | 3,441.21 | 2 | 3,156.10 | 2 | 2,815.65 | 2 | 2,474.74 |
| 1/4 | | 1/4 | | 1/4 | 4,272.84 | 1/4 | 4,064.38 | 1/4 | 3,855.59 | 1/4 | 3,646.22 | 1/4 | 3,436.85 | 1/4 | 3,149.03 | 1/4 | 2,808.56 | 1/4 | 2,467.63 |
| 1/2 | | 1/2 | | 1/2 | 4,268.50 | 1/2 | 4,060.03 | 1/2 | 3,851.23 | 1/2 | 3,641.86 | 1/2 | 3,432.49 | 1/2 | 3,141.95 | 1/2 | 2,801.46 | 1/2 | 2,460.51 |
| 3/4 | | 3/4 | | 3/4 | 4,264.16 | 3/4 | 4,055.69 | 3/4 | 3,846.87 | 3/4 | 3,637.50 | 3/4 | 3,428.13 | 3/4 | 3,134.87 | 3/4 | 2,794.37 | 3/4 | 2,453.40 |
| 3 | | 3 | | 3 | 4,259.81 | 3 | 4,051.35 | 3 | 3,842.51 | 3 | 3,633.14 | 3 | 3,423.76 | 3 | 3,127.80 | 3 | 2,787.27 | 3 | 2,446.29 |
| 1/4 | | 1/4 | | 1/4 | 4,255.47 | 1/4 | 4,047.01 | 1/4 | 3,838.14 | 1/4 | 3,628.77 | 1/4 | 3,419.40 | 1/4 | 3,120.70 | 1/4 | 2,780.18 | 1/4 | 2,439.18 |
| 1/2 | | 1/2 | | 1/2 | 4,251.13 | 1/2 | 4,042.66 | 1/2 | 3,833.78 | 1/2 | 3,624.41 | 1/2 | 3,415.04 | 1/2 | 3,113.61 | 1/2 | 2,773.09 | 1/2 | 2,432.06 |
| 3/4 | | 3/4 | | 3/4 | 4,246.78 | 3/4 | 4,038.32 | 3/4 | 3,829.42 | 3/4 | 3,620.05 | 3/4 | 3,410.68 | 3/4 | 3,106.51 | 3/4 | 2,765.99 | 3/4 | 2,424.95 |
| 4 | | 4 | | 4 | 4,242.44 | 4 | 4,033.98 | 4 | 3,825.06 | 4 | 3,615.69 | 4 | 3,406.32 | 4 | 3,099.42 | 4 | 2,758.90 | 4 | 2,417.84 |
| 1/4 | | 1/4 | | 1/4 | 4,238.10 | 1/4 | 4,029.63 | 1/4 | 3,820.70 | 1/4 | 3,611.33 | 1/4 | 3,401.95 | 1/4 | 3,092.33 | 1/4 | 2,751.80 | 1/4 | 2,410.73 |
| 1/2 | | 1/2 | | 1/2 | 4,233.75 | 1/2 | 4,025.29 | 1/2 | 3,816.34 | 1/2 | 3,606.96 | 1/2 | 3,397.59 | 1/2 | 3,085.23 | 1/2 | 2,744.71 | 1/2 | 2,403.61 |
| 3/4 | | 3/4 | | 3/4 | 4,229.41 | 3/4 | 4,020.95 | 3/4 | 3,811.97 | 3/4 | 3,602.60 | 3/4 | 3,393.23 | 3/4 | 3,078.14 | 3/4 | 2,737.62 | 3/4 | 2,396.50 |
| 5 | | 5 | | 5 | 4,225.07 | 5 | 4,016.60 | 5 | 3,807.61 | 5 | 3,598.24 | 5 | 3,388.87 | 5 | 3,071.04 | 5 | 2,730.52 | 5 | 2,389.39 |
| 1/4 | | 1/4 | | 1/4 | 4,220.73 | 1/4 | 4,012.26 | 1/4 | 3,803.25 | 1/4 | 3,593.88 | 1/4 | 3,384.54 | 1/4 | 3,063.95 | 1/4 | 2,723.43 | 1/4 | 2,382.28 |
| 1/2 | | 1/2 | | 1/2 | 4,216.38 | 1/2 | 4,007.92 | 1/2 | 3,798.89 | 1/2 | 3,589.52 | 1/2 | 3,380.22 | 1/2 | 3,056.85 | 1/2 | 2,716.33 | 1/2 | 2,375.17 |
| 3/4 | | 3/4 | | 3/4 | 4,212.04 | 3/4 | 4,003.58 | 3/4 | 3,794.53 | 3/4 | 3,585.15 | 3/4 | 3,375.89 | 3/4 | 3,049.76 | 3/4 | 2,709.24 | 3/4 | 2,368.05 |
| 6 | | 6 | 4,392.63 | 6 | 4,207.70 | 6 | 3,999.23 | 6 | 3,790.16 | 6 | 3,580.79 | 6 | 3,371.56 | 6 | 3,042.67 | 6 | 2,702.14 | 6 | 2,360.94 |
| 1/4 | | 1/4 | 4,390.93 | 1/4 | 4,203.35 | 1/4 | 3,994.89 | 1/4 | 3,785.80 | 1/4 | 3,576.43 | 1/4 | 3,367.24 | 1/4 | 3,035.57 | 1/4 | 2,695.05 | 1/4 | 2,353.83 |
| 1/2 | | 1/2 | 4,389.22 | 1/2 | 4,199.01 | 1/2 | 3,990.55 | 1/2 | 3,781.44 | 1/2 | 3,572.07 | 1/2 | 3,362.91 | 1/2 | 3,028.48 | 1/2 | 2,687.96 | 1/2 | 2,346.72 |
| 3/4 | | 3/4 | 4,387.52 | 3/4 | 4,194.67 | 3/4 | 3,986.20 | 3/4 | 3,777.08 | 3/4 | 3,567.71 | 3/4 | 3,358.58 | 3/4 | 3,021.38 | 3/4 | 2,680.86 | 3/4 | 2,339.60 |
| 7 | | 7 | 4,385.81 | 7 | 4,190.32 | 7 | 3,981.86 | 7 | 3,772.72 | 7 | 3,563.35 | 7 | 3,354.26 | 7 | 3,014.29 | 7 | 2,673.77 | 7 | 2,332.49 |
| 1/4 | | 1/4 | 4,383.57 | 1/4 | 4,185.98 | 1/4 | 3,977.52 | 1/4 | 3,768.35 | 1/4 | 3,558.98 | 1/4 | 3,347.18 | 1/4 | 3,007.20 | 1/4 | 2,666.67 | 1/4 | 2,325.38 |
| 1/2 | | 1/2 | 4,381.33 | 1/2 | 4,181.64 | 1/2 | 3,973.17 | 1/2 | 3,763.99 | 1/2 | 3,554.62 | 1/2 | 3,340.10 | 1/2 | 3,000.10 | 1/2 | 2,659.58 | 1/2 | 2,318.27 |
| 3/4 | | 3/4 | 4,379.09 | 3/4 | 4,177.30 | 3/4 | 3,968.83 | 3/4 | 3,759.63 | 3/4 | 3,550.26 | 3/4 | 3,333.03 | 3/4 | 2,993.01 | 3/4 | 2,652.49 | 3/4 | 2,311.15 |
| 8 | | 8 | 4,376.85 | 8 | 4,172.95 | 8 | 3,964.49 | 8 | 3,755.27 | 8 | 3,545.90 | 8 | 3,325.95 | 8 | 2,985.91 | 8 | 2,645.39 | 8 | 2,304.04 |
| 1/4 | | 1/4 | 4,373.42 | 1/4 | 4,168.61 | 1/4 | 3,960.15 | 1/4 | 3,750.91 | 1/4 | 3,541.54 | 1/4 | 3,318.87 | 1/4 | 2,978.82 | 1/4 | 2,638.30 | 1/4 | 2,296.93 |
| 1/2 | | 1/2 | 4,370.00 | 1/2 | 4,164.27 | 1/2 | 3,955.80 | 1/2 | 3,746.55 | 1/2 | 3,537.17 | 1/2 | 3,311.80 | 1/2 | 2,971.72 | 1/2 | 2,631.20 | 1/2 | 2,289.82 |
| 3/4 | | 3/4 | 4,366.57 | 3/4 | 4,159.92 | 3/4 | 3,951.46 | 3/4 | 3,742.18 | 3/4 | 3,532.81 | 3/4 | 3,304.72 | 3/4 | 2,964.63 | 3/4 | 2,624.11 | 3/4 | 2,282.71 |
| 9 | | 9 | 4,363.14 | 9 | 4,155.58 | 9 | 3,947.12 | 9 | 3,737.82 | 9 | 3,528.45 | 9 | 3,297.64 | 9 | 2,957.54 | 9 | 2,617.01 | 9 | 2,275.59 |
| 1/4 | | 1/4 | 4,358.90 | 1/4 | 4,151.24 | 1/4 | 3,942.77 | 1/4 | 3,733.46 | 1/4 | 3,524.09 | 1/4 | 3,290.57 | 1/4 | 2,950.44 | 1/4 | 2,609.90 | 1/4 | 2,268.48 |
| 1/2 | | 1/2 | 4,354.65 | 1/2 | 4,146.89 | 1/2 | 3,938.43 | 1/2 | 3,729.10 | 1/2 | 3,519.73 | 1/2 | 3,283.49 | 1/2 | 2,943.35 | 1/2 | 2,602.79 | 1/2 | 2,261.37 |
| 3/4 | | 3/4 | 4,350.40 | 3/4 | 4,142.55 | 3/4 | 3,934.09 | 3/4 | 3,724.74 | 3/4 | 3,515.36 | 3/4 | 3,276.41 | 3/4 | 2,936.25 | 3/4 | 2,595.67 | 3/4 | 2,254.26 |
| 10 | | 10 | 4,346.16 | 10 | 4,138.21 | 10 | 3,929.74 | 10 | 3,720.37 | 10 | 3,511.00 | 10 | 3,269.33 | 10 | 2,929.16 | 10 | 2,588.56 | 10 | 2,247.14 |
| 1/4 | | 1/4 | 4,341.85 | 1/4 | 4,133.87 | 1/4 | 3,925.38 | 1/4 | 3,716.01 | 1/4 | 3,506.64 | 1/4 | 3,262.26 | 1/4 | 2,922.06 | 1/4 | 2,581.44 | 1/4 | 2,240.03 |
| 1/2 | | 1/2 | 4,337.55 | 1/2 | 4,129.52 | 1/2 | 3,921.02 | 1/2 | 3,711.65 | 1/2 | 3,502.28 | 1/2 | 3,255.18 | 1/2 | 2,914.97 | 1/2 | 2,574.33 | 1/2 | 2,232.92 |
| 3/4 | | 3/4 | 4,333.25 | 3/4 | 4,125.18 | 3/4 | 3,916.66 | 3/4 | 3,707.29 | 3/4 | 3,497.92 | 3/4 | 3,248.10 | 3/4 | 2,907.88 | 3/4 | 2,567.21 | 3/4 | 2,225.81 |
| 11 | | 11 | 4,328.95 | 11 | 4,120.84 | 11 | 3,912.30 | 11 | 3,702.93 | 11 | 3,493.55 | 11 | 3,241.03 | 11 | 2,900.78 | 11 | 2,560.10 | 11 | 2,218.69 |
| 1/4 | | 1/4 | 4,324.64 | 1/4 | 4,116.49 | 1/4 | 3,907.94 | 1/4 | 3,698.56 | 1/4 | 3,489.19 | 1/4 | 3,233.95 | 1/4 | 2,893.69 | 1/4 | 2,552.99 | 1/4 | 2,211.58 |
| 1/2 | | 1/2 | 4,320.33 | 1/2 | 4,112.15 | 1/2 | 3,903.57 | 1/2 | 3,694.20 | 1/2 | 3,484.83 | 1/2 | 3,226.87 | 1/2 | 2,886.59 | 1/2 | 2,545.87 | 1/2 | 2,204.47 |
| 3/4 | | 3/4 | 4,316.02 | 3/4 | 4,107.81 | 3/4 | 3,899.21 | 3/4 | 3,689.84 | 3/4 | 3,480.47 | 3/4 | 3,219.80 | 3/4 | 2,879.50 | 3/4 | 2,538.76 | 3/4 | 2,197.36 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.**
**GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 3 STBD

### ULLAGE TABLE
### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,190.25 | 0 | 1,848.86 | 0 | 1,507.46 | 0 | 1,166.07 | 0 | 825.18 | 0 | 483.80 | 0 | 142.41 | 0 | | 0 | | 0 | |
| 1/4 | 2,183.13 | 1/4 | 1,841.74 | 1/4 | 1,500.35 | 1/4 | 1,158.96 | 1/4 | 818.07 | 1/4 | 476.69 | 1/4 | 135.30 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,176.02 | 1/2 | 1,834.63 | 1/2 | 1,493.24 | 1/2 | 1,151.85 | 1/2 | 810.96 | 1/2 | 469.57 | 1/2 | 128.19 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,168.91 | 3/4 | 1,827.52 | 3/4 | 1,486.13 | 3/4 | 1,144.74 | 3/4 | 803.85 | 3/4 | 462.46 | 3/4 | 121.08 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,161.80 | 1 | 1,820.41 | 1 | 1,479.02 | 1 | 1,137.63 | 1 | 796.73 | 1 | 455.35 | 1 | 113.97 | 1 | | 1 | | 1 | |
| 1/4 | 2,154.68 | 1/4 | 1,813.29 | 1/4 | 1,471.90 | 1/4 | 1,130.51 | 1/4 | 789.62 | 1/4 | 448.24 | 1/4 | 106.87 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,147.57 | 1/2 | 1,806.18 | 1/2 | 1,464.79 | 1/2 | 1,123.40 | 1/2 | 782.51 | 1/2 | 441.12 | 1/2 | 99.77 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,140.46 | 3/4 | 1,799.07 | 3/4 | 1,457.68 | 3/4 | 1,116.29 | 3/4 | 775.40 | 3/4 | 434.01 | 3/4 | 92.66 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,133.35 | 2 | 1,791.96 | 2 | 1,450.57 | 2 | 1,109.18 | 2 | 768.29 | 2 | 426.90 | 2 | 85.56 | 2 | | 2 | | 2 | |
| 1/4 | 2,126.23 | 1/4 | 1,784.84 | 1/4 | 1,443.45 | 1/4 | 1,102.07 | 1/4 | 761.17 | 1/4 | 419.79 | 1/4 | 78.49 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,119.12 | 1/2 | 1,777.73 | 1/2 | 1,436.34 | 1/2 | 1,094.96 | 1/2 | 754.06 | 1/2 | 412.68 | 1/2 | 71.41 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,112.01 | 3/4 | 1,770.62 | 3/4 | 1,429.23 | 3/4 | 1,087.86 | 3/4 | 746.95 | 3/4 | 405.56 | 3/4 | 64.33 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,104.90 | 3 | 1,763.51 | 3 | 1,422.12 | 3 | 1,080.75 | 3 | 739.84 | 3 | 398.45 | 3 | 57.26 | 3 | | 3 | | 3 | |
| 1/4 | 2,097.79 | 1/4 | 1,756.40 | 1/4 | 1,415.00 | 1/4 | 1,073.65 | 1/4 | 732.72 | 1/4 | 391.34 | 1/4 | 51.04 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,090.67 | 1/2 | 1,749.28 | 1/2 | 1,407.89 | 1/2 | 1,066.55 | 1/2 | 725.61 | 1/2 | 384.23 | 1/2 | 44.81 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,083.56 | 3/4 | 1,742.17 | 3/4 | 1,400.78 | 3/4 | 1,059.46 | 3/4 | 718.50 | 3/4 | 377.11 | 3/4 | 38.59 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,076.45 | 4 | 1,735.06 | 4 | 1,393.67 | 4 | 1,052.36 | 4 | 711.39 | 4 | 370.00 | 4 | 32.37 | 4 | | 4 | | 4 | |
| 1/4 | 2,069.34 | 1/4 | 1,727.95 | 1/4 | 1,386.56 | 1/4 | 1,045.26 | 1/4 | 704.28 | 1/4 | 362.89 | 1/4 | 27.93 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,062.22 | 1/2 | 1,720.83 | 1/2 | 1,379.44 | 1/2 | 1,038.16 | 1/2 | 697.16 | 1/2 | 355.78 | 1/2 | 23.48 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,055.11 | 3/4 | 1,713.72 | 3/4 | 1,372.33 | 3/4 | 1,031.06 | 3/4 | 690.05 | 3/4 | 348.67 | 3/4 | 19.04 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,048.00 | 5 | 1,706.61 | 5 | 1,365.22 | 5 | 1,023.96 | 5 | 682.94 | 5 | 341.55 | 5 | 14.59 | 5 | | 5 | | 5 | |
| 1/4 | 2,040.89 | 1/4 | 1,699.50 | 1/4 | 1,358.11 | 1/4 | 1,016.86 | 1/4 | 675.83 | 1/4 | 334.44 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,033.78 | 1/2 | 1,692.38 | 1/2 | 1,350.99 | 1/2 | 1,009.77 | 1/2 | 668.71 | 1/2 | 327.33 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,026.66 | 3/4 | 1,685.27 | 3/4 | 1,343.88 | 3/4 | 1,002.67 | 3/4 | 661.60 | 3/4 | 320.22 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,019.55 | 6 | 1,678.16 | 6 | 1,336.77 | 6 | 995.57 | 6 | 654.49 | 6 | 313.10 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 2,012.44 | 1/4 | 1,671.05 | 1/4 | 1,329.66 | 1/4 | 988.47 | 1/4 | 647.38 | 1/4 | 305.99 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,005.33 | 1/2 | 1,663.94 | 1/2 | 1,322.55 | 1/2 | 981.37 | 1/2 | 640.27 | 1/2 | 298.88 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,998.21 | 3/4 | 1,656.82 | 3/4 | 1,315.43 | 3/4 | 974.27 | 3/4 | 633.15 | 3/4 | 291.77 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,991.10 | 7 | 1,649.71 | 7 | 1,308.32 | 7 | 967.18 | 7 | 626.04 | 7 | 284.66 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,983.99 | 1/4 | 1,642.60 | 1/4 | 1,301.21 | 1/4 | 960.08 | 1/4 | 618.93 | 1/4 | 277.54 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,976.88 | 1/2 | 1,635.49 | 1/2 | 1,294.10 | 1/2 | 952.98 | 1/2 | 611.82 | 1/2 | 270.43 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,969.76 | 3/4 | 1,628.37 | 3/4 | 1,286.98 | 3/4 | 945.88 | 3/4 | 604.71 | 3/4 | 263.32 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,962.65 | 8 | 1,621.26 | 8 | 1,279.87 | 8 | 938.78 | 8 | 597.59 | 8 | 256.21 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,955.54 | 1/4 | 1,614.15 | 1/4 | 1,272.76 | 1/4 | 931.68 | 1/4 | 590.48 | 1/4 | 249.10 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,948.43 | 1/2 | 1,607.04 | 1/2 | 1,265.65 | 1/2 | 924.59 | 1/2 | 583.37 | 1/2 | 241.98 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,941.32 | 3/4 | 1,599.92 | 3/4 | 1,258.53 | 3/4 | 917.49 | 3/4 | 576.26 | 3/4 | 234.87 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,934.20 | 9 | 1,592.81 | 9 | 1,251.42 | 9 | 910.39 | 9 | 569.14 | 9 | 227.76 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,927.09 | 1/4 | 1,585.70 | 1/4 | 1,244.31 | 1/4 | 903.29 | 1/4 | 562.03 | 1/4 | 220.65 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,919.98 | 1/2 | 1,578.59 | 1/2 | 1,237.20 | 1/2 | 896.19 | 1/2 | 554.92 | 1/2 | 213.53 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,912.87 | 3/4 | 1,571.48 | 3/4 | 1,230.09 | 3/4 | 889.10 | 3/4 | 547.81 | 3/4 | 206.42 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,905.75 | 10 | 1,564.36 | 10 | 1,222.97 | 10 | 882.00 | 10 | 540.70 | 10 | 199.31 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,898.64 | 1/4 | 1,557.25 | 1/4 | 1,215.86 | 1/4 | 874.90 | 1/4 | 533.58 | 1/4 | 192.20 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,891.53 | 1/2 | 1,550.14 | 1/2 | 1,208.75 | 1/2 | 867.80 | 1/2 | 526.47 | 1/2 | 185.09 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,884.42 | 3/4 | 1,543.03 | 3/4 | 1,201.64 | 3/4 | 860.70 | 3/4 | 519.36 | 3/4 | 177.97 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,877.30 | 11 | 1,535.91 | 11 | 1,194.52 | 11 | 853.60 | 11 | 512.25 | 11 | 170.86 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,870.19 | 1/4 | 1,528.80 | 1/4 | 1,187.41 | 1/4 | 846.50 | 1/4 | 505.13 | 1/4 | 163.75 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,863.08 | 1/2 | 1,521.69 | 1/2 | 1,180.30 | 1/2 | 839.39 | 1/2 | 498.02 | 1/2 | 156.64 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,855.97 | 3/4 | 1,514.58 | 3/4 | 1,173.19 | 3/4 | 832.29 | 3/4 | 490.91 | 3/4 | 149.52 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## INNAGE (10" HATCH)

| | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BOW | STERN | BOW | STERN | BOW | STERN | BOW | STERN | BOW | STERN | BOW | STERN |
| 1 PORT | 02-0/8 | - 02-0/8 | 04-0/8 | - 04-0/8 | 06-0/8 | - 06-0/8 | 08-1/8 | - 08-1/8 | 10-1/8 | - 10-1/8 | 12-1/8 | - 12-1/8 |
| 1 STBD | 02-0/8 | - 02-0/8 | 04-0/8 | - 04-0/8 | 06-0/8 | - 06-0/8 | 08-1/8 | - 08-1/8 | 10-1/8 | - 10-1/8 | 12-1/8 | - 12-1/8 |
| 2 PORT | 02-0/8 | - 02-0/8 | 04-0/8 | - 04-0/8 | 06-1/8 | - 06-1/8 | 08-1/8 | - 08-1/8 | 10-1/8 | - 10-1/8 | 12-1/8 | - 12-1/8 |
| 2 STBD | 02-0/8 | - 02-0/8 | 04-0/8 | - 04-0/8 | 06-1/8 | - 06-1/8 | 08-1/8 | - 08-1/8 | 10-1/8 | - 10-1/8 | 12-1/8 | - 12-1/8 |
| 3 PORT | - 02-0/8 | 02-0/8 | - 04-0/8 | 04-0/8 | - 06-0/8 | 06-0/8 | - 08-0/8 | 08-0/8 | - 10-1/8 | 10-1/8 | - 12-1/8 | 12-1/8 |
| 3 STBD | - 02-0/8 | 02-0/8 | - 04-0/8 | 04-0/8 | - 06-0/8 | 06-0/8 | - 08-0/8 | 08-0/8 | - 10-1/8 | 10-1/8 | - 12-1/8 | 12-1/8 |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

| | | | |
|---|---|---|---|
| FWD. DRAFT | = | 2'-00" | |
| AFT DRAFT | = | 6'-00" | |
| DIFF. | = | 4'-00" | (DOWN BY STERN) |

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 08-1/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-03 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

July 15, 2020


PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net

# BARGE "FMT 3310"

## 1 PORT

### INNAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.15 | 0 | 252.23 | 0 | 583.24 | 0 | 924.96 | 0 | 1,266.94 | 0 | 1,610.10 | 0 | 1,953.27 | 0 | 2,296.44 | 0 | 2,639.61 | 0 | 2,982.75 |
| 1/4 | 3.94 | 1/4 | 258.71 | 1/4 | 590.39 | 1/4 | 932.05 | 1/4 | 1,274.09 | 1/4 | 1,617.25 | 1/4 | 1,960.42 | 1/4 | 2,303.58 | 1/4 | 2,646.75 | 1/4 | 2,989.90 |
| 1/2 | 5.73 | 1/2 | 265.19 | 1/2 | 597.54 | 1/2 | 939.14 | 1/2 | 1,281.23 | 1/2 | 1,624.40 | 1/2 | 1,967.57 | 1/2 | 2,310.73 | 1/2 | 2,653.90 | 1/2 | 2,997.05 |
| 3/4 | 7.52 | 3/4 | 271.67 | 3/4 | 604.68 | 3/4 | 946.23 | 3/4 | 1,288.38 | 3/4 | 1,631.55 | 3/4 | 1,974.72 | 3/4 | 2,317.88 | 3/4 | 2,661.05 | 3/4 | 3,004.20 |
| 1 | 9.30 | 1 | 278.16 | 1 | 611.83 | 1 | 953.32 | 1 | 1,295.53 | 1 | 1,638.70 | 1 | 1,981.87 | 1 | 2,325.03 | 1 | 2,668.20 | 1 | 3,011.34 |
| 1/4 | 12.11 | 1/4 | 284.72 | 1/4 | 618.98 | 1/4 | 960.41 | 1/4 | 1,302.68 | 1/4 | 1,645.85 | 1/4 | 1,989.02 | 1/4 | 2,332.18 | 1/4 | 2,675.35 | 1/4 | 3,018.49 |
| 1/2 | 14.91 | 1/2 | 291.28 | 1/2 | 626.13 | 1/2 | 967.49 | 1/2 | 1,309.83 | 1/2 | 1,653.00 | 1/2 | 1,996.16 | 1/2 | 2,339.33 | 1/2 | 2,682.50 | 1/2 | 3,025.64 |
| 3/4 | 17.71 | 3/4 | 297.85 | 3/4 | 633.28 | 3/4 | 974.58 | 3/4 | 1,316.98 | 3/4 | 1,660.15 | 3/4 | 2,003.31 | 3/4 | 2,346.48 | 3/4 | 2,689.65 | 3/4 | 3,032.79 |
| 2 | 20.51 | 2 | 304.41 | 2 | 640.43 | 2 | 981.67 | 2 | 1,324.13 | 2 | 1,667.30 | 2 | 2,010.46 | 2 | 2,353.63 | 2 | 2,696.80 | 2 | 3,039.93 |
| 1/4 | 24.37 | 1/4 | 311.06 | 1/4 | 647.58 | 1/4 | 988.76 | 1/4 | 1,331.28 | 1/4 | 1,674.45 | 1/4 | 2,017.61 | 1/4 | 2,360.78 | 1/4 | 2,703.95 | 1/4 | 3,047.08 |
| 1/2 | 28.22 | 1/2 | 317.71 | 1/2 | 654.73 | 1/2 | 995.85 | 1/2 | 1,338.43 | 1/2 | 1,681.60 | 1/2 | 2,024.76 | 1/2 | 2,367.93 | 1/2 | 2,711.09 | 1/2 | 3,054.23 |
| 3/4 | 32.08 | 3/4 | 324.36 | 3/4 | 661.88 | 3/4 | 1,002.94 | 3/4 | 1,345.58 | 3/4 | 1,688.74 | 3/4 | 2,031.91 | 3/4 | 2,375.08 | 3/4 | 2,718.24 | 3/4 | 3,061.37 |
| 3 | 35.94 | 3 | 331.01 | 3 | 669.03 | 3 | 1,010.03 | 3 | 1,352.73 | 3 | 1,695.89 | 3 | 2,039.06 | 3 | 2,382.23 | 3 | 2,725.39 | 3 | 3,068.52 |
| 1/4 | 41.20 | 1/4 | 337.74 | 1/4 | 676.18 | 1/4 | 1,017.12 | 1/4 | 1,359.88 | 1/4 | 1,703.04 | 1/4 | 2,046.21 | 1/4 | 2,389.38 | 1/4 | 2,732.54 | 1/4 | 3,075.67 |
| 1/2 | 46.47 | 1/2 | 344.47 | 1/2 | 683.32 | 1/2 | 1,024.21 | 1/2 | 1,367.03 | 1/2 | 1,710.19 | 1/2 | 2,053.36 | 1/2 | 2,396.53 | 1/2 | 2,739.69 | 1/2 | 3,082.81 |
| 3/4 | 51.73 | 3/4 | 351.20 | 3/4 | 690.47 | 3/4 | 1,031.31 | 3/4 | 1,374.18 | 3/4 | 1,717.34 | 3/4 | 2,060.51 | 3/4 | 2,403.67 | 3/4 | 2,746.84 | 3/4 | 3,089.96 |
| 4 | 56.99 | 4 | 357.93 | 4 | 697.62 | 4 | 1,038.40 | 4 | 1,381.32 | 4 | 1,724.49 | 4 | 2,067.66 | 4 | 2,410.82 | 4 | 2,753.99 | 4 | 3,097.11 |
| 1/4 | 62.78 | 1/4 | 364.75 | 1/4 | 704.77 | 1/4 | 1,045.51 | 1/4 | 1,388.47 | 1/4 | 1,731.64 | 1/4 | 2,074.81 | 1/4 | 2,417.97 | 1/4 | 2,761.14 | 1/4 | 3,104.26 |
| 1/2 | 68.57 | 1/2 | 371.56 | 1/2 | 711.92 | 1/2 | 1,052.61 | 1/2 | 1,395.62 | 1/2 | 1,738.79 | 1/2 | 2,081.96 | 1/2 | 2,425.12 | 1/2 | 2,768.28 | 1/2 | 3,111.40 |
| 3/4 | 74.36 | 3/4 | 378.38 | 3/4 | 719.07 | 3/4 | 1,059.72 | 3/4 | 1,402.77 | 3/4 | 1,745.94 | 3/4 | 2,089.11 | 3/4 | 2,432.27 | 3/4 | 2,775.43 | 3/4 | 3,118.55 |
| 5 | 80.15 | 5 | 385.19 | 5 | 726.22 | 5 | 1,066.82 | 5 | 1,409.92 | 5 | 1,753.09 | 5 | 2,096.25 | 5 | 2,439.42 | 5 | 2,782.58 | 5 | 3,125.70 |
| 1/4 | 86.04 | 1/4 | 392.09 | 1/4 | 733.35 | 1/4 | 1,073.96 | 1/4 | 1,417.07 | 1/4 | 1,760.24 | 1/4 | 2,103.40 | 1/4 | 2,446.57 | 1/4 | 2,789.73 | 1/4 | 3,132.84 |
| 1/2 | 91.93 | 1/2 | 398.99 | 1/2 | 740.48 | 1/2 | 1,081.09 | 1/2 | 1,424.22 | 1/2 | 1,767.39 | 1/2 | 2,110.55 | 1/2 | 2,453.72 | 1/2 | 2,796.88 | 1/2 | 3,139.99 |
| 3/4 | 97.82 | 3/4 | 405.89 | 3/4 | 747.61 | 3/4 | 1,088.22 | 3/4 | 1,431.37 | 3/4 | 1,774.54 | 3/4 | 2,117.70 | 3/4 | 2,460.87 | 3/4 | 2,804.03 | 3/4 | 3,147.14 |
| 6 | 103.71 | 6 | 412.79 | 6 | 754.75 | 6 | 1,095.35 | 6 | 1,438.52 | 6 | 1,781.69 | 6 | 2,124.85 | 6 | 2,468.02 | 6 | 2,811.18 | 6 | 3,154.28 |
| 1/4 | 109.69 | 1/4 | 419.77 | 1/4 | 761.85 | 1/4 | 1,102.50 | 1/4 | 1,445.67 | 1/4 | 1,788.84 | 1/4 | 2,132.00 | 1/4 | 2,475.17 | 1/4 | 2,818.33 | 1/4 | 3,161.43 |
| 1/2 | 115.67 | 1/2 | 426.74 | 1/2 | 768.96 | 1/2 | 1,109.65 | 1/2 | 1,452.82 | 1/2 | 1,795.98 | 1/2 | 2,139.15 | 1/2 | 2,482.32 | 1/2 | 2,825.47 | 1/2 | 3,168.58 |
| 3/4 | 121.65 | 3/4 | 433.72 | 3/4 | 776.06 | 3/4 | 1,116.80 | 3/4 | 1,459.97 | 3/4 | 1,803.13 | 3/4 | 2,146.30 | 3/4 | 2,489.47 | 3/4 | 2,832.62 | 3/4 | 3,175.73 |
| 7 | 127.63 | 7 | 440.70 | 7 | 783.17 | 7 | 1,123.95 | 7 | 1,467.12 | 7 | 1,810.28 | 7 | 2,153.45 | 7 | 2,496.62 | 7 | 2,839.77 | 7 | 3,182.87 |
| 1/4 | 133.69 | 1/4 | 447.76 | 1/4 | 790.26 | 1/4 | 1,131.10 | 1/4 | 1,474.27 | 1/4 | 1,817.43 | 1/4 | 2,160.60 | 1/4 | 2,503.77 | 1/4 | 2,846.92 | 1/4 | 3,190.02 |
| 1/2 | 139.75 | 1/2 | 454.82 | 1/2 | 797.36 | 1/2 | 1,138.25 | 1/2 | 1,481.42 | 1/2 | 1,824.58 | 1/2 | 2,167.75 | 1/2 | 2,510.91 | 1/2 | 2,854.07 | 1/2 | 3,197.17 |
| 3/4 | 145.82 | 3/4 | 461.88 | 3/4 | 804.45 | 3/4 | 1,145.40 | 3/4 | 1,488.56 | 3/4 | 1,831.73 | 3/4 | 2,174.90 | 3/4 | 2,518.06 | 3/4 | 2,861.22 | 3/4 | 3,204.31 |
| 8 | 151.88 | 8 | 468.95 | 8 | 811.54 | 8 | 1,152.55 | 8 | 1,495.71 | 8 | 1,838.88 | 8 | 2,182.05 | 8 | 2,525.21 | 8 | 2,868.37 | 8 | 3,211.46 |
| 1/4 | 158.03 | 1/4 | 476.07 | 1/4 | 818.63 | 1/4 | 1,159.70 | 1/4 | 1,502.86 | 1/4 | 1,846.03 | 1/4 | 2,189.20 | 1/4 | 2,532.36 | 1/4 | 2,875.52 | 1/4 | 3,218.61 |
| 1/2 | 164.17 | 1/2 | 483.20 | 1/2 | 825.72 | 1/2 | 1,166.85 | 1/2 | 1,510.01 | 1/2 | 1,853.18 | 1/2 | 2,196.35 | 1/2 | 2,539.51 | 1/2 | 2,882.67 | 1/2 | 3,225.75 |
| 3/4 | 170.32 | 3/4 | 490.32 | 3/4 | 832.81 | 3/4 | 1,174.00 | 3/4 | 1,517.16 | 3/4 | 1,860.33 | 3/4 | 2,203.49 | 3/4 | 2,546.66 | 3/4 | 2,889.81 | 3/4 | 3,232.90 |
| 9 | 176.47 | 9 | 497.45 | 9 | 839.90 | 9 | 1,181.14 | 9 | 1,524.31 | 9 | 1,867.48 | 9 | 2,210.64 | 9 | 2,553.81 | 9 | 2,896.96 | 9 | 3,240.05 |
| 1/4 | 182.70 | 1/4 | 504.60 | 1/4 | 846.98 | 1/4 | 1,188.29 | 1/4 | 1,531.46 | 1/4 | 1,874.63 | 1/4 | 2,217.79 | 1/4 | 2,560.96 | 1/4 | 2,904.11 | 1/4 | 3,247.20 |
| 1/2 | 188.93 | 1/2 | 511.75 | 1/2 | 854.07 | 1/2 | 1,195.44 | 1/2 | 1,538.61 | 1/2 | 1,881.78 | 1/2 | 2,224.94 | 1/2 | 2,568.11 | 1/2 | 2,911.26 | 1/2 | 3,254.34 |
| 3/4 | 195.16 | 3/4 | 518.90 | 3/4 | 861.16 | 3/4 | 1,202.59 | 3/4 | 1,545.76 | 3/4 | 1,888.93 | 3/4 | 2,232.09 | 3/4 | 2,575.26 | 3/4 | 2,918.41 | 3/4 | 3,261.49 |
| 10 | 201.39 | 10 | 526.04 | 10 | 868.25 | 10 | 1,209.74 | 10 | 1,552.91 | 10 | 1,896.07 | 10 | 2,239.24 | 10 | 2,582.41 | 10 | 2,925.56 | 10 | 3,268.64 |
| 1/4 | 207.70 | 1/4 | 533.19 | 1/4 | 875.34 | 1/4 | 1,216.89 | 1/4 | 1,560.06 | 1/4 | 1,903.22 | 1/4 | 2,246.39 | 1/4 | 2,589.56 | 1/4 | 2,932.71 | 1/4 | 3,275.78 |
| 1/2 | 214.01 | 1/2 | 540.34 | 1/2 | 882.43 | 1/2 | 1,224.04 | 1/2 | 1,567.21 | 1/2 | 1,910.37 | 1/2 | 2,253.54 | 1/2 | 2,596.71 | 1/2 | 2,939.86 | 1/2 | 3,282.93 |
| 3/4 | 220.33 | 3/4 | 547.49 | 3/4 | 889.52 | 3/4 | 1,231.19 | 3/4 | 1,574.36 | 3/4 | 1,917.52 | 3/4 | 2,260.69 | 3/4 | 2,603.86 | 3/4 | 2,947.00 | 3/4 | 3,290.08 |
| 11 | 226.64 | 11 | 554.64 | 11 | 896.61 | 11 | 1,238.34 | 11 | 1,581.51 | 11 | 1,924.67 | 11 | 2,267.84 | 11 | 2,611.00 | 11 | 2,954.15 | 11 | 3,297.22 |
| 1/4 | 233.04 | 1/4 | 561.79 | 1/4 | 903.69 | 1/4 | 1,245.49 | 1/4 | 1,588.65 | 1/4 | 1,931.82 | 1/4 | 2,274.99 | 1/4 | 2,618.15 | 1/4 | 2,961.30 | 1/4 | 3,304.37 |
| 1/2 | 239.44 | 1/2 | 568.94 | 1/2 | 910.78 | 1/2 | 1,252.64 | 1/2 | 1,595.80 | 1/2 | 1,938.97 | 1/2 | 2,282.14 | 1/2 | 2,625.31 | 1/2 | 2,968.45 | 1/2 | 3,311.52 |
| 3/4 | 245.83 | 3/4 | 576.09 | 3/4 | 917.87 | 3/4 | 1,259.79 | 3/4 | 1,602.95 | 3/4 | 1,946.12 | 3/4 | 2,289.29 | 3/4 | 2,632.46 | 3/4 | 2,975.60 | 3/4 | 3,318.67 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.**
**GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 1 PORT

### INNAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3,325.81 | 0 | 3,668.87 | 0 | 4,012.02 | 0 | 4,354.71 | 0 | 4,696.29 | 0 | 5,017.71 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,332.96 | 1/4 | 3,676.02 | 1/4 | 4,019.17 | 1/4 | 4,361.83 | 1/4 | 4,703.41 | 1/4 | 5,020.91 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,340.11 | 1/2 | 3,683.17 | 1/2 | 4,026.32 | 1/2 | 4,368.94 | 1/2 | 4,710.52 | 1/2 | 5,024.11 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,347.25 | 3/4 | 3,690.32 | 3/4 | 4,033.47 | 3/4 | 4,376.06 | 3/4 | 4,717.64 | 3/4 | 5,027.31 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,354.40 | 1 | 3,697.47 | 1 | 4,040.62 | 1 | 4,383.17 | 1 | 4,724.76 | 1 | 5,030.51 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,361.55 | 1/4 | 3,704.62 | 1/4 | 4,047.77 | 1/4 | 4,390.29 | 1/4 | 4,731.87 | 1/4 | 5,032.52 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,368.69 | 1/2 | 3,711.77 | 1/2 | 4,054.92 | 1/2 | 4,397.41 | 1/2 | 4,738.99 | 1/2 | 5,034.52 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,375.84 | 3/4 | 3,718.91 | 3/4 | 4,062.07 | 3/4 | 4,404.52 | 3/4 | 4,746.11 | 3/4 | 5,036.53 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,382.99 | 2 | 3,726.06 | 2 | 4,069.22 | 2 | 4,411.64 | 2 | 4,753.22 | 2 | 5,038.54 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,390.14 | 1/4 | 3,733.21 | 1/4 | 4,076.36 | 1/4 | 4,418.76 | 1/4 | 4,760.34 | 1/4 | 5,039.47 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,397.28 | 1/2 | 3,740.36 | 1/2 | 4,083.51 | 1/2 | 4,425.87 | 1/2 | 4,767.45 | 1/2 | 5,040.40 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,404.43 | 3/4 | 3,747.51 | 3/4 | 4,090.66 | 3/4 | 4,432.99 | 3/4 | 4,774.57 | 3/4 | 5,041.32 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,411.58 | 3 | 3,754.66 | 3 | 4,097.81 | 3 | 4,440.10 | 3 | 4,781.69 | 3 | 5,042.25 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,418.72 | 1/4 | 3,761.81 | 1/4 | 4,104.96 | 1/4 | 4,447.22 | 1/4 | 4,788.80 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,425.87 | 1/2 | 3,768.96 | 1/2 | 4,112.11 | 1/2 | 4,454.34 | 1/2 | 4,795.92 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,433.02 | 3/4 | 3,776.11 | 3/4 | 4,119.26 | 3/4 | 4,461.45 | 3/4 | 4,803.04 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,440.16 | 4 | 3,783.26 | 4 | 4,126.41 | 4 | 4,468.57 | 4 | 4,810.15 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,447.31 | 1/4 | 3,790.40 | 1/4 | 4,133.56 | 1/4 | 4,475.69 | 1/4 | 4,817.24 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,454.46 | 1/2 | 3,797.55 | 1/2 | 4,140.71 | 1/2 | 4,482.80 | 1/2 | 4,824.34 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,461.61 | 3/4 | 3,804.70 | 3/4 | 4,147.85 | 3/4 | 4,489.92 | 3/4 | 4,831.43 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,468.75 | 5 | 3,811.85 | 5 | 4,155.00 | 5 | 4,497.04 | 5 | 4,838.52 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,475.90 | 1/4 | 3,819.00 | 1/4 | 4,162.15 | 1/4 | 4,504.15 | 1/4 | 4,845.59 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,483.05 | 1/2 | 3,826.15 | 1/2 | 4,169.30 | 1/2 | 4,511.27 | 1/2 | 4,852.66 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,490.19 | 3/4 | 3,833.30 | 3/4 | 4,176.45 | 3/4 | 4,518.38 | 3/4 | 4,859.74 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,497.34 | 6 | 3,840.45 | 6 | 4,183.60 | 6 | 4,525.50 | 6 | 4,866.81 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,504.49 | 1/4 | 3,847.60 | 1/4 | 4,190.75 | 1/4 | 4,532.62 | 1/4 | 4,873.88 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,511.63 | 1/2 | 3,854.75 | 1/2 | 4,197.90 | 1/2 | 4,539.73 | 1/2 | 4,880.95 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,518.78 | 3/4 | 3,861.89 | 3/4 | 4,205.05 | 3/4 | 4,546.85 | 3/4 | 4,888.02 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,525.93 | 7 | 3,869.04 | 7 | 4,212.20 | 7 | 4,553.97 | 7 | 4,895.09 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,533.08 | 1/4 | 3,876.19 | 1/4 | 4,219.34 | 1/4 | 4,561.08 | 1/4 | 4,902.16 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,540.22 | 1/2 | 3,883.34 | 1/2 | 4,226.49 | 1/2 | 4,568.20 | 1/2 | 4,909.22 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,547.37 | 3/4 | 3,890.49 | 3/4 | 4,233.64 | 3/4 | 4,575.31 | 3/4 | 4,916.28 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,554.52 | 8 | 3,897.64 | 8 | 4,240.79 | 8 | 4,582.43 | 8 | 4,923.35 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,561.66 | 1/4 | 3,904.79 | 1/4 | 4,247.92 | 1/4 | 4,589.55 | 1/4 | 4,930.38 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,568.81 | 1/2 | 3,911.94 | 1/2 | 4,255.05 | 1/2 | 4,596.66 | 1/2 | 4,937.41 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,575.96 | 3/4 | 3,919.09 | 3/4 | 4,262.18 | 3/4 | 4,603.78 | 3/4 | 4,944.44 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,583.10 | 9 | 3,926.24 | 9 | 4,269.31 | 9 | 4,610.90 | 9 | 4,951.47 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,590.25 | 1/4 | 3,933.38 | 1/4 | 4,276.43 | 1/4 | 4,618.01 | 1/4 | 4,958.06 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,597.40 | 1/2 | 3,940.53 | 1/2 | 4,283.55 | 1/2 | 4,625.13 | 1/2 | 4,964.65 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,604.55 | 3/4 | 3,947.68 | 3/4 | 4,290.66 | 3/4 | 4,632.24 | 3/4 | 4,971.24 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,611.69 | 10 | 3,954.83 | 10 | 4,297.78 | 10 | 4,639.36 | 10 | 4,977.83 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,618.84 | 1/4 | 3,961.98 | 1/4 | 4,304.90 | 1/4 | 4,646.48 | 1/4 | 4,983.41 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,625.98 | 1/2 | 3,969.13 | 1/2 | 4,312.01 | 1/2 | 4,653.59 | 1/2 | 4,988.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,633.13 | 3/4 | 3,976.28 | 3/4 | 4,319.13 | 3/4 | 4,660.71 | 3/4 | 4,994.57 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,640.28 | 11 | 3,983.43 | 11 | 4,326.24 | 11 | 4,667.83 | 11 | 5,000.15 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,647.42 | 1/4 | 3,990.58 | 1/4 | 4,333.36 | 1/4 | 4,674.94 | 1/4 | 5,004.54 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,654.57 | 1/2 | 3,997.73 | 1/2 | 4,340.48 | 1/2 | 4,682.06 | 1/2 | 5,008.93 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,661.72 | 3/4 | 4,004.87 | 3/4 | 4,347.59 | 3/4 | 4,689.18 | 3/4 | 5,013.32 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
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# BARGE "FMT 3310"

## 1 STBD

### INNAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.15 | 0 | 251.90 | 0 | 582.56 | 0 | 925.16 | 0 | 1,267.80 | 0 | 1,610.57 | 0 | 1,953.35 | 0 | 2,296.12 | 0 | 2,638.89 | 0 | 2,981.64 |
| 1/4 | 3.94 | 1/4 | 258.37 | 1/4 | 589.70 | 1/4 | 932.29 | 1/4 | 1,274.94 | 1/4 | 1,617.72 | 1/4 | 1,960.49 | 1/4 | 2,303.26 | 1/4 | 2,646.03 | 1/4 | 2,988.78 |
| 1/2 | 5.72 | 1/2 | 264.85 | 1/2 | 596.84 | 1/2 | 939.42 | 1/2 | 1,282.08 | 1/2 | 1,624.86 | 1/2 | 1,967.63 | 1/2 | 2,310.40 | 1/2 | 2,653.17 | 1/2 | 2,995.92 |
| 3/4 | 7.51 | 3/4 | 271.32 | 3/4 | 603.98 | 3/4 | 946.55 | 3/4 | 1,289.22 | 3/4 | 1,632.00 | 3/4 | 1,974.77 | 3/4 | 2,317.54 | 3/4 | 2,660.31 | 3/4 | 3,003.06 |
| 1 | 9.29 | 1 | 277.79 | 1 | 611.12 | 1 | 953.68 | 1 | 1,296.37 | 1 | 1,639.14 | 1 | 1,981.91 | 1 | 2,324.68 | 1 | 2,667.45 | 1 | 3,010.20 |
| 1/4 | 12.09 | 1/4 | 284.35 | 1/4 | 618.26 | 1/4 | 960.82 | 1/4 | 1,303.51 | 1/4 | 1,646.28 | 1/4 | 1,989.05 | 1/4 | 2,331.83 | 1/4 | 2,674.59 | 1/4 | 3,017.33 |
| 1/2 | 14.89 | 1/2 | 290.91 | 1/2 | 625.40 | 1/2 | 967.95 | 1/2 | 1,310.65 | 1/2 | 1,653.42 | 1/2 | 1,996.19 | 1/2 | 2,338.97 | 1/2 | 2,681.73 | 1/2 | 3,024.47 |
| 3/4 | 17.69 | 3/4 | 297.46 | 3/4 | 632.54 | 3/4 | 975.08 | 3/4 | 1,317.79 | 3/4 | 1,660.56 | 3/4 | 2,003.33 | 3/4 | 2,346.11 | 3/4 | 2,688.87 | 3/4 | 3,031.61 |
| 2 | 20.48 | 2 | 304.02 | 2 | 639.68 | 2 | 982.21 | 2 | 1,324.93 | 2 | 1,667.70 | 2 | 2,010.48 | 2 | 2,353.25 | 2 | 2,696.01 | 2 | 3,038.75 |
| 1/4 | 24.34 | 1/4 | 310.66 | 1/4 | 646.82 | 1/4 | 989.35 | 1/4 | 1,332.07 | 1/4 | 1,674.84 | 1/4 | 2,017.62 | 1/4 | 2,360.39 | 1/4 | 2,703.15 | 1/4 | 3,045.89 |
| 1/2 | 28.19 | 1/2 | 317.30 | 1/2 | 653.96 | 1/2 | 996.48 | 1/2 | 1,339.21 | 1/2 | 1,681.99 | 1/2 | 2,024.76 | 1/2 | 2,367.53 | 1/2 | 2,710.29 | 1/2 | 3,053.03 |
| 3/4 | 32.04 | 3/4 | 323.94 | 3/4 | 661.11 | 3/4 | 1,003.61 | 3/4 | 1,346.35 | 3/4 | 1,689.13 | 3/4 | 2,031.90 | 3/4 | 2,374.67 | 3/4 | 2,717.43 | 3/4 | 3,060.17 |
| 3 | 35.89 | 3 | 330.58 | 3 | 668.25 | 3 | 1,010.74 | 3 | 1,353.49 | 3 | 1,696.27 | 3 | 2,039.04 | 3 | 2,381.81 | 3 | 2,724.57 | 3 | 3,067.31 |
| 1/4 | 41.15 | 1/4 | 337.30 | 1/4 | 675.39 | 1/4 | 1,017.88 | 1/4 | 1,360.64 | 1/4 | 1,703.41 | 1/4 | 2,046.18 | 1/4 | 2,388.95 | 1/4 | 2,731.71 | 1/4 | 3,074.44 |
| 1/2 | 46.40 | 1/2 | 344.03 | 1/2 | 682.53 | 1/2 | 1,025.01 | 1/2 | 1,367.78 | 1/2 | 1,710.55 | 1/2 | 2,053.32 | 1/2 | 2,396.10 | 1/2 | 2,738.85 | 1/2 | 3,081.58 |
| 3/4 | 51.66 | 3/4 | 350.75 | 3/4 | 689.67 | 3/4 | 1,032.15 | 3/4 | 1,374.92 | 3/4 | 1,717.69 | 3/4 | 2,060.46 | 3/4 | 2,403.24 | 3/4 | 2,746.00 | 3/4 | 3,088.72 |
| 4 | 56.92 | 4 | 357.47 | 4 | 696.81 | 4 | 1,039.29 | 4 | 1,382.06 | 4 | 1,724.83 | 4 | 2,067.60 | 4 | 2,410.38 | 4 | 2,753.14 | 4 | 3,095.86 |
| 1/4 | 62.70 | 1/4 | 364.28 | 1/4 | 703.95 | 1/4 | 1,046.43 | 1/4 | 1,389.20 | 1/4 | 1,731.97 | 1/4 | 2,074.75 | 1/4 | 2,417.52 | 1/4 | 2,760.28 | 1/4 | 3,103.00 |
| 1/2 | 68.48 | 1/2 | 371.09 | 1/2 | 711.09 | 1/2 | 1,053.57 | 1/2 | 1,396.34 | 1/2 | 1,739.11 | 1/2 | 2,081.89 | 1/2 | 2,424.66 | 1/2 | 2,767.42 | 1/2 | 3,110.14 |
| 3/4 | 74.26 | 3/4 | 377.89 | 3/4 | 718.23 | 3/4 | 1,060.71 | 3/4 | 1,403.48 | 3/4 | 1,746.26 | 3/4 | 2,089.03 | 3/4 | 2,431.80 | 3/4 | 2,774.56 | 3/4 | 3,117.28 |
| 5 | 80.04 | 5 | 384.70 | 5 | 725.37 | 5 | 1,067.85 | 5 | 1,410.62 | 5 | 1,753.40 | 5 | 2,096.17 | 5 | 2,438.94 | 5 | 2,781.70 | 5 | 3,124.42 |
| 1/4 | 85.92 | 1/4 | 391.59 | 1/4 | 732.51 | 1/4 | 1,074.99 | 1/4 | 1,417.76 | 1/4 | 1,760.54 | 1/4 | 2,103.31 | 1/4 | 2,446.08 | 1/4 | 2,788.84 | 1/4 | 3,131.55 |
| 1/2 | 91.81 | 1/2 | 398.48 | 1/2 | 739.66 | 1/2 | 1,082.13 | 1/2 | 1,424.91 | 1/2 | 1,767.68 | 1/2 | 2,110.45 | 1/2 | 2,453.22 | 1/2 | 2,795.98 | 1/2 | 3,138.69 |
| 3/4 | 97.69 | 3/4 | 405.37 | 3/4 | 746.80 | 3/4 | 1,089.27 | 3/4 | 1,432.05 | 3/4 | 1,774.82 | 3/4 | 2,117.59 | 3/4 | 2,460.37 | 3/4 | 2,803.12 | 3/4 | 3,145.83 |
| 6 | 103.57 | 6 | 412.26 | 6 | 753.94 | 6 | 1,096.42 | 6 | 1,439.19 | 6 | 1,781.96 | 6 | 2,124.73 | 6 | 2,467.51 | 6 | 2,810.26 | 6 | 3,152.97 |
| 1/4 | 109.54 | 1/4 | 419.23 | 1/4 | 761.08 | 1/4 | 1,103.56 | 1/4 | 1,446.33 | 1/4 | 1,789.10 | 1/4 | 2,131.87 | 1/4 | 2,474.65 | 1/4 | 2,817.40 | 1/4 | 3,160.11 |
| 1/2 | 115.51 | 1/2 | 426.21 | 1/2 | 768.22 | 1/2 | 1,110.70 | 1/2 | 1,453.47 | 1/2 | 1,796.24 | 1/2 | 2,139.02 | 1/2 | 2,481.79 | 1/2 | 2,824.54 | 1/2 | 3,167.25 |
| 3/4 | 121.48 | 3/4 | 433.18 | 3/4 | 775.36 | 3/4 | 1,117.84 | 3/4 | 1,460.61 | 3/4 | 1,803.38 | 3/4 | 2,146.16 | 3/4 | 2,488.93 | 3/4 | 2,831.68 | 3/4 | 3,174.39 |
| 7 | 127.46 | 7 | 440.16 | 7 | 782.50 | 7 | 1,124.98 | 7 | 1,467.75 | 7 | 1,810.53 | 7 | 2,153.30 | 7 | 2,496.07 | 7 | 2,838.82 | 7 | 3,181.52 |
| 1/4 | 133.51 | 1/4 | 447.21 | 1/4 | 789.63 | 1/4 | 1,132.12 | 1/4 | 1,474.89 | 1/4 | 1,817.67 | 1/4 | 2,160.44 | 1/4 | 2,503.21 | 1/4 | 2,845.96 | 1/4 | 3,188.66 |
| 1/2 | 139.57 | 1/2 | 454.27 | 1/2 | 796.77 | 1/2 | 1,139.26 | 1/2 | 1,482.03 | 1/2 | 1,824.81 | 1/2 | 2,167.58 | 1/2 | 2,510.35 | 1/2 | 2,853.10 | 1/2 | 3,195.80 |
| 3/4 | 145.62 | 3/4 | 461.33 | 3/4 | 803.91 | 3/4 | 1,146.40 | 3/4 | 1,489.18 | 3/4 | 1,831.95 | 3/4 | 2,174.72 | 3/4 | 2,517.49 | 3/4 | 2,860.25 | 3/4 | 3,202.94 |
| 8 | 151.68 | 8 | 468.39 | 8 | 811.04 | 8 | 1,153.54 | 8 | 1,496.32 | 8 | 1,839.09 | 8 | 2,181.86 | 8 | 2,524.64 | 8 | 2,867.39 | 8 | 3,210.08 |
| 1/4 | 157.82 | 1/4 | 475.51 | 1/4 | 818.17 | 1/4 | 1,160.69 | 1/4 | 1,503.46 | 1/4 | 1,846.23 | 1/4 | 2,189.00 | 1/4 | 2,531.78 | 1/4 | 2,874.53 | 1/4 | 3,217.22 |
| 1/2 | 163.95 | 1/2 | 482.63 | 1/2 | 825.31 | 1/2 | 1,167.83 | 1/2 | 1,510.60 | 1/2 | 1,853.37 | 1/2 | 2,196.14 | 1/2 | 2,538.92 | 1/2 | 2,881.67 | 1/2 | 3,224.36 |
| 3/4 | 170.09 | 3/4 | 489.74 | 3/4 | 832.44 | 3/4 | 1,174.97 | 3/4 | 1,517.74 | 3/4 | 1,860.51 | 3/4 | 2,203.29 | 3/4 | 2,546.06 | 3/4 | 2,888.81 | 3/4 | 3,231.50 |
| 9 | 176.23 | 9 | 496.86 | 9 | 839.57 | 9 | 1,182.11 | 9 | 1,524.88 | 9 | 1,867.65 | 9 | 2,210.43 | 9 | 2,553.20 | 9 | 2,895.95 | 9 | 3,238.63 |
| 1/4 | 182.45 | 1/4 | 504.01 | 1/4 | 846.70 | 1/4 | 1,189.25 | 1/4 | 1,532.02 | 1/4 | 1,874.80 | 1/4 | 2,217.57 | 1/4 | 2,560.34 | 1/4 | 2,903.09 | 1/4 | 3,245.77 |
| 1/2 | 188.68 | 1/2 | 511.15 | 1/2 | 853.83 | 1/2 | 1,196.39 | 1/2 | 1,539.16 | 1/2 | 1,881.94 | 1/2 | 2,224.71 | 1/2 | 2,567.48 | 1/2 | 2,910.23 | 1/2 | 3,252.91 |
| 3/4 | 194.90 | 3/4 | 518.29 | 3/4 | 860.97 | 3/4 | 1,203.53 | 3/4 | 1,546.30 | 3/4 | 1,889.08 | 3/4 | 2,231.85 | 3/4 | 2,574.62 | 3/4 | 2,917.37 | 3/4 | 3,260.05 |
| 10 | 201.12 | 10 | 525.43 | 10 | 868.10 | 10 | 1,210.67 | 10 | 1,553.45 | 10 | 1,896.22 | 10 | 2,238.99 | 10 | 2,581.76 | 10 | 2,924.51 | 10 | 3,267.19 |
| 1/4 | 207.43 | 1/4 | 532.57 | 1/4 | 875.23 | 1/4 | 1,217.81 | 1/4 | 1,560.59 | 1/4 | 1,903.36 | 1/4 | 2,246.13 | 1/4 | 2,588.91 | 1/4 | 2,931.65 | 1/4 | 3,274.33 |
| 1/2 | 213.73 | 1/2 | 539.71 | 1/2 | 882.36 | 1/2 | 1,224.96 | 1/2 | 1,567.73 | 1/2 | 1,910.50 | 1/2 | 2,253.27 | 1/2 | 2,596.05 | 1/2 | 2,938.79 | 1/2 | 3,281.47 |
| 3/4 | 220.04 | 3/4 | 546.85 | 3/4 | 889.49 | 3/4 | 1,232.10 | 3/4 | 1,574.87 | 3/4 | 1,917.64 | 3/4 | 2,260.41 | 3/4 | 2,603.19 | 3/4 | 2,945.93 | 3/4 | 3,288.61 |
| 11 | 226.34 | 11 | 553.99 | 11 | 896.63 | 11 | 1,239.24 | 11 | 1,582.01 | 11 | 1,924.78 | 11 | 2,267.56 | 11 | 2,610.33 | 11 | 2,953.07 | 11 | 3,295.74 |
| 1/4 | 232.73 | 1/4 | 561.13 | 1/4 | 903.76 | 1/4 | 1,246.38 | 1/4 | 1,589.15 | 1/4 | 1,931.92 | 1/4 | 2,274.70 | 1/4 | 2,617.47 | 1/4 | 2,960.21 | 1/4 | 3,302.88 |
| 1/2 | 239.12 | 1/2 | 568.27 | 1/2 | 910.89 | 1/2 | 1,253.52 | 1/2 | 1,596.29 | 1/2 | 1,939.07 | 1/2 | 2,281.84 | 1/2 | 2,624.61 | 1/2 | 2,967.35 | 1/2 | 3,310.02 |
| 3/4 | 245.51 | 3/4 | 575.41 | 3/4 | 918.02 | 3/4 | 1,260.66 | 3/4 | 1,603.43 | 3/4 | 1,946.21 | 3/4 | 2,288.98 | 3/4 | 2,631.75 | 3/4 | 2,974.49 | 3/4 | 3,317.16 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.**
**GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 1 STBD

### INNAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3,324.30 | 0 | 3,666.96 | 0 | 4,009.72 | 0 | 4,352.01 | 0 | 4,693.19 | 0 | 5,014.24 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,331.44 | 1/4 | 3,674.10 | 1/4 | 4,016.86 | 1/4 | 4,359.12 | 1/4 | 4,700.30 | 1/4 | 5,017.44 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,338.58 | 1/2 | 3,681.25 | 1/2 | 4,024.00 | 1/2 | 4,366.23 | 1/2 | 4,707.41 | 1/2 | 5,020.63 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,345.71 | 3/4 | 3,688.39 | 3/4 | 4,031.14 | 3/4 | 4,373.33 | 3/4 | 4,714.52 | 3/4 | 5,023.83 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,352.85 | 1 | 3,695.53 | 1 | 4,038.28 | 1 | 4,380.44 | 1 | 4,721.63 | 1 | 5,027.02 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,359.99 | 1/4 | 3,702.67 | 1/4 | 4,045.42 | 1/4 | 4,387.55 | 1/4 | 4,728.73 | 1/4 | 5,029.03 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,367.13 | 1/2 | 3,709.81 | 1/2 | 4,052.56 | 1/2 | 4,394.66 | 1/2 | 4,735.84 | 1/2 | 5,031.03 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,374.27 | 3/4 | 3,716.95 | 3/4 | 4,059.70 | 3/4 | 4,401.77 | 3/4 | 4,742.95 | 3/4 | 5,033.04 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,381.41 | 2 | 3,724.09 | 2 | 4,066.84 | 2 | 4,408.87 | 2 | 4,750.06 | 2 | 5,035.04 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,388.55 | 1/4 | 3,731.23 | 1/4 | 4,073.98 | 1/4 | 4,415.98 | 1/4 | 4,757.17 | 1/4 | 5,035.97 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,395.69 | 1/2 | 3,738.37 | 1/2 | 4,081.12 | 1/2 | 4,423.09 | 1/2 | 4,764.27 | 1/2 | 5,036.90 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,402.82 | 3/4 | 3,745.51 | 3/4 | 4,088.27 | 3/4 | 4,430.20 | 3/4 | 4,771.38 | 3/4 | 5,037.83 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,409.96 | 3 | 3,752.65 | 3 | 4,095.41 | 3 | 4,437.31 | 3 | 4,778.49 | 3 | 5,038.75 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,417.10 | 1/4 | 3,759.79 | 1/4 | 4,102.55 | 1/4 | 4,444.41 | 1/4 | 4,785.60 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,424.24 | 1/2 | 3,766.93 | 1/2 | 4,109.69 | 1/2 | 4,451.52 | 1/2 | 4,792.71 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,431.38 | 3/4 | 3,774.07 | 3/4 | 4,116.83 | 3/4 | 4,458.63 | 3/4 | 4,799.81 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,438.52 | 4 | 3,781.22 | 4 | 4,123.97 | 4 | 4,465.74 | 4 | 4,806.92 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,445.66 | 1/4 | 3,788.36 | 1/4 | 4,131.11 | 1/4 | 4,472.85 | 1/4 | 4,814.01 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,452.80 | 1/2 | 3,795.50 | 1/2 | 4,138.25 | 1/2 | 4,479.95 | 1/2 | 4,821.09 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,459.93 | 3/4 | 3,802.64 | 3/4 | 4,145.39 | 3/4 | 4,487.06 | 3/4 | 4,828.18 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,467.07 | 5 | 3,809.78 | 5 | 4,152.53 | 5 | 4,494.17 | 5 | 4,835.26 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,474.21 | 1/4 | 3,816.92 | 1/4 | 4,159.67 | 1/4 | 4,501.28 | 1/4 | 4,842.33 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,481.35 | 1/2 | 3,824.06 | 1/2 | 4,166.81 | 1/2 | 4,508.39 | 1/2 | 4,849.39 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,488.49 | 3/4 | 3,831.20 | 3/4 | 4,173.95 | 3/4 | 4,515.49 | 3/4 | 4,856.45 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,495.63 | 6 | 3,838.34 | 6 | 4,181.09 | 6 | 4,522.60 | 6 | 4,863.52 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,502.77 | 1/4 | 3,845.48 | 1/4 | 4,188.24 | 1/4 | 4,529.71 | 1/4 | 4,870.58 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,509.91 | 1/2 | 3,852.62 | 1/2 | 4,195.38 | 1/2 | 4,536.82 | 1/2 | 4,877.64 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,517.04 | 3/4 | 3,859.76 | 3/4 | 4,202.52 | 3/4 | 4,543.93 | 3/4 | 4,884.70 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,524.18 | 7 | 3,866.90 | 7 | 4,209.66 | 7 | 4,551.03 | 7 | 4,891.76 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,531.32 | 1/4 | 3,874.04 | 1/4 | 4,216.80 | 1/4 | 4,558.14 | 1/4 | 4,898.82 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,538.46 | 1/2 | 3,881.19 | 1/2 | 4,223.94 | 1/2 | 4,565.25 | 1/2 | 4,905.88 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,545.60 | 3/4 | 3,888.33 | 3/4 | 4,231.08 | 3/4 | 4,572.36 | 3/4 | 4,912.93 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,552.74 | 8 | 3,895.47 | 8 | 4,238.22 | 8 | 4,579.47 | 8 | 4,919.99 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,559.88 | 1/4 | 3,902.61 | 1/4 | 4,245.34 | 1/4 | 4,586.57 | 1/4 | 4,927.01 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,567.01 | 1/2 | 3,909.75 | 1/2 | 4,252.47 | 1/2 | 4,593.68 | 1/2 | 4,934.03 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,574.15 | 3/4 | 3,916.89 | 3/4 | 4,259.59 | 3/4 | 4,600.79 | 3/4 | 4,941.05 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,581.29 | 9 | 3,924.03 | 9 | 4,266.71 | 9 | 4,607.90 | 9 | 4,948.07 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,588.43 | 1/4 | 3,931.17 | 1/4 | 4,273.82 | 1/4 | 4,615.01 | 1/4 | 4,954.65 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,595.57 | 1/2 | 3,938.31 | 1/2 | 4,280.93 | 1/2 | 4,622.11 | 1/2 | 4,961.24 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,602.71 | 3/4 | 3,945.45 | 3/4 | 4,288.04 | 3/4 | 4,629.22 | 3/4 | 4,967.82 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,609.85 | 10 | 3,952.59 | 10 | 4,295.15 | 10 | 4,636.33 | 10 | 4,974.40 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,616.99 | 1/4 | 3,959.73 | 1/4 | 4,302.25 | 1/4 | 4,643.44 | 1/4 | 4,979.98 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,624.12 | 1/2 | 3,966.87 | 1/2 | 4,309.36 | 1/2 | 4,650.55 | 1/2 | 4,985.55 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,631.26 | 3/4 | 3,974.01 | 3/4 | 4,316.47 | 3/4 | 4,657.65 | 3/4 | 4,991.13 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,638.40 | 11 | 3,981.15 | 11 | 4,323.58 | 11 | 4,664.76 | 11 | 4,996.70 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,645.54 | 1/4 | 3,988.30 | 1/4 | 4,330.69 | 1/4 | 4,671.87 | 1/4 | 5,001.09 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,652.68 | 1/2 | 3,995.44 | 1/2 | 4,337.79 | 1/2 | 4,678.98 | 1/2 | 5,005.47 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,659.82 | 3/4 | 4,002.58 | 3/4 | 4,344.90 | 3/4 | 4,686.09 | 3/4 | 5,009.86 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
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# BARGE "FMT 3310"

## 2 PORT

### INNAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.16 | 0 | 301.06 | 0 | 644.94 | 0 | 980.94 | 0 | 1,318.18 | 0 | 1,662.07 | 0 | 2,005.96 | 0 | 2,349.85 | 0 | 2,693.75 | 0 | 3,037.64 |
| 1/4 | 3.95 | 1/4 | 308.22 | 1/4 | 652.10 | 1/4 | 987.79 | 1/4 | 1,325.35 | 1/4 | 1,669.24 | 1/4 | 2,013.13 | 1/4 | 2,357.02 | 1/4 | 2,700.91 | 1/4 | 3,044.80 |
| 1/2 | 5.74 | 1/2 | 315.39 | 1/2 | 659.26 | 1/2 | 994.65 | 1/2 | 1,332.51 | 1/2 | 1,676.40 | 1/2 | 2,020.29 | 1/2 | 2,364.18 | 1/2 | 2,708.07 | 1/2 | 3,051.95 |
| 3/4 | 7.53 | 3/4 | 322.55 | 3/4 | 666.43 | 3/4 | 1,001.51 | 3/4 | 1,339.67 | 3/4 | 1,683.57 | 3/4 | 2,027.46 | 3/4 | 2,371.35 | 3/4 | 2,715.24 | 3/4 | 3,059.11 |
| 1 | 9.32 | 1 | 329.72 | 1 | 673.59 | 1 | 1,008.36 | 1 | 1,346.84 | 1 | 1,690.73 | 1 | 2,034.62 | 1 | 2,378.51 | 1 | 2,722.40 | 1 | 3,066.27 |
| 1/4 | 12.90 | 1/4 | 336.88 | 1/4 | 680.76 | 1/4 | 1,015.22 | 1/4 | 1,354.00 | 1/4 | 1,697.89 | 1/4 | 2,041.79 | 1/4 | 2,385.68 | 1/4 | 2,729.57 | 1/4 | 3,073.43 |
| 1/2 | 16.48 | 1/2 | 344.04 | 1/2 | 687.92 | 1/2 | 1,022.07 | 1/2 | 1,361.17 | 1/2 | 1,705.06 | 1/2 | 2,048.95 | 1/2 | 2,392.84 | 1/2 | 2,736.73 | 1/2 | 3,080.60 |
| 3/4 | 20.07 | 3/4 | 351.21 | 3/4 | 695.08 | 3/4 | 1,028.93 | 3/4 | 1,368.33 | 3/4 | 1,712.22 | 3/4 | 2,056.11 | 3/4 | 2,400.01 | 3/4 | 2,743.90 | 3/4 | 3,087.76 |
| 2 | 23.65 | 2 | 358.37 | 2 | 702.25 | 2 | 1,035.79 | 2 | 1,375.50 | 2 | 1,719.39 | 2 | 2,063.28 | 2 | 2,407.17 | 2 | 2,751.06 | 2 | 3,094.92 |
| 1/4 | 29.02 | 1/4 | 365.54 | 1/4 | 709.41 | 1/4 | 1,042.64 | 1/4 | 1,382.66 | 1/4 | 1,726.55 | 1/4 | 2,070.44 | 1/4 | 2,414.33 | 1/4 | 2,758.23 | 1/4 | 3,102.08 |
| 1/2 | 34.39 | 1/2 | 372.70 | 1/2 | 716.58 | 1/2 | 1,049.50 | 1/2 | 1,389.83 | 1/2 | 1,733.72 | 1/2 | 2,077.61 | 1/2 | 2,421.50 | 1/2 | 2,765.39 | 1/2 | 3,109.24 |
| 3/4 | 39.77 | 3/4 | 379.86 | 3/4 | 723.74 | 3/4 | 1,056.36 | 3/4 | 1,396.99 | 3/4 | 1,740.88 | 3/4 | 2,084.77 | 3/4 | 2,428.66 | 3/4 | 2,772.55 | 3/4 | 3,116.41 |
| 3 | 45.14 | 3 | 387.03 | 3 | 730.90 | 3 | 1,063.21 | 3 | 1,404.15 | 3 | 1,748.05 | 3 | 2,091.94 | 3 | 2,435.83 | 3 | 2,779.72 | 3 | 3,123.57 |
| 1/4 | 51.84 | 1/4 | 394.19 | 1/4 | 738.07 | 1/4 | 1,070.07 | 1/4 | 1,411.32 | 1/4 | 1,755.21 | 1/4 | 2,099.10 | 1/4 | 2,442.99 | 1/4 | 2,786.88 | 1/4 | 3,130.73 |
| 1/2 | 58.53 | 1/2 | 401.36 | 1/2 | 745.23 | 1/2 | 1,076.93 | 1/2 | 1,418.48 | 1/2 | 1,762.37 | 1/2 | 2,106.27 | 1/2 | 2,450.16 | 1/2 | 2,794.05 | 1/2 | 3,137.89 |
| 3/4 | 65.23 | 3/4 | 408.52 | 3/4 | 752.40 | 3/4 | 1,083.79 | 3/4 | 1,425.65 | 3/4 | 1,769.54 | 3/4 | 2,113.43 | 3/4 | 2,457.32 | 3/4 | 2,801.21 | 3/4 | 3,145.06 |
| 4 | 71.93 | 4 | 415.68 | 4 | 759.56 | 4 | 1,090.65 | 4 | 1,432.81 | 4 | 1,776.70 | 4 | 2,120.59 | 4 | 2,464.49 | 4 | 2,808.38 | 4 | 3,152.22 |
| 1/4 | 79.07 | 1/4 | 422.85 | 1/4 | 766.73 | 1/4 | 1,097.53 | 1/4 | 1,439.98 | 1/4 | 1,783.87 | 1/4 | 2,127.76 | 1/4 | 2,471.65 | 1/4 | 2,815.54 | 1/4 | 3,159.38 |
| 1/2 | 86.21 | 1/2 | 430.01 | 1/2 | 773.89 | 1/2 | 1,104.40 | 1/2 | 1,447.14 | 1/2 | 1,791.03 | 1/2 | 2,134.92 | 1/2 | 2,478.81 | 1/2 | 2,822.71 | 1/2 | 3,166.54 |
| 3/4 | 93.35 | 3/4 | 437.18 | 3/4 | 781.05 | 3/4 | 1,111.27 | 3/4 | 1,454.30 | 3/4 | 1,798.20 | 3/4 | 2,142.09 | 3/4 | 2,485.98 | 3/4 | 2,829.87 | 3/4 | 3,173.71 |
| 5 | 100.49 | 5 | 444.34 | 5 | 788.22 | 5 | 1,118.14 | 5 | 1,461.47 | 5 | 1,805.36 | 5 | 2,149.25 | 5 | 2,493.14 | 5 | 2,837.03 | 5 | 3,180.87 |
| 1/4 | 107.65 | 1/4 | 451.51 | 1/4 | 795.24 | 1/4 | 1,125.17 | 1/4 | 1,468.63 | 1/4 | 1,812.52 | 1/4 | 2,156.42 | 1/4 | 2,500.31 | 1/4 | 2,844.20 | 1/4 | 3,188.03 |
| 1/2 | 114.81 | 1/2 | 458.67 | 1/2 | 802.26 | 1/2 | 1,132.19 | 1/2 | 1,475.80 | 1/2 | 1,819.69 | 1/2 | 2,163.58 | 1/2 | 2,507.47 | 1/2 | 2,851.36 | 1/2 | 3,195.19 |
| 3/4 | 121.96 | 3/4 | 465.83 | 3/4 | 809.29 | 3/4 | 1,139.21 | 3/4 | 1,482.96 | 3/4 | 1,826.85 | 3/4 | 2,170.74 | 3/4 | 2,514.64 | 3/4 | 2,858.53 | 3/4 | 3,202.35 |
| 6 | 129.12 | 6 | 473.00 | 6 | 816.31 | 6 | 1,146.24 | 6 | 1,490.13 | 6 | 1,834.02 | 6 | 2,177.91 | 6 | 2,521.80 | 6 | 2,865.69 | 6 | 3,209.52 |
| 1/4 | 136.29 | 1/4 | 480.16 | 1/4 | 823.18 | 1/4 | 1,153.40 | 1/4 | 1,497.29 | 1/4 | 1,841.18 | 1/4 | 2,185.07 | 1/4 | 2,528.96 | 1/4 | 2,872.86 | 1/4 | 3,216.68 |
| 1/2 | 143.45 | 1/2 | 487.33 | 1/2 | 830.05 | 1/2 | 1,160.56 | 1/2 | 1,504.46 | 1/2 | 1,848.35 | 1/2 | 2,192.24 | 1/2 | 2,536.13 | 1/2 | 2,880.02 | 1/2 | 3,223.84 |
| 3/4 | 150.61 | 3/4 | 494.49 | 3/4 | 836.93 | 3/4 | 1,167.73 | 3/4 | 1,511.62 | 3/4 | 1,855.51 | 3/4 | 2,199.40 | 3/4 | 2,543.29 | 3/4 | 2,887.18 | 3/4 | 3,231.00 |
| 7 | 157.78 | 7 | 501.65 | 7 | 843.80 | 7 | 1,174.89 | 7 | 1,518.78 | 7 | 1,862.68 | 7 | 2,206.57 | 7 | 2,550.46 | 7 | 2,894.35 | 7 | 3,238.17 |
| 1/4 | 164.94 | 1/4 | 508.82 | 1/4 | 850.66 | 1/4 | 1,182.06 | 1/4 | 1,525.95 | 1/4 | 1,869.84 | 1/4 | 2,213.73 | 1/4 | 2,557.62 | 1/4 | 2,901.51 | 1/4 | 3,245.33 |
| 1/2 | 172.11 | 1/2 | 515.98 | 1/2 | 857.52 | 1/2 | 1,189.22 | 1/2 | 1,533.11 | 1/2 | 1,877.00 | 1/2 | 2,220.90 | 1/2 | 2,564.79 | 1/2 | 2,908.68 | 1/2 | 3,252.49 |
| 3/4 | 179.27 | 3/4 | 523.15 | 3/4 | 864.38 | 3/4 | 1,196.39 | 3/4 | 1,540.28 | 3/4 | 1,884.17 | 3/4 | 2,228.06 | 3/4 | 2,571.95 | 3/4 | 2,915.84 | 3/4 | 3,259.65 |
| 8 | 186.43 | 8 | 530.31 | 8 | 871.24 | 8 | 1,203.55 | 8 | 1,547.44 | 8 | 1,891.33 | 8 | 2,235.22 | 8 | 2,579.12 | 8 | 2,923.01 | 8 | 3,266.82 |
| 1/4 | 193.60 | 1/4 | 537.47 | 1/4 | 878.10 | 1/4 | 1,210.72 | 1/4 | 1,554.61 | 1/4 | 1,898.50 | 1/4 | 2,242.39 | 1/4 | 2,586.28 | 1/4 | 2,930.17 | 1/4 | 3,273.98 |
| 1/2 | 200.76 | 1/2 | 544.64 | 1/2 | 884.95 | 1/2 | 1,217.88 | 1/2 | 1,561.77 | 1/2 | 1,905.66 | 1/2 | 2,249.55 | 1/2 | 2,593.44 | 1/2 | 2,937.34 | 1/2 | 3,281.14 |
| 3/4 | 207.93 | 3/4 | 551.80 | 3/4 | 891.81 | 3/4 | 1,225.04 | 3/4 | 1,568.94 | 3/4 | 1,912.83 | 3/4 | 2,256.72 | 3/4 | 2,600.61 | 3/4 | 2,944.50 | 3/4 | 3,288.30 |
| 9 | 215.09 | 9 | 558.97 | 9 | 898.66 | 9 | 1,232.21 | 9 | 1,576.10 | 9 | 1,919.99 | 9 | 2,263.88 | 9 | 2,607.77 | 9 | 2,951.66 | 9 | 3,295.46 |
| 1/4 | 222.25 | 1/4 | 566.13 | 1/4 | 905.52 | 1/4 | 1,239.37 | 1/4 | 1,583.26 | 1/4 | 1,927.16 | 1/4 | 2,271.05 | 1/4 | 2,614.94 | 1/4 | 2,958.83 | 1/4 | 3,302.63 |
| 1/2 | 229.42 | 1/2 | 573.29 | 1/2 | 912.38 | 1/2 | 1,246.54 | 1/2 | 1,590.43 | 1/2 | 1,934.32 | 1/2 | 2,278.21 | 1/2 | 2,622.10 | 1/2 | 2,965.99 | 1/2 | 3,309.79 |
| 3/4 | 236.58 | 3/4 | 580.46 | 3/4 | 919.23 | 3/4 | 1,253.70 | 3/4 | 1,597.59 | 3/4 | 1,941.48 | 3/4 | 2,285.38 | 3/4 | 2,629.27 | 3/4 | 2,973.16 | 3/4 | 3,316.95 |
| 10 | 243.75 | 10 | 587.62 | 10 | 926.09 | 10 | 1,260.87 | 10 | 1,604.76 | 10 | 1,948.65 | 10 | 2,292.54 | 10 | 2,636.43 | 10 | 2,980.32 | 10 | 3,324.11 |
| 1/4 | 250.91 | 1/4 | 594.79 | 1/4 | 932.94 | 1/4 | 1,268.03 | 1/4 | 1,611.92 | 1/4 | 1,955.81 | 1/4 | 2,299.70 | 1/4 | 2,643.60 | 1/4 | 2,987.49 | 1/4 | 3,331.28 |
| 1/2 | 258.07 | 1/2 | 601.95 | 1/2 | 939.80 | 1/2 | 1,275.19 | 1/2 | 1,619.09 | 1/2 | 1,962.98 | 1/2 | 2,306.87 | 1/2 | 2,650.76 | 1/2 | 2,994.65 | 1/2 | 3,338.44 |
| 3/4 | 265.24 | 3/4 | 609.12 | 3/4 | 946.66 | 3/4 | 1,282.36 | 3/4 | 1,626.25 | 3/4 | 1,970.14 | 3/4 | 2,314.03 | 3/4 | 2,657.92 | 3/4 | 3,001.82 | 3/4 | 3,345.60 |
| 11 | 272.40 | 11 | 616.28 | 11 | 953.51 | 11 | 1,289.52 | 11 | 1,633.41 | 11 | 1,977.31 | 11 | 2,321.20 | 11 | 2,665.09 | 11 | 3,008.98 | 11 | 3,352.76 |
| 1/4 | 279.57 | 1/4 | 623.44 | 1/4 | 960.37 | 1/4 | 1,296.69 | 1/4 | 1,640.58 | 1/4 | 1,984.47 | 1/4 | 2,328.36 | 1/4 | 2,672.25 | 1/4 | 3,016.14 | 1/4 | 3,359.93 |
| 1/2 | 286.73 | 1/2 | 630.61 | 1/2 | 967.22 | 1/2 | 1,303.85 | 1/2 | 1,647.74 | 1/2 | 1,991.63 | 1/2 | 2,335.53 | 1/2 | 2,679.42 | 1/2 | 3,023.31 | 1/2 | 3,367.09 |
| 3/4 | 293.89 | 3/4 | 637.77 | 3/4 | 974.08 | 3/4 | 1,311.02 | 3/4 | 1,654.91 | 3/4 | 1,998.80 | 3/4 | 2,342.69 | 3/4 | 2,686.58 | 3/4 | 3,030.47 | 3/4 | 3,374.25 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.**
**GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 2 PORT

### INNAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3,381.41 | 0 | 3,725.20 | 0 | 4,068.99 | 0 | 4,412.33 | 0 | 4,754.56 | 0 | 5,076.57 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,388.57 | 1/4 | 3,732.36 | 1/4 | 4,076.16 | 1/4 | 4,419.46 | 1/4 | 4,761.69 | 1/4 | 5,079.78 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,395.74 | 1/2 | 3,739.53 | 1/2 | 4,083.32 | 1/2 | 4,426.59 | 1/2 | 4,768.82 | 1/2 | 5,082.98 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,402.90 | 3/4 | 3,746.69 | 3/4 | 4,090.48 | 3/4 | 4,433.72 | 3/4 | 4,775.95 | 3/4 | 5,086.18 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,410.06 | 1 | 3,753.85 | 1 | 4,097.64 | 1 | 4,440.85 | 1 | 4,783.07 | 1 | 5,089.39 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,417.22 | 1/4 | 3,761.01 | 1/4 | 4,104.80 | 1/4 | 4,447.98 | 1/4 | 4,790.20 | 1/4 | 5,091.40 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,424.39 | 1/2 | 3,768.18 | 1/2 | 4,111.97 | 1/2 | 4,455.11 | 1/2 | 4,797.33 | 1/2 | 5,093.41 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,431.55 | 3/4 | 3,775.34 | 3/4 | 4,119.13 | 3/4 | 4,462.24 | 3/4 | 4,804.46 | 3/4 | 5,095.42 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,438.71 | 2 | 3,782.50 | 2 | 4,126.29 | 2 | 4,469.37 | 2 | 4,811.59 | 2 | 5,097.43 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,445.87 | 1/4 | 3,789.66 | 1/4 | 4,133.45 | 1/4 | 4,476.50 | 1/4 | 4,818.72 | 1/4 | 5,098.36 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,453.04 | 1/2 | 3,796.83 | 1/2 | 4,140.62 | 1/2 | 4,483.63 | 1/2 | 4,825.85 | 1/2 | 5,099.29 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,460.20 | 3/4 | 3,803.99 | 3/4 | 4,147.78 | 3/4 | 4,490.76 | 3/4 | 4,832.98 | 3/4 | 5,100.22 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,467.36 | 3 | 3,811.15 | 3 | 4,154.94 | 3 | 4,497.89 | 3 | 4,840.11 | 3 | 5,101.15 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,474.52 | 1/4 | 3,818.31 | 1/4 | 4,162.10 | 1/4 | 4,505.02 | 1/4 | 4,847.24 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,481.68 | 1/2 | 3,825.47 | 1/2 | 4,169.27 | 1/2 | 4,512.15 | 1/2 | 4,854.37 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,488.85 | 3/4 | 3,832.64 | 3/4 | 4,176.43 | 3/4 | 4,519.28 | 3/4 | 4,861.50 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,496.01 | 4 | 3,839.80 | 4 | 4,183.59 | 4 | 4,526.41 | 4 | 4,868.63 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,503.17 | 1/4 | 3,846.96 | 1/4 | 4,190.75 | 1/4 | 4,533.54 | 1/4 | 4,875.74 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,510.33 | 1/2 | 3,854.12 | 1/2 | 4,197.91 | 1/2 | 4,540.67 | 1/2 | 4,882.84 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,517.50 | 3/4 | 3,861.29 | 3/4 | 4,205.08 | 3/4 | 4,547.79 | 3/4 | 4,889.95 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,524.66 | 5 | 3,868.45 | 5 | 4,212.24 | 5 | 4,554.92 | 5 | 4,897.05 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,531.82 | 1/4 | 3,875.61 | 1/4 | 4,219.40 | 1/4 | 4,562.05 | 1/4 | 4,904.14 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,538.98 | 1/2 | 3,882.77 | 1/2 | 4,226.56 | 1/2 | 4,569.18 | 1/2 | 4,911.22 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,546.15 | 3/4 | 3,889.94 | 3/4 | 4,233.73 | 3/4 | 4,576.31 | 3/4 | 4,918.31 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,553.31 | 6 | 3,897.10 | 6 | 4,240.89 | 6 | 4,583.44 | 6 | 4,925.39 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,560.47 | 1/4 | 3,904.26 | 1/4 | 4,248.05 | 1/4 | 4,590.57 | 1/4 | 4,932.48 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,567.63 | 1/2 | 3,911.42 | 1/2 | 4,255.21 | 1/2 | 4,597.70 | 1/2 | 4,939.56 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,574.79 | 3/4 | 3,918.58 | 3/4 | 4,262.37 | 3/4 | 4,604.83 | 3/4 | 4,946.64 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,581.96 | 7 | 3,925.75 | 7 | 4,269.54 | 7 | 4,611.96 | 7 | 4,953.73 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,589.12 | 1/4 | 3,932.91 | 1/4 | 4,276.70 | 1/4 | 4,619.09 | 1/4 | 4,960.80 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,596.28 | 1/2 | 3,940.07 | 1/2 | 4,283.86 | 1/2 | 4,626.22 | 1/2 | 4,967.88 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,603.44 | 3/4 | 3,947.23 | 3/4 | 4,291.02 | 3/4 | 4,633.35 | 3/4 | 4,974.95 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,610.61 | 8 | 3,954.40 | 8 | 4,298.19 | 8 | 4,640.48 | 8 | 4,982.03 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,617.77 | 1/4 | 3,961.56 | 1/4 | 4,305.33 | 1/4 | 4,647.61 | 1/4 | 4,989.07 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,624.93 | 1/2 | 3,968.72 | 1/2 | 4,312.48 | 1/2 | 4,654.74 | 1/2 | 4,996.12 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,632.09 | 3/4 | 3,975.88 | 3/4 | 4,319.63 | 3/4 | 4,661.87 | 3/4 | 5,003.16 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,639.25 | 9 | 3,983.05 | 9 | 4,326.77 | 9 | 4,669.00 | 9 | 5,010.20 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,646.42 | 1/4 | 3,990.21 | 1/4 | 4,333.90 | 1/4 | 4,676.13 | 1/4 | 5,016.80 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,653.58 | 1/2 | 3,997.37 | 1/2 | 4,341.03 | 1/2 | 4,683.26 | 1/2 | 5,023.41 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,660.74 | 3/4 | 4,004.53 | 3/4 | 4,348.16 | 3/4 | 4,690.39 | 3/4 | 5,030.01 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,667.90 | 10 | 4,011.69 | 10 | 4,355.29 | 10 | 4,697.52 | 10 | 5,036.61 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,675.07 | 1/4 | 4,018.86 | 1/4 | 4,362.42 | 1/4 | 4,704.65 | 1/4 | 5,042.20 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,682.23 | 1/2 | 4,026.02 | 1/2 | 4,369.55 | 1/2 | 4,711.78 | 1/2 | 5,047.80 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,689.39 | 3/4 | 4,033.18 | 3/4 | 4,376.68 | 3/4 | 4,718.91 | 3/4 | 5,053.39 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,696.55 | 11 | 4,040.34 | 11 | 4,383.81 | 11 | 4,726.04 | 11 | 5,058.98 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,703.72 | 1/4 | 4,047.51 | 1/4 | 4,390.94 | 1/4 | 4,733.17 | 1/4 | 5,063.38 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,710.88 | 1/2 | 4,054.67 | 1/2 | 4,398.07 | 1/2 | 4,740.30 | 1/2 | 5,067.78 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,718.04 | 3/4 | 4,061.83 | 3/4 | 4,405.20 | 3/4 | 4,747.43 | 3/4 | 5,072.17 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
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# BARGE "FMT 3310"

## 2 STBD

### INNAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/2"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.16 | 0 | 301.27 | 0 | 645.38 | 0 | 989.22 | 0 | 1,333.12 | 0 | 1,677.25 | 0 | 2,021.38 | 0 | 2,365.50 | 0 | 2,709.63 | 0 | 3,053.75 |
| 1/4 | 3.95 | 1/4 | 308.43 | 1/4 | 652.55 | 1/4 | 996.37 | 1/4 | 1,340.29 | 1/4 | 1,684.42 | 1/4 | 2,028.54 | 1/4 | 2,372.67 | 1/4 | 2,716.80 | 1/4 | 3,060.92 |
| 1/2 | 5.74 | 1/2 | 315.60 | 1/2 | 659.72 | 1/2 | 1,003.53 | 1/2 | 1,347.46 | 1/2 | 1,691.59 | 1/2 | 2,035.71 | 1/2 | 2,379.84 | 1/2 | 2,723.97 | 1/2 | 3,068.08 |
| 3/4 | 7.54 | 3/4 | 322.77 | 3/4 | 666.88 | 3/4 | 1,010.68 | 3/4 | 1,354.63 | 3/4 | 1,698.76 | 3/4 | 2,042.88 | 3/4 | 2,387.01 | 3/4 | 2,731.14 | 3/4 | 3,075.25 |
| 1 | 9.33 | 1 | 329.94 | 1 | 674.05 | 1 | 1,017.84 | 1 | 1,361.80 | 1 | 1,705.93 | 1 | 2,050.05 | 1 | 2,394.18 | 1 | 2,738.31 | 1 | 3,082.41 |
| 1/4 | 12.91 | 1/4 | 337.11 | 1/4 | 681.22 | 1/4 | 1,024.99 | 1/4 | 1,368.97 | 1/4 | 1,713.10 | 1/4 | 2,057.22 | 1/4 | 2,401.35 | 1/4 | 2,745.47 | 1/4 | 3,089.58 |
| 1/2 | 16.50 | 1/2 | 344.28 | 1/2 | 688.39 | 1/2 | 1,032.15 | 1/2 | 1,376.14 | 1/2 | 1,720.26 | 1/2 | 2,064.39 | 1/2 | 2,408.52 | 1/2 | 2,752.64 | 1/2 | 3,096.75 |
| 3/4 | 20.08 | 3/4 | 351.45 | 3/4 | 695.56 | 3/4 | 1,039.30 | 3/4 | 1,383.31 | 3/4 | 1,727.43 | 3/4 | 2,071.56 | 3/4 | 2,415.69 | 3/4 | 2,759.81 | 3/4 | 3,103.92 |
| 2 | 23.67 | 2 | 358.62 | 2 | 702.73 | 2 | 1,046.46 | 2 | 1,390.48 | 2 | 1,734.60 | 2 | 2,078.73 | 2 | 2,422.86 | 2 | 2,766.98 | 2 | 3,111.08 |
| 1/4 | 29.04 | 1/4 | 365.79 | 1/4 | 709.90 | 1/4 | 1,053.61 | 1/4 | 1,397.65 | 1/4 | 1,741.77 | 1/4 | 2,085.90 | 1/4 | 2,430.03 | 1/4 | 2,774.15 | 1/4 | 3,118.25 |
| 1/2 | 34.42 | 1/2 | 372.96 | 1/2 | 717.07 | 1/2 | 1,060.77 | 1/2 | 1,404.82 | 1/2 | 1,748.94 | 1/2 | 2,093.07 | 1/2 | 2,437.19 | 1/2 | 2,781.32 | 1/2 | 3,125.42 |
| 3/4 | 39.79 | 3/4 | 380.12 | 3/4 | 724.24 | 3/4 | 1,067.92 | 3/4 | 1,411.98 | 3/4 | 1,756.11 | 3/4 | 2,100.24 | 3/4 | 2,444.36 | 3/4 | 2,788.49 | 3/4 | 3,132.59 |
| 3 | 45.17 | 3 | 387.29 | 3 | 731.41 | 3 | 1,075.08 | 3 | 1,419.15 | 3 | 1,763.28 | 3 | 2,107.41 | 3 | 2,451.53 | 3 | 2,795.66 | 3 | 3,139.75 |
| 1/4 | 51.87 | 1/4 | 394.46 | 1/4 | 738.57 | 1/4 | 1,082.24 | 1/4 | 1,426.32 | 1/4 | 1,770.45 | 1/4 | 2,114.58 | 1/4 | 2,458.70 | 1/4 | 2,802.83 | 1/4 | 3,146.92 |
| 1/2 | 58.57 | 1/2 | 401.63 | 1/2 | 745.74 | 1/2 | 1,089.40 | 1/2 | 1,433.49 | 1/2 | 1,777.62 | 1/2 | 2,121.75 | 1/2 | 2,465.87 | 1/2 | 2,810.00 | 1/2 | 3,154.09 |
| 3/4 | 65.28 | 3/4 | 408.80 | 3/4 | 752.91 | 3/4 | 1,096.56 | 3/4 | 1,440.66 | 3/4 | 1,784.79 | 3/4 | 2,128.91 | 3/4 | 2,473.04 | 3/4 | 2,817.17 | 3/4 | 3,161.25 |
| 4 | 71.98 | 4 | 415.97 | 4 | 760.08 | 4 | 1,103.72 | 4 | 1,447.83 | 4 | 1,791.96 | 4 | 2,136.08 | 4 | 2,480.21 | 4 | 2,824.34 | 4 | 3,168.42 |
| 1/4 | 79.12 | 1/4 | 423.14 | 1/4 | 767.25 | 1/4 | 1,110.88 | 1/4 | 1,455.00 | 1/4 | 1,799.13 | 1/4 | 2,143.25 | 1/4 | 2,487.38 | 1/4 | 2,831.51 | 1/4 | 3,175.59 |
| 1/2 | 86.27 | 1/2 | 430.31 | 1/2 | 774.42 | 1/2 | 1,118.05 | 1/2 | 1,462.17 | 1/2 | 1,806.30 | 1/2 | 2,150.42 | 1/2 | 2,494.55 | 1/2 | 2,838.68 | 1/2 | 3,182.76 |
| 3/4 | 93.41 | 3/4 | 437.48 | 3/4 | 781.59 | 3/4 | 1,125.22 | 3/4 | 1,469.34 | 3/4 | 1,813.47 | 3/4 | 2,157.59 | 3/4 | 2,501.72 | 3/4 | 2,845.84 | 3/4 | 3,189.92 |
| 5 | 100.56 | 5 | 444.65 | 5 | 788.76 | 5 | 1,132.38 | 5 | 1,476.51 | 5 | 1,820.64 | 5 | 2,164.76 | 5 | 2,508.89 | 5 | 2,853.01 | 5 | 3,197.09 |
| 1/4 | 107.72 | 1/4 | 451.81 | 1/4 | 795.93 | 1/4 | 1,139.55 | 1/4 | 1,483.68 | 1/4 | 1,827.80 | 1/4 | 2,171.93 | 1/4 | 2,516.06 | 1/4 | 2,860.18 | 1/4 | 3,204.26 |
| 1/2 | 114.89 | 1/2 | 458.98 | 1/2 | 803.10 | 1/2 | 1,146.72 | 1/2 | 1,490.85 | 1/2 | 1,834.97 | 1/2 | 2,179.10 | 1/2 | 2,523.23 | 1/2 | 2,867.35 | 1/2 | 3,211.43 |
| 3/4 | 122.05 | 3/4 | 466.15 | 3/4 | 810.26 | 3/4 | 1,153.89 | 3/4 | 1,498.02 | 3/4 | 1,842.14 | 3/4 | 2,186.27 | 3/4 | 2,530.40 | 3/4 | 2,874.52 | 3/4 | 3,218.59 |
| 6 | 129.21 | 6 | 473.32 | 6 | 817.43 | 6 | 1,161.06 | 6 | 1,505.19 | 6 | 1,849.31 | 6 | 2,193.44 | 6 | 2,537.57 | 6 | 2,881.69 | 6 | 3,225.76 |
| 1/4 | 136.38 | 1/4 | 480.49 | 1/4 | 824.60 | 1/4 | 1,168.23 | 1/4 | 1,512.36 | 1/4 | 1,856.48 | 1/4 | 2,200.61 | 1/4 | 2,544.73 | 1/4 | 2,888.86 | 1/4 | 3,232.93 |
| 1/2 | 143.55 | 1/2 | 487.66 | 1/2 | 831.77 | 1/2 | 1,175.40 | 1/2 | 1,519.52 | 1/2 | 1,863.65 | 1/2 | 2,207.78 | 1/2 | 2,551.90 | 1/2 | 2,896.03 | 1/2 | 3,240.09 |
| 3/4 | 150.72 | 3/4 | 494.83 | 3/4 | 838.93 | 3/4 | 1,182.57 | 3/4 | 1,526.69 | 3/4 | 1,870.82 | 3/4 | 2,214.95 | 3/4 | 2,559.07 | 3/4 | 2,903.20 | 3/4 | 3,247.26 |
| 7 | 157.89 | 7 | 502.00 | 7 | 846.10 | 7 | 1,189.74 | 7 | 1,533.86 | 7 | 1,877.99 | 7 | 2,222.12 | 7 | 2,566.24 | 7 | 2,910.37 | 7 | 3,254.43 |
| 1/4 | 165.05 | 1/4 | 509.17 | 1/4 | 853.26 | 1/4 | 1,196.91 | 1/4 | 1,541.03 | 1/4 | 1,885.16 | 1/4 | 2,229.29 | 1/4 | 2,573.41 | 1/4 | 2,917.54 | 1/4 | 3,261.60 |
| 1/2 | 172.22 | 1/2 | 516.34 | 1/2 | 860.42 | 1/2 | 1,204.08 | 1/2 | 1,548.20 | 1/2 | 1,892.33 | 1/2 | 2,236.45 | 1/2 | 2,580.58 | 1/2 | 2,924.71 | 1/2 | 3,268.76 |
| 3/4 | 179.39 | 3/4 | 523.50 | 3/4 | 867.58 | 3/4 | 1,211.24 | 3/4 | 1,555.37 | 3/4 | 1,899.50 | 3/4 | 2,243.62 | 3/4 | 2,587.75 | 3/4 | 2,931.88 | 3/4 | 3,275.93 |
| 8 | 186.56 | 8 | 530.67 | 8 | 874.74 | 8 | 1,218.41 | 8 | 1,562.54 | 8 | 1,906.67 | 8 | 2,250.79 | 8 | 2,594.92 | 8 | 2,939.05 | 8 | 3,283.10 |
| 1/4 | 193.73 | 1/4 | 537.84 | 1/4 | 881.89 | 1/4 | 1,225.58 | 1/4 | 1,569.71 | 1/4 | 1,913.84 | 1/4 | 2,257.96 | 1/4 | 2,602.09 | 1/4 | 2,946.22 | 1/4 | 3,290.27 |
| 1/2 | 200.90 | 1/2 | 545.01 | 1/2 | 889.05 | 1/2 | 1,232.75 | 1/2 | 1,576.88 | 1/2 | 1,921.01 | 1/2 | 2,265.13 | 1/2 | 2,609.26 | 1/2 | 2,953.38 | 1/2 | 3,297.43 |
| 3/4 | 208.07 | 3/4 | 552.18 | 3/4 | 896.20 | 3/4 | 1,239.92 | 3/4 | 1,584.05 | 3/4 | 1,928.17 | 3/4 | 2,272.30 | 3/4 | 2,616.43 | 3/4 | 2,960.55 | 3/4 | 3,304.60 |
| 9 | 215.24 | 9 | 559.35 | 9 | 903.36 | 9 | 1,247.09 | 9 | 1,591.22 | 9 | 1,935.34 | 9 | 2,279.47 | 9 | 2,623.60 | 9 | 2,967.72 | 9 | 3,311.77 |
| 1/4 | 222.41 | 1/4 | 566.52 | 1/4 | 910.51 | 1/4 | 1,254.26 | 1/4 | 1,598.39 | 1/4 | 1,942.51 | 1/4 | 2,286.64 | 1/4 | 2,630.77 | 1/4 | 2,974.89 | 1/4 | 3,318.94 |
| 1/2 | 229.58 | 1/2 | 573.69 | 1/2 | 917.67 | 1/2 | 1,261.43 | 1/2 | 1,605.56 | 1/2 | 1,949.68 | 1/2 | 2,293.81 | 1/2 | 2,637.94 | 1/2 | 2,982.06 | 1/2 | 3,326.10 |
| 3/4 | 236.74 | 3/4 | 580.86 | 3/4 | 924.82 | 3/4 | 1,268.60 | 3/4 | 1,612.73 | 3/4 | 1,956.85 | 3/4 | 2,300.98 | 3/4 | 2,645.10 | 3/4 | 2,989.23 | 3/4 | 3,333.27 |
| 10 | 243.91 | 10 | 588.03 | 10 | 931.98 | 10 | 1,275.77 | 10 | 1,619.89 | 10 | 1,964.02 | 10 | 2,308.15 | 10 | 2,652.27 | 10 | 2,996.40 | 10 | 3,340.44 |
| 1/4 | 251.08 | 1/4 | 595.19 | 1/4 | 939.13 | 1/4 | 1,282.94 | 1/4 | 1,627.06 | 1/4 | 1,971.19 | 1/4 | 2,315.32 | 1/4 | 2,659.44 | 1/4 | 3,003.57 | 1/4 | 3,347.60 |
| 1/2 | 258.25 | 1/2 | 602.36 | 1/2 | 946.29 | 1/2 | 1,290.11 | 1/2 | 1,634.23 | 1/2 | 1,978.36 | 1/2 | 2,322.49 | 1/2 | 2,666.61 | 1/2 | 3,010.74 | 1/2 | 3,354.77 |
| 3/4 | 265.42 | 3/4 | 609.53 | 3/4 | 953.44 | 3/4 | 1,297.28 | 3/4 | 1,641.40 | 3/4 | 1,985.53 | 3/4 | 2,329.66 | 3/4 | 2,673.78 | 3/4 | 3,017.91 | 3/4 | 3,361.94 |
| 11 | 272.59 | 11 | 616.70 | 11 | 960.60 | 11 | 1,304.45 | 11 | 1,648.57 | 11 | 1,992.70 | 11 | 2,336.82 | 11 | 2,680.95 | 11 | 3,025.08 | 11 | 3,369.11 |
| 1/4 | 279.76 | 1/4 | 623.87 | 1/4 | 967.75 | 1/4 | 1,311.61 | 1/4 | 1,655.74 | 1/4 | 1,999.87 | 1/4 | 2,343.99 | 1/4 | 2,688.12 | 1/4 | 3,032.25 | 1/4 | 3,376.27 |
| 1/2 | 286.93 | 1/2 | 631.04 | 1/2 | 974.91 | 1/2 | 1,318.78 | 1/2 | 1,662.91 | 1/2 | 2,007.04 | 1/2 | 2,351.16 | 1/2 | 2,695.29 | 1/2 | 3,039.42 | 1/2 | 3,383.44 |
| 3/4 | 294.10 | 3/4 | 638.21 | 3/4 | 982.06 | 3/4 | 1,325.95 | 3/4 | 1,670.08 | 3/4 | 2,014.21 | 3/4 | 2,358.33 | 3/4 | 2,702.46 | 3/4 | 3,046.59 | 3/4 | 3,390.61 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.**
**GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 2 STBD

### INNAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3,397.78 | 0 | 3,741.81 | 0 | 4,085.94 | 0 | 4,429.60 | 0 | 4,772.15 | 0 | 5,094.49 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,404.94 | 1/4 | 3,748.98 | 1/4 | 4,093.11 | 1/4 | 4,436.74 | 1/4 | 4,779.29 | 1/4 | 5,097.70 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,412.11 | 1/2 | 3,756.15 | 1/2 | 4,100.28 | 1/2 | 4,443.88 | 1/2 | 4,786.43 | 1/2 | 5,100.91 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,419.28 | 3/4 | 3,763.32 | 3/4 | 4,107.45 | 3/4 | 4,451.01 | 3/4 | 4,793.56 | 3/4 | 5,104.12 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,426.44 | 1 | 3,770.49 | 1 | 4,114.62 | 1 | 4,458.15 | 1 | 4,800.70 | 1 | 5,107.32 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,433.61 | 1/4 | 3,777.66 | 1/4 | 4,121.79 | 1/4 | 4,465.28 | 1/4 | 4,807.84 | 1/4 | 5,109.34 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,440.78 | 1/2 | 3,784.83 | 1/2 | 4,128.96 | 1/2 | 4,472.42 | 1/2 | 4,814.97 | 1/2 | 5,111.35 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,447.95 | 3/4 | 3,792.00 | 3/4 | 4,136.12 | 3/4 | 4,479.56 | 3/4 | 4,822.11 | 3/4 | 5,113.36 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,455.11 | 2 | 3,799.17 | 2 | 4,143.29 | 2 | 4,486.69 | 2 | 4,829.25 | 2 | 5,115.38 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,462.28 | 1/4 | 3,806.34 | 1/4 | 4,150.46 | 1/4 | 4,493.83 | 1/4 | 4,836.38 | 1/4 | 5,116.31 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,469.45 | 1/2 | 3,813.51 | 1/2 | 4,157.63 | 1/2 | 4,500.97 | 1/2 | 4,843.52 | 1/2 | 5,117.24 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,476.62 | 3/4 | 3,820.68 | 3/4 | 4,164.80 | 3/4 | 4,508.10 | 3/4 | 4,850.66 | 3/4 | 5,118.17 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,483.78 | 3 | 3,827.84 | 3 | 4,171.97 | 3 | 4,515.24 | 3 | 4,857.79 | 3 | 5,119.11 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,490.95 | 1/4 | 3,835.01 | 1/4 | 4,179.14 | 1/4 | 4,522.38 | 1/4 | 4,864.93 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,498.12 | 1/2 | 3,842.18 | 1/2 | 4,186.31 | 1/2 | 4,529.51 | 1/2 | 4,872.07 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,505.28 | 3/4 | 3,849.35 | 3/4 | 4,193.48 | 3/4 | 4,536.65 | 3/4 | 4,879.20 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,512.45 | 4 | 3,856.52 | 4 | 4,200.65 | 4 | 4,543.79 | 4 | 4,886.34 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,519.62 | 1/4 | 3,863.69 | 1/4 | 4,207.82 | 1/4 | 4,550.92 | 1/4 | 4,893.45 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,526.79 | 1/2 | 3,870.86 | 1/2 | 4,214.99 | 1/2 | 4,558.06 | 1/2 | 4,900.57 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,533.95 | 3/4 | 3,878.03 | 3/4 | 4,222.16 | 3/4 | 4,565.20 | 3/4 | 4,907.68 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,541.12 | 5 | 3,885.20 | 5 | 4,229.33 | 5 | 4,572.33 | 5 | 4,914.79 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,548.29 | 1/4 | 3,892.37 | 1/4 | 4,236.49 | 1/4 | 4,579.47 | 1/4 | 4,921.88 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,555.46 | 1/2 | 3,899.54 | 1/2 | 4,243.66 | 1/2 | 4,586.61 | 1/2 | 4,928.98 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,562.62 | 3/4 | 3,906.71 | 3/4 | 4,250.83 | 3/4 | 4,593.74 | 3/4 | 4,936.07 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,569.79 | 6 | 3,913.88 | 6 | 4,258.00 | 6 | 4,600.88 | 6 | 4,943.16 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,576.96 | 1/4 | 3,921.05 | 1/4 | 4,265.17 | 1/4 | 4,608.01 | 1/4 | 4,950.25 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,584.13 | 1/2 | 3,928.21 | 1/2 | 4,272.34 | 1/2 | 4,615.15 | 1/2 | 4,957.34 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,591.29 | 3/4 | 3,935.38 | 3/4 | 4,279.51 | 3/4 | 4,622.29 | 3/4 | 4,964.43 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,598.46 | 7 | 3,942.55 | 7 | 4,286.68 | 7 | 4,629.42 | 7 | 4,971.52 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,605.63 | 1/4 | 3,949.72 | 1/4 | 4,293.85 | 1/4 | 4,636.56 | 1/4 | 4,978.60 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,612.79 | 1/2 | 3,956.89 | 1/2 | 4,301.02 | 1/2 | 4,643.70 | 1/2 | 4,985.69 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,619.96 | 3/4 | 3,964.06 | 3/4 | 4,308.19 | 3/4 | 4,650.83 | 3/4 | 4,992.77 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,627.13 | 8 | 3,971.23 | 8 | 4,315.36 | 8 | 4,657.97 | 8 | 4,999.85 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,634.30 | 1/4 | 3,978.40 | 1/4 | 4,322.51 | 1/4 | 4,665.11 | 1/4 | 5,006.90 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,641.46 | 1/2 | 3,985.57 | 1/2 | 4,329.66 | 1/2 | 4,672.24 | 1/2 | 5,013.95 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,648.63 | 3/4 | 3,992.74 | 3/4 | 4,336.81 | 3/4 | 4,679.38 | 3/4 | 5,021.00 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,655.80 | 9 | 3,999.91 | 9 | 4,343.96 | 9 | 4,686.52 | 9 | 5,028.05 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,662.97 | 1/4 | 4,007.08 | 1/4 | 4,351.10 | 1/4 | 4,693.65 | 1/4 | 5,034.66 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,670.13 | 1/2 | 4,014.25 | 1/2 | 4,358.24 | 1/2 | 4,700.79 | 1/2 | 5,041.27 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,677.30 | 3/4 | 4,021.42 | 3/4 | 4,365.37 | 3/4 | 4,707.93 | 3/4 | 5,047.88 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,684.47 | 10 | 4,028.59 | 10 | 4,372.51 | 10 | 4,715.06 | 10 | 5,054.49 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,691.63 | 1/4 | 4,035.75 | 1/4 | 4,379.65 | 1/4 | 4,722.20 | 1/4 | 5,060.09 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,698.80 | 1/2 | 4,042.92 | 1/2 | 4,386.78 | 1/2 | 4,729.34 | 1/2 | 5,065.68 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,705.97 | 3/4 | 4,050.09 | 3/4 | 4,393.92 | 3/4 | 4,736.47 | 3/4 | 5,071.28 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,713.14 | 11 | 4,057.26 | 11 | 4,401.06 | 11 | 4,743.61 | 11 | 5,076.88 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,720.31 | 1/4 | 4,064.43 | 1/4 | 4,408.19 | 1/4 | 4,750.74 | 1/4 | 5,081.28 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,727.47 | 1/2 | 4,071.60 | 1/2 | 4,415.33 | 1/2 | 4,757.88 | 1/2 | 5,085.69 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,734.64 | 3/4 | 4,078.77 | 3/4 | 4,422.47 | 3/4 | 4,765.02 | 3/4 | 5,090.09 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
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# BARGE "FMT 3310"

## 3 PORT

### INNAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.15 | 0 | 299.78 | 0 | 641.75 | 0 | 975.87 | 0 | 1,311.19 | 0 | 1,652.99 | 0 | 1,994.78 | 0 | 2,336.57 | 0 | 2,678.34 | 0 | 3,020.25 |
| 1/4 | 3.93 | 1/4 | 306.91 | 1/4 | 648.87 | 1/4 | 982.68 | 1/4 | 1,318.31 | 1/4 | 1,660.11 | 1/4 | 2,001.90 | 1/4 | 2,343.70 | 1/4 | 2,685.46 | 1/4 | 3,027.37 |
| 1/2 | 5.72 | 1/2 | 314.05 | 1/2 | 655.99 | 1/2 | 989.49 | 1/2 | 1,325.44 | 1/2 | 1,667.23 | 1/2 | 2,009.02 | 1/2 | 2,350.82 | 1/2 | 2,692.58 | 1/2 | 3,034.50 |
| 3/4 | 7.50 | 3/4 | 321.18 | 3/4 | 663.12 | 3/4 | 996.30 | 3/4 | 1,332.56 | 3/4 | 1,674.35 | 3/4 | 2,016.14 | 3/4 | 2,357.94 | 3/4 | 2,699.70 | 3/4 | 3,041.62 |
| 1 | 9.28 | 1 | 328.31 | 1 | 670.24 | 1 | 1,003.11 | 1 | 1,339.68 | 1 | 1,681.47 | 1 | 2,023.26 | 1 | 2,365.06 | 1 | 2,706.82 | 1 | 3,048.75 |
| 1/4 | 12.85 | 1/4 | 335.45 | 1/4 | 677.36 | 1/4 | 1,009.92 | 1/4 | 1,346.80 | 1/4 | 1,688.59 | 1/4 | 2,030.38 | 1/4 | 2,372.18 | 1/4 | 2,713.94 | 1/4 | 3,055.86 |
| 1/2 | 16.42 | 1/2 | 342.58 | 1/2 | 684.48 | 1/2 | 1,016.73 | 1/2 | 1,353.92 | 1/2 | 1,695.71 | 1/2 | 2,037.50 | 1/2 | 2,379.30 | 1/2 | 2,721.06 | 1/2 | 3,062.98 |
| 3/4 | 19.98 | 3/4 | 349.71 | 3/4 | 691.60 | 3/4 | 1,023.54 | 3/4 | 1,361.04 | 3/4 | 1,702.83 | 3/4 | 2,044.63 | 3/4 | 2,386.42 | 3/4 | 2,728.18 | 3/4 | 3,070.09 |
| 2 | 23.55 | 2 | 356.85 | 2 | 698.73 | 2 | 1,030.35 | 2 | 1,368.16 | 2 | 1,709.95 | 2 | 2,051.75 | 2 | 2,393.54 | 2 | 2,735.30 | 2 | 3,077.21 |
| 1/4 | 28.90 | 1/4 | 363.98 | 1/4 | 705.85 | 1/4 | 1,037.17 | 1/4 | 1,375.28 | 1/4 | 1,717.07 | 1/4 | 2,058.87 | 1/4 | 2,400.66 | 1/4 | 2,742.41 | 1/4 | 3,084.32 |
| 1/2 | 34.25 | 1/2 | 371.10 | 1/2 | 712.97 | 1/2 | 1,043.98 | 1/2 | 1,382.40 | 1/2 | 1,724.19 | 1/2 | 2,065.99 | 1/2 | 2,407.78 | 1/2 | 2,749.53 | 1/2 | 3,091.44 |
| 3/4 | 39.60 | 3/4 | 378.23 | 3/4 | 720.09 | 3/4 | 1,050.79 | 3/4 | 1,389.52 | 3/4 | 1,731.31 | 3/4 | 2,073.11 | 3/4 | 2,414.90 | 3/4 | 2,756.65 | 3/4 | 3,098.56 |
| 3 | 44.95 | 3 | 385.36 | 3 | 727.21 | 3 | 1,057.60 | 3 | 1,396.64 | 3 | 1,738.44 | 3 | 2,080.23 | 3 | 2,422.02 | 3 | 2,763.77 | 3 | 3,105.67 |
| 1/4 | 51.62 | 1/4 | 392.48 | 1/4 | 734.34 | 1/4 | 1,064.41 | 1/4 | 1,403.76 | 1/4 | 1,745.56 | 1/4 | 2,087.35 | 1/4 | 2,429.14 | 1/4 | 2,770.89 | 1/4 | 3,112.78 |
| 1/2 | 58.29 | 1/2 | 399.60 | 1/2 | 741.46 | 1/2 | 1,071.23 | 1/2 | 1,410.88 | 1/2 | 1,752.68 | 1/2 | 2,094.47 | 1/2 | 2,436.26 | 1/2 | 2,778.01 | 1/2 | 3,119.89 |
| 3/4 | 64.95 | 3/4 | 406.72 | 3/4 | 748.58 | 3/4 | 1,078.04 | 3/4 | 1,418.00 | 3/4 | 1,759.80 | 3/4 | 2,101.59 | 3/4 | 2,443.38 | 3/4 | 2,785.13 | 3/4 | 3,126.99 |
| 4 | 71.62 | 4 | 413.85 | 4 | 755.70 | 4 | 1,084.86 | 4 | 1,425.12 | 4 | 1,766.92 | 4 | 2,108.71 | 4 | 2,450.51 | 4 | 2,792.25 | 4 | 3,134.10 |
| 1/4 | 78.73 | 1/4 | 420.97 | 1/4 | 762.82 | 1/4 | 1,091.71 | 1/4 | 1,432.25 | 1/4 | 1,774.04 | 1/4 | 2,115.83 | 1/4 | 2,457.63 | 1/4 | 2,799.37 | 1/4 | 3,141.20 |
| 1/2 | 85.84 | 1/2 | 428.09 | 1/2 | 769.95 | 1/2 | 1,098.57 | 1/2 | 1,439.37 | 1/2 | 1,781.16 | 1/2 | 2,122.95 | 1/2 | 2,464.75 | 1/2 | 2,806.49 | 1/2 | 3,148.30 |
| 3/4 | 92.95 | 3/4 | 435.21 | 3/4 | 777.07 | 3/4 | 1,105.42 | 3/4 | 1,446.49 | 3/4 | 1,788.28 | 3/4 | 2,130.07 | 3/4 | 2,471.87 | 3/4 | 2,813.61 | 3/4 | 3,155.39 |
| 5 | 100.06 | 5 | 442.33 | 5 | 784.19 | 5 | 1,112.28 | 5 | 1,453.61 | 5 | 1,795.40 | 5 | 2,137.19 | 5 | 2,478.99 | 5 | 2,820.73 | 5 | 3,162.49 |
| 1/4 | 107.19 | 1/4 | 449.46 | 1/4 | 791.20 | 1/4 | 1,119.28 | 1/4 | 1,460.73 | 1/4 | 1,802.52 | 1/4 | 2,144.32 | 1/4 | 2,486.11 | 1/4 | 2,827.85 | 1/4 | 3,169.59 |
| 1/2 | 114.32 | 1/2 | 456.58 | 1/2 | 798.20 | 1/2 | 1,126.29 | 1/2 | 1,467.85 | 1/2 | 1,809.64 | 1/2 | 2,151.44 | 1/2 | 2,493.22 | 1/2 | 2,834.97 | 1/2 | 3,176.69 |
| 3/4 | 121.45 | 3/4 | 463.70 | 3/4 | 805.21 | 3/4 | 1,133.29 | 3/4 | 1,474.97 | 3/4 | 1,816.76 | 3/4 | 2,158.56 | 3/4 | 2,500.34 | 3/4 | 2,842.09 | 3/4 | 3,183.79 |
| 6 | 128.57 | 6 | 470.82 | 6 | 812.21 | 6 | 1,140.30 | 6 | 1,482.09 | 6 | 1,823.88 | 6 | 2,165.68 | 6 | 2,507.46 | 6 | 2,849.21 | 6 | 3,190.89 |
| 1/4 | 135.71 | 1/4 | 477.94 | 1/4 | 819.07 | 1/4 | 1,147.42 | 1/4 | 1,489.21 | 1/4 | 1,831.00 | 1/4 | 2,172.80 | 1/4 | 2,514.58 | 1/4 | 2,856.33 | 1/4 | 3,197.98 |
| 1/2 | 142.84 | 1/2 | 485.07 | 1/2 | 825.92 | 1/2 | 1,154.54 | 1/2 | 1,496.33 | 1/2 | 1,838.13 | 1/2 | 2,179.92 | 1/2 | 2,521.70 | 1/2 | 2,863.45 | 1/2 | 3,205.08 |
| 3/4 | 149.97 | 3/4 | 492.19 | 3/4 | 832.78 | 3/4 | 1,161.66 | 3/4 | 1,503.45 | 3/4 | 1,845.25 | 3/4 | 2,187.04 | 3/4 | 2,528.82 | 3/4 | 2,870.57 | 3/4 | 3,212.18 |
| 7 | 157.11 | 7 | 499.31 | 7 | 839.63 | 7 | 1,168.78 | 7 | 1,510.57 | 7 | 1,852.37 | 7 | 2,194.16 | 7 | 2,535.94 | 7 | 2,877.69 | 7 | 3,219.28 |
| 1/4 | 164.24 | 1/4 | 506.43 | 1/4 | 846.45 | 1/4 | 1,175.90 | 1/4 | 1,517.69 | 1/4 | 1,859.49 | 1/4 | 2,201.28 | 1/4 | 2,543.06 | 1/4 | 2,884.81 | 1/4 | 3,226.38 |
| 1/2 | 171.37 | 1/2 | 513.55 | 1/2 | 853.26 | 1/2 | 1,183.02 | 1/2 | 1,524.81 | 1/2 | 1,866.61 | 1/2 | 2,208.40 | 1/2 | 2,550.18 | 1/2 | 2,891.93 | 1/2 | 3,233.48 |
| 3/4 | 178.51 | 3/4 | 520.68 | 3/4 | 860.08 | 3/4 | 1,190.14 | 3/4 | 1,531.94 | 3/4 | 1,873.73 | 3/4 | 2,215.52 | 3/4 | 2,557.30 | 3/4 | 2,899.05 | 3/4 | 3,240.58 |
| 8 | 185.64 | 8 | 527.80 | 8 | 866.89 | 8 | 1,197.26 | 8 | 1,539.06 | 8 | 1,880.85 | 8 | 2,222.64 | 8 | 2,564.42 | 8 | 2,906.17 | 8 | 3,247.67 |
| 1/4 | 192.77 | 1/4 | 534.92 | 1/4 | 873.70 | 1/4 | 1,204.38 | 1/4 | 1,546.18 | 1/4 | 1,887.97 | 1/4 | 2,229.76 | 1/4 | 2,571.54 | 1/4 | 2,913.30 | 1/4 | 3,254.77 |
| 1/2 | 199.91 | 1/2 | 542.04 | 1/2 | 880.51 | 1/2 | 1,211.50 | 1/2 | 1,553.30 | 1/2 | 1,895.09 | 1/2 | 2,236.88 | 1/2 | 2,578.66 | 1/2 | 2,920.42 | 1/2 | 3,261.87 |
| 3/4 | 207.04 | 3/4 | 549.16 | 3/4 | 887.32 | 3/4 | 1,218.62 | 3/4 | 1,560.42 | 3/4 | 1,902.21 | 3/4 | 2,244.01 | 3/4 | 2,585.78 | 3/4 | 2,927.55 | 3/4 | 3,268.97 |
| 9 | 214.18 | 9 | 556.29 | 9 | 894.13 | 9 | 1,225.75 | 9 | 1,567.54 | 9 | 1,909.33 | 9 | 2,251.13 | 9 | 2,592.90 | 9 | 2,934.67 | 9 | 3,276.07 |
| 1/4 | 221.31 | 1/4 | 563.41 | 1/4 | 900.94 | 1/4 | 1,232.87 | 1/4 | 1,574.66 | 1/4 | 1,916.45 | 1/4 | 2,258.25 | 1/4 | 2,600.02 | 1/4 | 2,941.80 | 1/4 | 3,283.17 |
| 1/2 | 228.44 | 1/2 | 570.53 | 1/2 | 907.76 | 1/2 | 1,239.99 | 1/2 | 1,581.78 | 1/2 | 1,923.57 | 1/2 | 2,265.37 | 1/2 | 2,607.14 | 1/2 | 2,948.94 | 1/2 | 3,290.27 |
| 3/4 | 235.58 | 3/4 | 577.65 | 3/4 | 914.57 | 3/4 | 1,247.11 | 3/4 | 1,588.90 | 3/4 | 1,930.69 | 3/4 | 2,272.49 | 3/4 | 2,614.26 | 3/4 | 2,956.07 | 3/4 | 3,297.37 |
| 10 | 242.71 | 10 | 584.77 | 10 | 921.38 | 10 | 1,254.23 | 10 | 1,596.02 | 10 | 1,937.82 | 10 | 2,279.61 | 10 | 2,621.38 | 10 | 2,963.20 | 10 | 3,304.47 |
| 1/4 | 249.84 | 1/4 | 591.90 | 1/4 | 928.19 | 1/4 | 1,261.35 | 1/4 | 1,603.14 | 1/4 | 1,944.94 | 1/4 | 2,286.73 | 1/4 | 2,628.50 | 1/4 | 2,970.33 | 1/4 | 3,311.57 |
| 1/2 | 256.98 | 1/2 | 599.02 | 1/2 | 935.00 | 1/2 | 1,268.47 | 1/2 | 1,610.26 | 1/2 | 1,952.06 | 1/2 | 2,293.85 | 1/2 | 2,635.62 | 1/2 | 2,977.46 | 1/2 | 3,318.67 |
| 3/4 | 264.11 | 3/4 | 606.14 | 3/4 | 941.81 | 3/4 | 1,275.59 | 3/4 | 1,617.38 | 3/4 | 1,959.18 | 3/4 | 2,300.97 | 3/4 | 2,642.74 | 3/4 | 2,984.59 | 3/4 | 3,325.77 |
| 11 | 271.24 | 11 | 613.26 | 11 | 948.62 | 11 | 1,282.71 | 11 | 1,624.50 | 11 | 1,966.30 | 11 | 2,308.09 | 11 | 2,649.86 | 11 | 2,991.73 | 11 | 3,332.87 |
| 1/4 | 278.38 | 1/4 | 620.38 | 1/4 | 955.43 | 1/4 | 1,289.83 | 1/4 | 1,631.63 | 1/4 | 1,973.42 | 1/4 | 2,315.21 | 1/4 | 2,656.98 | 1/4 | 2,998.86 | 1/4 | 3,338.59 |
| 1/2 | 285.51 | 1/2 | 627.51 | 1/2 | 962.24 | 1/2 | 1,296.95 | 1/2 | 1,638.75 | 1/2 | 1,980.54 | 1/2 | 2,322.33 | 1/2 | 2,664.10 | 1/2 | 3,005.99 | 1/2 | 3,344.31 |
| 3/4 | 292.64 | 3/4 | 634.63 | 3/4 | 969.05 | 3/4 | 1,304.07 | 3/4 | 1,645.87 | 3/4 | 1,987.66 | 3/4 | 2,329.45 | 3/4 | 2,671.22 | 3/4 | 3,013.12 | 3/4 | 3,350.02 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.**
**GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 3 PORT

### INNAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3,355.74 | 0 | 3,564.82 | 0 | 3,774.67 | 0 | 3,984.26 | 0 | 4,193.19 | 0 | 4,383.83 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,360.08 | 1/4 | 3,569.20 | 1/4 | 3,779.05 | 1/4 | 3,988.61 | 1/4 | 4,197.55 | 1/4 | 4,385.54 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,364.42 | 1/2 | 3,573.57 | 1/2 | 3,783.42 | 1/2 | 3,992.96 | 1/2 | 4,201.90 | 1/2 | 4,387.25 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,368.76 | 3/4 | 3,577.94 | 3/4 | 3,787.79 | 3/4 | 3,997.32 | 3/4 | 4,206.25 | 3/4 | 4,388.96 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,373.10 | 1 | 3,582.31 | 1 | 3,792.16 | 1 | 4,001.67 | 1 | 4,210.60 | 1 | 4,390.66 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,377.44 | 1/4 | 3,586.68 | 1/4 | 3,796.53 | 1/4 | 4,006.02 | 1/4 | 4,214.96 | 1/4 | 4,392.37 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,381.79 | 1/2 | 3,591.05 | 1/2 | 3,800.91 | 1/2 | 4,010.38 | 1/2 | 4,219.31 | 1/2 | 4,394.08 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,386.14 | 3/4 | 3,595.43 | 3/4 | 3,805.28 | 3/4 | 4,014.73 | 3/4 | 4,223.66 | 3/4 | 4,395.79 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,390.48 | 2 | 3,599.80 | 2 | 3,809.65 | 2 | 4,019.08 | 2 | 4,228.02 | 2 | 4,397.50 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,394.84 | 1/4 | 3,604.17 | 1/4 | 3,814.02 | 1/4 | 4,023.43 | 1/4 | 4,232.37 | 1/4 | 4,398.57 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,399.20 | 1/2 | 3,608.54 | 1/2 | 3,818.39 | 1/2 | 4,027.79 | 1/2 | 4,236.72 | 1/2 | 4,399.65 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,403.55 | 3/4 | 3,612.91 | 3/4 | 3,822.77 | 3/4 | 4,032.14 | 3/4 | 4,241.07 | 3/4 | 4,400.73 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,407.91 | 3 | 3,617.29 | 3 | 3,827.14 | 3 | 4,036.49 | 3 | 4,245.43 | 3 | 4,401.80 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,412.26 | 1/4 | 3,621.66 | 1/4 | 3,831.51 | 1/4 | 4,040.84 | 1/4 | 4,249.78 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,416.62 | 1/2 | 3,626.03 | 1/2 | 3,835.88 | 1/2 | 4,045.20 | 1/2 | 4,254.13 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,420.98 | 3/4 | 3,630.40 | 3/4 | 3,840.25 | 3/4 | 4,049.55 | 3/4 | 4,258.48 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,425.33 | 4 | 3,634.77 | 4 | 3,844.63 | 4 | 4,053.90 | 4 | 4,262.84 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,429.69 | 1/4 | 3,639.15 | 1/4 | 3,849.00 | 1/4 | 4,058.26 | 1/4 | 4,267.18 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,434.04 | 1/2 | 3,643.52 | 1/2 | 3,853.37 | 1/2 | 4,062.61 | 1/2 | 4,271.52 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,438.40 | 3/4 | 3,647.89 | 3/4 | 3,857.74 | 3/4 | 4,066.96 | 3/4 | 4,275.86 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,442.76 | 5 | 3,652.26 | 5 | 3,862.11 | 5 | 4,071.31 | 5 | 4,280.19 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,447.11 | 1/4 | 3,656.63 | 1/4 | 3,866.48 | 1/4 | 4,075.67 | 1/4 | 4,284.52 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,451.47 | 1/2 | 3,661.01 | 1/2 | 3,870.86 | 1/2 | 4,080.02 | 1/2 | 4,288.85 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,455.83 | 3/4 | 3,665.38 | 3/4 | 3,875.23 | 3/4 | 4,084.37 | 3/4 | 4,293.17 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,460.18 | 6 | 3,669.75 | 6 | 3,879.60 | 6 | 4,088.73 | 6 | 4,297.50 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,464.54 | 1/4 | 3,674.12 | 1/4 | 3,883.97 | 1/4 | 4,093.08 | 1/4 | 4,301.82 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,468.89 | 1/2 | 3,678.49 | 1/2 | 3,888.34 | 1/2 | 4,097.43 | 1/2 | 4,306.14 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,473.25 | 3/4 | 3,682.86 | 3/4 | 3,892.72 | 3/4 | 4,101.78 | 3/4 | 4,310.47 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,477.61 | 7 | 3,687.24 | 7 | 3,897.09 | 7 | 4,106.14 | 7 | 4,314.79 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,481.96 | 1/4 | 3,691.61 | 1/4 | 3,901.46 | 1/4 | 4,110.49 | 1/4 | 4,319.11 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,486.32 | 1/2 | 3,695.98 | 1/2 | 3,905.83 | 1/2 | 4,114.84 | 1/2 | 4,323.42 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,490.67 | 3/4 | 3,700.35 | 3/4 | 3,910.20 | 3/4 | 4,119.20 | 3/4 | 4,327.74 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,495.03 | 8 | 3,704.72 | 8 | 3,914.58 | 8 | 4,123.55 | 8 | 4,332.06 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,499.39 | 1/4 | 3,709.10 | 1/4 | 3,918.94 | 1/4 | 4,127.90 | 1/4 | 4,336.34 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,503.74 | 1/2 | 3,713.47 | 1/2 | 3,923.30 | 1/2 | 4,132.25 | 1/2 | 4,340.62 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,508.10 | 3/4 | 3,717.84 | 3/4 | 3,927.66 | 3/4 | 4,136.61 | 3/4 | 4,344.91 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,512.45 | 9 | 3,722.21 | 9 | 3,932.02 | 9 | 4,140.96 | 9 | 4,349.19 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,516.81 | 1/4 | 3,726.58 | 1/4 | 3,936.38 | 1/4 | 4,145.31 | 1/4 | 4,353.04 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,521.17 | 1/2 | 3,730.96 | 1/2 | 3,940.73 | 1/2 | 4,149.66 | 1/2 | 4,356.88 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,525.52 | 3/4 | 3,735.33 | 3/4 | 3,945.08 | 3/4 | 4,154.02 | 3/4 | 4,360.73 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,529.88 | 10 | 3,739.70 | 10 | 3,949.44 | 10 | 4,158.37 | 10 | 4,364.57 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,534.24 | 1/4 | 3,744.07 | 1/4 | 3,953.79 | 1/4 | 4,162.72 | 1/4 | 4,367.41 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,538.61 | 1/2 | 3,748.44 | 1/2 | 3,958.14 | 1/2 | 4,167.08 | 1/2 | 4,370.25 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,542.97 | 3/4 | 3,752.82 | 3/4 | 3,962.49 | 3/4 | 4,171.43 | 3/4 | 4,373.09 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,547.34 | 11 | 3,757.19 | 11 | 3,966.85 | 11 | 4,175.78 | 11 | 4,375.93 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,551.71 | 1/4 | 3,761.56 | 1/4 | 3,971.20 | 1/4 | 4,180.13 | 1/4 | 4,377.90 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,556.08 | 1/2 | 3,765.93 | 1/2 | 3,975.55 | 1/2 | 4,184.49 | 1/2 | 4,379.88 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,560.45 | 3/4 | 3,770.30 | 3/4 | 3,979.91 | 3/4 | 4,188.84 | 3/4 | 4,381.86 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 3 STBD

### INNAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 3/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.14 | 0 | 298.88 | 0 | 640.26 | 0 | 981.37 | 0 | 1,322.54 | 0 | 1,663.93 | 0 | 2,005.32 | 0 | 2,346.71 | 0 | 2,687.95 | 0 | 3,028.47 |
| 1/4 | 3.92 | 1/4 | 305.99 | 1/4 | 647.38 | 1/4 | 988.47 | 1/4 | 1,329.65 | 1/4 | 1,671.05 | 1/4 | 2,012.44 | 1/4 | 2,353.83 | 1/4 | 2,695.05 | 1/4 | 3,035.57 |
| 1/2 | 5.70 | 1/2 | 313.10 | 1/2 | 654.49 | 1/2 | 995.57 | 1/2 | 1,336.77 | 1/2 | 1,678.16 | 1/2 | 2,019.55 | 1/2 | 2,360.94 | 1/2 | 2,702.14 | 1/2 | 3,042.66 |
| 3/4 | 7.48 | 3/4 | 320.21 | 3/4 | 661.60 | 3/4 | 1,002.67 | 3/4 | 1,343.88 | 3/4 | 1,685.27 | 3/4 | 2,026.66 | 3/4 | 2,368.05 | 3/4 | 2,709.23 | 3/4 | 3,049.76 |
| 1 | 9.25 | 1 | 327.33 | 1 | 668.71 | 1 | 1,009.76 | 1 | 1,350.99 | 1 | 1,692.38 | 1 | 2,033.77 | 1 | 2,375.16 | 1 | 2,716.33 | 1 | 3,056.85 |
| 1/4 | 12.81 | 1/4 | 334.44 | 1/4 | 675.82 | 1/4 | 1,016.86 | 1/4 | 1,358.10 | 1/4 | 1,699.49 | 1/4 | 2,040.88 | 1/4 | 2,382.28 | 1/4 | 2,723.42 | 1/4 | 3,063.94 |
| 1/2 | 16.37 | 1/2 | 341.55 | 1/2 | 682.94 | 1/2 | 1,023.96 | 1/2 | 1,365.22 | 1/2 | 1,706.61 | 1/2 | 2,048.00 | 1/2 | 2,389.39 | 1/2 | 2,730.52 | 1/2 | 3,071.04 |
| 3/4 | 19.92 | 3/4 | 348.66 | 3/4 | 690.05 | 3/4 | 1,031.06 | 3/4 | 1,372.33 | 3/4 | 1,713.72 | 3/4 | 2,055.11 | 3/4 | 2,396.50 | 3/4 | 2,737.61 | 3/4 | 3,078.13 |
| 2 | 23.48 | 2 | 355.78 | 2 | 697.16 | 2 | 1,038.16 | 2 | 1,379.44 | 2 | 1,720.83 | 2 | 2,062.22 | 2 | 2,403.61 | 2 | 2,744.71 | 2 | 3,085.23 |
| 1/4 | 28.81 | 1/4 | 362.89 | 1/4 | 704.27 | 1/4 | 1,045.26 | 1/4 | 1,386.55 | 1/4 | 1,727.94 | 1/4 | 2,069.33 | 1/4 | 2,410.72 | 1/4 | 2,751.80 | 1/4 | 3,092.32 |
| 1/2 | 34.15 | 1/2 | 370.00 | 1/2 | 711.39 | 1/2 | 1,052.35 | 1/2 | 1,393.67 | 1/2 | 1,735.06 | 1/2 | 2,076.45 | 1/2 | 2,417.84 | 1/2 | 2,758.89 | 1/2 | 3,099.42 |
| 3/4 | 39.48 | 3/4 | 377.11 | 3/4 | 718.50 | 3/4 | 1,059.45 | 3/4 | 1,400.78 | 3/4 | 1,742.17 | 3/4 | 2,083.56 | 3/4 | 2,424.95 | 3/4 | 2,765.99 | 3/4 | 3,106.51 |
| 3 | 44.81 | 3 | 384.22 | 3 | 725.61 | 3 | 1,066.55 | 3 | 1,407.89 | 3 | 1,749.28 | 3 | 2,090.67 | 3 | 2,432.06 | 3 | 2,773.08 | 3 | 3,113.60 |
| 1/4 | 51.46 | 1/4 | 391.34 | 1/4 | 732.72 | 1/4 | 1,073.65 | 1/4 | 1,415.00 | 1/4 | 1,756.39 | 1/4 | 2,097.78 | 1/4 | 2,439.17 | 1/4 | 2,780.18 | 1/4 | 3,120.69 |
| 1/2 | 58.11 | 1/2 | 398.45 | 1/2 | 739.83 | 1/2 | 1,080.76 | 1/2 | 1,422.11 | 1/2 | 1,763.51 | 1/2 | 2,104.90 | 1/2 | 2,446.29 | 1/2 | 2,787.27 | 1/2 | 3,127.78 |
| 3/4 | 64.76 | 3/4 | 405.56 | 3/4 | 746.95 | 3/4 | 1,087.86 | 3/4 | 1,429.23 | 3/4 | 1,770.62 | 3/4 | 2,112.01 | 3/4 | 2,453.40 | 3/4 | 2,794.37 | 3/4 | 3,134.86 |
| 4 | 71.41 | 4 | 412.67 | 4 | 754.06 | 4 | 1,094.96 | 4 | 1,436.34 | 4 | 1,777.73 | 4 | 2,119.12 | 4 | 2,460.51 | 4 | 2,801.46 | 4 | 3,141.95 |
| 1/4 | 78.50 | 1/4 | 419.79 | 1/4 | 761.17 | 1/4 | 1,102.07 | 1/4 | 1,443.45 | 1/4 | 1,784.84 | 1/4 | 2,126.23 | 1/4 | 2,467.62 | 1/4 | 2,808.55 | 1/4 | 3,149.02 |
| 1/2 | 85.59 | 1/2 | 426.90 | 1/2 | 768.28 | 1/2 | 1,109.18 | 1/2 | 1,450.56 | 1/2 | 1,791.95 | 1/2 | 2,133.34 | 1/2 | 2,474.74 | 1/2 | 2,815.65 | 1/2 | 3,156.10 |
| 3/4 | 92.67 | 3/4 | 434.01 | 3/4 | 775.40 | 3/4 | 1,116.29 | 3/4 | 1,457.68 | 3/4 | 1,799.07 | 3/4 | 2,140.46 | 3/4 | 2,481.85 | 3/4 | 2,822.74 | 3/4 | 3,163.18 |
| 5 | 99.76 | 5 | 441.12 | 5 | 782.51 | 5 | 1,123.40 | 5 | 1,464.79 | 5 | 1,806.18 | 5 | 2,147.57 | 5 | 2,488.96 | 5 | 2,829.84 | 5 | 3,170.25 |
| 1/4 | 106.87 | 1/4 | 448.23 | 1/4 | 789.62 | 1/4 | 1,130.51 | 1/4 | 1,471.90 | 1/4 | 1,813.29 | 1/4 | 2,154.68 | 1/4 | 2,496.08 | 1/4 | 2,836.93 | 1/4 | 3,177.33 |
| 1/2 | 113.98 | 1/2 | 455.35 | 1/2 | 796.73 | 1/2 | 1,137.62 | 1/2 | 1,479.01 | 1/2 | 1,820.40 | 1/2 | 2,161.79 | 1/2 | 2,503.19 | 1/2 | 2,844.02 | 1/2 | 3,184.41 |
| 3/4 | 121.08 | 3/4 | 462.46 | 3/4 | 803.84 | 3/4 | 1,144.74 | 3/4 | 1,486.13 | 3/4 | 1,827.52 | 3/4 | 2,168.91 | 3/4 | 2,510.31 | 3/4 | 2,851.12 | 3/4 | 3,191.49 |
| 6 | 128.19 | 6 | 469.57 | 6 | 810.96 | 6 | 1,151.85 | 6 | 1,493.24 | 6 | 1,834.63 | 6 | 2,176.02 | 6 | 2,517.43 | 6 | 2,858.21 | 6 | 3,198.56 |
| 1/4 | 135.30 | 1/4 | 476.68 | 1/4 | 818.06 | 1/4 | 1,158.96 | 1/4 | 1,500.35 | 1/4 | 1,841.74 | 1/4 | 2,183.13 | 1/4 | 2,524.54 | 1/4 | 2,865.31 | 1/4 | 3,205.64 |
| 1/2 | 142.41 | 1/2 | 483.79 | 1/2 | 825.17 | 1/2 | 1,166.07 | 1/2 | 1,507.46 | 1/2 | 1,848.85 | 1/2 | 2,190.24 | 1/2 | 2,531.65 | 1/2 | 2,872.40 | 1/2 | 3,212.72 |
| 3/4 | 149.52 | 3/4 | 490.91 | 3/4 | 832.28 | 3/4 | 1,173.18 | 3/4 | 1,514.57 | 3/4 | 1,855.97 | 3/4 | 2,197.36 | 3/4 | 2,538.77 | 3/4 | 2,879.50 | 3/4 | 3,219.79 |
| 7 | 156.63 | 7 | 498.02 | 7 | 839.39 | 7 | 1,180.30 | 7 | 1,521.69 | 7 | 1,863.08 | 7 | 2,204.47 | 7 | 2,545.88 | 7 | 2,886.59 | 7 | 3,226.87 |
| 1/4 | 163.75 | 1/4 | 505.13 | 1/4 | 846.49 | 1/4 | 1,187.41 | 1/4 | 1,528.80 | 1/4 | 1,870.19 | 1/4 | 2,211.58 | 1/4 | 2,552.99 | 1/4 | 2,893.68 | 1/4 | 3,233.95 |
| 1/2 | 170.86 | 1/2 | 512.24 | 1/2 | 853.59 | 1/2 | 1,194.52 | 1/2 | 1,535.91 | 1/2 | 1,877.30 | 1/2 | 2,218.69 | 1/2 | 2,560.11 | 1/2 | 2,900.78 | 1/2 | 3,241.02 |
| 3/4 | 177.97 | 3/4 | 519.36 | 3/4 | 860.70 | 3/4 | 1,201.63 | 3/4 | 1,543.02 | 3/4 | 1,884.41 | 3/4 | 2,225.80 | 3/4 | 2,567.22 | 3/4 | 2,907.87 | 3/4 | 3,248.10 |
| 8 | 185.08 | 8 | 526.47 | 8 | 867.80 | 8 | 1,208.75 | 8 | 1,550.14 | 8 | 1,891.53 | 8 | 2,232.92 | 8 | 2,574.33 | 8 | 2,914.97 | 8 | 3,255.18 |
| 1/4 | 192.19 | 1/4 | 533.58 | 1/4 | 874.90 | 1/4 | 1,215.86 | 1/4 | 1,557.25 | 1/4 | 1,898.64 | 1/4 | 2,240.03 | 1/4 | 2,581.45 | 1/4 | 2,922.06 | 1/4 | 3,262.26 |
| 1/2 | 199.31 | 1/2 | 540.69 | 1/2 | 881.99 | 1/2 | 1,222.97 | 1/2 | 1,564.36 | 1/2 | 1,905.75 | 1/2 | 2,247.14 | 1/2 | 2,588.56 | 1/2 | 2,929.15 | 1/2 | 3,269.33 |
| 3/4 | 206.42 | 3/4 | 547.80 | 3/4 | 889.09 | 3/4 | 1,230.08 | 3/4 | 1,571.47 | 3/4 | 1,912.86 | 3/4 | 2,254.25 | 3/4 | 2,595.67 | 3/4 | 2,936.25 | 3/4 | 3,276.41 |
| 9 | 213.53 | 9 | 554.92 | 9 | 896.19 | 9 | 1,237.20 | 9 | 1,578.59 | 9 | 1,919.98 | 9 | 2,261.37 | 9 | 2,602.78 | 9 | 2,943.34 | 9 | 3,283.49 |
| 1/4 | 220.64 | 1/4 | 562.03 | 1/4 | 903.29 | 1/4 | 1,244.31 | 1/4 | 1,585.70 | 1/4 | 1,927.09 | 1/4 | 2,268.48 | 1/4 | 2,609.89 | 1/4 | 2,950.44 | 1/4 | 3,290.56 |
| 1/2 | 227.76 | 1/2 | 569.14 | 1/2 | 910.39 | 1/2 | 1,251.42 | 1/2 | 1,592.81 | 1/2 | 1,934.20 | 1/2 | 2,275.59 | 1/2 | 2,616.99 | 1/2 | 2,957.53 | 1/2 | 3,297.64 |
| 3/4 | 234.87 | 3/4 | 576.25 | 3/4 | 917.49 | 3/4 | 1,258.53 | 3/4 | 1,599.92 | 3/4 | 1,941.31 | 3/4 | 2,282.70 | 3/4 | 2,624.10 | 3/4 | 2,964.63 | 3/4 | 3,304.72 |
| 10 | 241.98 | 10 | 583.37 | 10 | 924.58 | 10 | 1,265.64 | 10 | 1,607.03 | 10 | 1,948.43 | 10 | 2,289.82 | 10 | 2,631.20 | 10 | 2,971.72 | 10 | 3,311.79 |
| 1/4 | 249.09 | 1/4 | 590.48 | 1/4 | 931.68 | 1/4 | 1,272.76 | 1/4 | 1,614.15 | 1/4 | 1,955.54 | 1/4 | 2,296.93 | 1/4 | 2,638.29 | 1/4 | 2,978.81 | 1/4 | 3,318.87 |
| 1/2 | 256.20 | 1/2 | 597.59 | 1/2 | 938.78 | 1/2 | 1,279.87 | 1/2 | 1,621.26 | 1/2 | 1,962.65 | 1/2 | 2,304.04 | 1/2 | 2,645.39 | 1/2 | 2,985.91 | 1/2 | 3,325.95 |
| 3/4 | 263.32 | 3/4 | 604.70 | 3/4 | 945.88 | 3/4 | 1,286.98 | 3/4 | 1,628.37 | 3/4 | 1,969.76 | 3/4 | 2,311.15 | 3/4 | 2,652.48 | 3/4 | 2,993.00 | 3/4 | 3,333.03 |
| 11 | 270.43 | 11 | 611.81 | 11 | 952.98 | 11 | 1,294.09 | 11 | 1,635.48 | 11 | 1,976.87 | 11 | 2,318.26 | 11 | 2,659.58 | 11 | 3,000.10 | 11 | 3,340.10 |
| 1/4 | 277.54 | 1/4 | 618.93 | 1/4 | 960.07 | 1/4 | 1,301.21 | 1/4 | 1,642.60 | 1/4 | 1,983.99 | 1/4 | 2,325.38 | 1/4 | 2,666.67 | 1/4 | 3,007.19 | 1/4 | 3,345.80 |
| 1/2 | 284.65 | 1/2 | 626.04 | 1/2 | 967.17 | 1/2 | 1,308.32 | 1/2 | 1,649.71 | 1/2 | 1,991.10 | 1/2 | 2,332.49 | 1/2 | 2,673.76 | 1/2 | 3,014.29 | 1/2 | 3,351.51 |
| 3/4 | 291.77 | 3/4 | 633.15 | 3/4 | 974.27 | 3/4 | 1,315.43 | 3/4 | 1,656.82 | 3/4 | 1,998.21 | 3/4 | 2,339.60 | 3/4 | 2,680.86 | 3/4 | 3,021.38 | 3/4 | 3,357.21 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.**
**GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 3 STBD

### INNAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 3/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3,362.91 | 0 | 3,572.07 | 0 | 3,781.44 | 0 | 3,990.55 | 0 | 4,199.00 | 0 | 4,389.22 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 3,367.23 | 1/4 | 3,576.43 | 1/4 | 3,785.80 | 1/4 | 3,994.89 | 1/4 | 4,203.35 | 1/4 | 4,390.92 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,371.56 | 1/2 | 3,580.79 | 1/2 | 3,790.16 | 1/2 | 3,999.23 | 1/2 | 4,207.69 | 1/2 | 4,392.63 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,375.89 | 3/4 | 3,585.15 | 3/4 | 3,794.52 | 3/4 | 4,003.57 | 3/4 | 4,212.03 | 3/4 | 4,394.33 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3,380.21 | 1 | 3,589.51 | 1 | 3,798.89 | 1 | 4,007.92 | 1 | 4,216.38 | 1 | 4,396.04 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,384.56 | 1/4 | 3,593.88 | 1/4 | 3,803.25 | 1/4 | 4,012.26 | 1/4 | 4,220.72 | 1/4 | 4,397.74 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,388.90 | 1/2 | 3,598.24 | 1/2 | 3,807.61 | 1/2 | 4,016.60 | 1/2 | 4,225.06 | 1/2 | 4,399.44 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,393.25 | 3/4 | 3,602.60 | 3/4 | 3,811.97 | 3/4 | 4,020.95 | 3/4 | 4,229.40 | 3/4 | 4,401.15 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,397.59 | 2 | 3,606.96 | 2 | 3,816.33 | 2 | 4,025.29 | 2 | 4,233.75 | 2 | 4,402.85 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,401.95 | 1/4 | 3,611.32 | 1/4 | 3,820.69 | 1/4 | 4,029.63 | 1/4 | 4,238.09 | 1/4 | 4,403.93 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,406.31 | 1/2 | 3,615.69 | 1/2 | 3,825.06 | 1/2 | 4,033.97 | 1/2 | 4,242.43 | 1/2 | 4,405.00 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,410.68 | 3/4 | 3,620.05 | 3/4 | 3,829.42 | 3/4 | 4,038.32 | 3/4 | 4,246.78 | 3/4 | 4,406.07 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,415.04 | 3 | 3,624.41 | 3 | 3,833.78 | 3 | 4,042.66 | 3 | 4,251.12 | 3 | 4,407.15 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,419.40 | 1/4 | 3,628.77 | 1/4 | 3,838.14 | 1/4 | 4,047.00 | 1/4 | 4,255.46 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,423.76 | 1/2 | 3,633.13 | 1/2 | 3,842.50 | 1/2 | 4,051.35 | 1/2 | 4,259.81 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,428.12 | 3/4 | 3,637.50 | 3/4 | 3,846.87 | 3/4 | 4,055.69 | 3/4 | 4,264.15 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,432.49 | 4 | 3,641.86 | 4 | 3,851.23 | 4 | 4,060.03 | 4 | 4,268.49 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,436.85 | 1/4 | 3,646.22 | 1/4 | 3,855.59 | 1/4 | 4,064.37 | 1/4 | 4,272.82 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,441.21 | 1/2 | 3,650.58 | 1/2 | 3,859.95 | 1/2 | 4,068.72 | 1/2 | 4,277.15 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,445.57 | 3/4 | 3,654.94 | 3/4 | 3,864.31 | 3/4 | 4,073.06 | 3/4 | 4,281.48 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,449.93 | 5 | 3,659.30 | 5 | 3,868.68 | 5 | 4,077.40 | 5 | 4,285.81 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,454.30 | 1/4 | 3,663.67 | 1/4 | 3,873.04 | 1/4 | 4,081.75 | 1/4 | 4,290.12 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,458.66 | 1/2 | 3,668.03 | 1/2 | 3,877.40 | 1/2 | 4,086.09 | 1/2 | 4,294.44 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,463.02 | 3/4 | 3,672.39 | 3/4 | 3,881.76 | 3/4 | 4,090.43 | 3/4 | 4,298.75 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 3,467.38 | 6 | 3,676.75 | 6 | 3,886.12 | 6 | 4,094.77 | 6 | 4,303.07 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 3,471.74 | 1/4 | 3,681.11 | 1/4 | 3,890.49 | 1/4 | 4,099.12 | 1/4 | 4,307.38 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,476.10 | 1/2 | 3,685.48 | 1/2 | 3,894.85 | 1/2 | 4,103.46 | 1/2 | 4,311.70 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,480.47 | 3/4 | 3,689.84 | 3/4 | 3,899.21 | 3/4 | 4,107.80 | 3/4 | 4,316.01 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 3,484.83 | 7 | 3,694.20 | 7 | 3,903.57 | 7 | 4,112.15 | 7 | 4,320.32 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 3,489.19 | 1/4 | 3,698.56 | 1/4 | 3,907.93 | 1/4 | 4,116.49 | 1/4 | 4,324.63 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,493.55 | 1/2 | 3,702.92 | 1/2 | 3,912.29 | 1/2 | 4,120.83 | 1/2 | 4,328.94 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,497.91 | 3/4 | 3,707.29 | 3/4 | 3,916.66 | 3/4 | 4,125.18 | 3/4 | 4,333.24 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 3,502.28 | 8 | 3,711.65 | 8 | 3,921.02 | 8 | 4,129.52 | 8 | 4,337.55 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 3,506.64 | 1/4 | 3,716.01 | 1/4 | 3,925.37 | 1/4 | 4,133.86 | 1/4 | 4,341.83 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,511.00 | 1/2 | 3,720.37 | 1/2 | 3,929.72 | 1/2 | 4,138.20 | 1/2 | 4,346.10 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,515.36 | 3/4 | 3,724.73 | 3/4 | 3,934.08 | 3/4 | 4,142.55 | 3/4 | 4,350.37 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 3,519.72 | 9 | 3,729.09 | 9 | 3,938.43 | 9 | 4,146.89 | 9 | 4,354.65 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 3,524.09 | 1/4 | 3,733.46 | 1/4 | 3,942.77 | 1/4 | 4,151.23 | 1/4 | 4,358.48 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,528.45 | 1/2 | 3,737.82 | 1/2 | 3,947.12 | 1/2 | 4,155.58 | 1/2 | 4,362.32 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,532.81 | 3/4 | 3,742.18 | 3/4 | 3,951.46 | 3/4 | 4,159.92 | 3/4 | 4,366.16 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 3,537.17 | 10 | 3,746.54 | 10 | 3,955.80 | 10 | 4,164.26 | 10 | 4,369.99 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 3,541.53 | 1/4 | 3,750.90 | 1/4 | 3,960.15 | 1/4 | 4,168.60 | 1/4 | 4,372.83 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,545.90 | 1/2 | 3,755.27 | 1/2 | 3,964.49 | 1/2 | 4,172.95 | 1/2 | 4,375.66 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,550.26 | 3/4 | 3,759.63 | 3/4 | 3,968.83 | 3/4 | 4,177.29 | 3/4 | 4,378.50 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 3,554.62 | 11 | 3,763.99 | 11 | 3,973.17 | 11 | 4,181.63 | 11 | 4,381.33 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 3,558.98 | 1/4 | 3,768.35 | 1/4 | 3,977.52 | 1/4 | 4,185.98 | 1/4 | 4,383.30 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,563.34 | 1/2 | 3,772.71 | 1/2 | 3,981.86 | 1/2 | 4,190.32 | 1/2 | 4,385.27 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,567.70 | 3/4 | 3,777.08 | 3/4 | 3,986.20 | 3/4 | 4,194.66 | 3/4 | 4,387.25 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## ULLAGE (10" HATCH)

| | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BOW | STERN | BOW | STERN | BOW | STERN | BOW | STERN | BOW | STERN | BOW | STERN |
| 1 PORT | - 02-0/8 | 02-0/8 | - 04-0/8 | 04-0/8 | - 06-0/8 | 06-0/8 | - 08-1/8 | 08-1/8 | - 10-1/8 | 10-1/8 | - 12-1/8 | 12-1/8 |
| 1 STBD | - 02-0/8 | 02-0/8 | - 04-0/8 | 04-0/8 | - 06-0/8 | 06-0/8 | - 08-1/8 | 08-1/8 | - 10-1/8 | 10-1/8 | - 12-1/8 | 12-1/8 |
| 2 PORT | - 02-0/8 | 02-0/8 | - 04-0/8 | 04-0/8 | - 06-1/8 | 06-1/8 | - 08-1/8 | 08-1/8 | - 10-1/8 | 10-1/8 | - 12-1/8 | 12-1/8 |
| 2 STBD | - 02-0/8 | 02-0/8 | - 04-0/8 | 04-0/8 | - 06-1/8 | 06-1/8 | - 08-1/8 | 08-1/8 | - 10-1/8 | 10-1/8 | - 12-1/8 | 12-1/8 |
| 3 PORT | 02-0/8 | - 02-0/8 | 04-0/8 | - 04-0/8 | 06-0/8 | - 06-0/8 | 08-0/8 | - 08-0/8 | 10-1/8 | - 10-1/8 | 12-1/8 | - 12-1/8 |
| 3 STBD | 02-0/8 | - 02-0/8 | 04-0/8 | - 04-0/8 | 06-0/8 | - 06-0/8 | 08-0/8 | - 08-0/8 | 10-1/8 | - 10-1/8 | 12-1/8 | - 12-1/8 |

**(ALL MEASUREMENTS ABOVE ARE IN INCHES)**

**EXAMPLE FOR ABOVE TRIM CORRECTIONS:**

| | | | |
|---|---|---|---|
| FWD. DRAFT | = | 2'-00" | |
| AFT DRAFT | = | 6'-00" | |
| DIFF. | = | 4'-00" | (DOWN BY STERN) |

**THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS 08-1/8"**
**FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-08 1/8"**

**LENGTH BETWEEN DRAFT MARKS: 237'-03"**

**July 15, 2020**


**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**

**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 1 PORT

### ULLAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | 0 | | 0 | | 0 | 5,039.46 | 0 | 4,760.33 | 0 | 4,418.75 | 0 | 4,076.36 | 0 | 3,733.21 | 0 | 3,390.13 | 0 | 3,047.08 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,038.53 | 1/4 | 4,753.22 | 1/4 | 4,411.64 | 1/4 | 4,069.21 | 1/4 | 3,726.06 | 1/4 | 3,382.98 | 1/4 | 3,039.93 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,036.53 | 1/2 | 4,746.10 | 1/2 | 4,404.52 | 1/2 | 4,062.06 | 1/2 | 3,718.91 | 1/2 | 3,375.84 | 1/2 | 3,032.78 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,034.52 | 3/4 | 4,738.99 | 3/4 | 4,397.40 | 3/4 | 4,054.91 | 3/4 | 3,711.76 | 3/4 | 3,368.69 | 3/4 | 3,025.63 |
| 1 | | 1 | | 1 | | 1 | 5,032.51 | 1 | 4,731.87 | 1 | 4,390.29 | 1 | 4,047.76 | 1 | 3,704.61 | 1 | 3,361.54 | 1 | 3,018.49 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,030.50 | 1/4 | 4,724.75 | 1/4 | 4,383.17 | 1/4 | 4,040.62 | 1/4 | 3,697.46 | 1/4 | 3,354.40 | 1/4 | 3,011.34 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,027.31 | 1/2 | 4,717.64 | 1/2 | 4,376.05 | 1/2 | 4,033.47 | 1/2 | 3,690.31 | 1/2 | 3,347.25 | 1/2 | 3,004.19 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,024.11 | 3/4 | 4,710.52 | 3/4 | 4,368.94 | 3/4 | 4,026.32 | 3/4 | 3,683.17 | 3/4 | 3,340.10 | 3/4 | 2,997.04 |
| 2 | | 2 | | 2 | | 2 | 5,020.91 | 2 | 4,703.40 | 2 | 4,361.82 | 2 | 4,019.17 | 2 | 3,676.02 | 2 | 3,332.96 | 2 | 2,989.89 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,017.71 | 1/4 | 4,696.29 | 1/4 | 4,354.71 | 1/4 | 4,012.02 | 1/4 | 3,668.87 | 1/4 | 3,325.81 | 1/4 | 2,982.74 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,013.32 | 1/2 | 4,689.17 | 1/2 | 4,347.59 | 1/2 | 4,004.87 | 1/2 | 3,661.72 | 1/2 | 3,318.66 | 1/2 | 2,975.60 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,008.93 | 3/4 | 4,682.06 | 3/4 | 4,340.47 | 3/4 | 3,997.72 | 3/4 | 3,654.57 | 3/4 | 3,311.51 | 3/4 | 2,968.45 |
| 3 | | 3 | | 3 | | 3 | 5,004.54 | 3 | 4,674.94 | 3 | 4,333.36 | 3 | 3,990.57 | 3 | 3,647.42 | 3 | 3,304.37 | 3 | 2,961.30 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,000.15 | 1/4 | 4,667.82 | 1/4 | 4,326.24 | 1/4 | 3,983.42 | 1/4 | 3,640.27 | 1/4 | 3,297.22 | 1/4 | 2,954.15 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,994.57 | 1/2 | 4,660.71 | 1/2 | 4,319.12 | 1/2 | 3,976.27 | 1/2 | 3,633.13 | 1/2 | 3,290.07 | 1/2 | 2,947.00 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,988.99 | 3/4 | 4,653.59 | 3/4 | 4,312.01 | 3/4 | 3,969.13 | 3/4 | 3,625.98 | 3/4 | 3,282.93 | 3/4 | 2,939.85 |
| 4 | | 4 | | 4 | | 4 | 4,983.40 | 4 | 4,646.47 | 4 | 4,304.89 | 4 | 3,961.98 | 4 | 3,618.83 | 4 | 3,275.78 | 4 | 2,932.70 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,977.82 | 1/4 | 4,639.36 | 1/4 | 4,297.77 | 1/4 | 3,954.83 | 1/4 | 3,611.69 | 1/4 | 3,268.63 | 1/4 | 2,925.55 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,971.23 | 1/2 | 4,632.24 | 1/2 | 4,290.66 | 1/2 | 3,947.68 | 1/2 | 3,604.54 | 1/2 | 3,261.49 | 1/2 | 2,918.41 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,964.64 | 3/4 | 4,625.12 | 3/4 | 4,283.54 | 3/4 | 3,940.53 | 3/4 | 3,597.39 | 3/4 | 3,254.34 | 3/4 | 2,911.26 |
| 5 | | 5 | | 5 | | 5 | 4,958.05 | 5 | 4,618.01 | 5 | 4,276.43 | 5 | 3,933.38 | 5 | 3,590.25 | 5 | 3,247.19 | 5 | 2,904.11 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,951.46 | 1/4 | 4,610.89 | 1/4 | 4,269.31 | 1/4 | 3,926.23 | 1/4 | 3,583.10 | 1/4 | 3,240.04 | 1/4 | 2,896.96 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,944.43 | 1/2 | 4,603.78 | 1/2 | 4,262.18 | 1/2 | 3,919.08 | 1/2 | 3,575.95 | 1/2 | 3,232.90 | 1/2 | 2,889.81 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,937.40 | 3/4 | 4,596.66 | 3/4 | 4,255.05 | 3/4 | 3,911.93 | 3/4 | 3,568.81 | 3/4 | 3,225.75 | 3/4 | 2,882.66 |
| 6 | | 6 | | 6 | | 6 | 4,930.37 | 6 | 4,589.54 | 6 | 4,247.92 | 6 | 3,904.78 | 6 | 3,561.66 | 6 | 3,218.60 | 6 | 2,875.51 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,923.34 | 1/4 | 4,582.43 | 1/4 | 4,240.79 | 1/4 | 3,897.64 | 1/4 | 3,554.51 | 1/4 | 3,211.46 | 1/4 | 2,868.36 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,916.28 | 1/2 | 4,575.31 | 1/2 | 4,233.64 | 1/2 | 3,890.49 | 1/2 | 3,547.37 | 1/2 | 3,204.31 | 1/2 | 2,861.21 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,909.22 | 3/4 | 4,568.19 | 3/4 | 4,226.49 | 3/4 | 3,883.34 | 3/4 | 3,540.22 | 3/4 | 3,197.16 | 3/4 | 2,854.07 |
| 7 | | 7 | | 7 | | 7 | 4,902.15 | 7 | 4,561.08 | 7 | 4,219.34 | 7 | 3,876.19 | 7 | 3,533.07 | 7 | 3,190.02 | 7 | 2,846.92 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,895.09 | 1/4 | 4,553.96 | 1/4 | 4,212.19 | 1/4 | 3,869.04 | 1/4 | 3,525.92 | 1/4 | 3,182.87 | 1/4 | 2,839.77 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,888.02 | 1/2 | 4,546.85 | 1/2 | 4,205.04 | 1/2 | 3,861.89 | 1/2 | 3,518.78 | 1/2 | 3,175.72 | 1/2 | 2,832.62 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,880.95 | 3/4 | 4,539.73 | 3/4 | 4,197.89 | 3/4 | 3,854.74 | 3/4 | 3,511.63 | 3/4 | 3,168.57 | 3/4 | 2,825.47 |
| 8 | | 8 | | 8 | | 8 | 4,873.87 | 8 | 4,532.61 | 8 | 4,190.74 | 8 | 3,847.59 | 8 | 3,504.48 | 8 | 3,161.43 | 8 | 2,818.32 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,866.80 | 1/4 | 4,525.50 | 1/4 | 4,183.60 | 1/4 | 3,840.44 | 1/4 | 3,497.34 | 1/4 | 3,154.28 | 1/4 | 2,811.17 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,859.73 | 1/2 | 4,518.38 | 1/2 | 4,176.45 | 1/2 | 3,833.29 | 1/2 | 3,490.19 | 1/2 | 3,147.13 | 1/2 | 2,804.02 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,852.66 | 3/4 | 4,511.26 | 3/4 | 4,169.30 | 3/4 | 3,826.15 | 3/4 | 3,483.04 | 3/4 | 3,139.99 | 3/4 | 2,796.88 |
| 9 | | 9 | | 9 | | 9 | 4,845.59 | 9 | 4,504.15 | 9 | 4,162.15 | 9 | 3,819.00 | 9 | 3,475.90 | 9 | 3,132.84 | 9 | 2,789.73 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,838.52 | 1/4 | 4,497.03 | 1/4 | 4,155.00 | 1/4 | 3,811.85 | 1/4 | 3,468.75 | 1/4 | 3,125.69 | 1/4 | 2,782.58 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,831.43 | 1/2 | 4,489.91 | 1/2 | 4,147.85 | 1/2 | 3,804.70 | 1/2 | 3,461.60 | 1/2 | 3,118.55 | 1/2 | 2,775.43 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,824.33 | 3/4 | 4,482.80 | 3/4 | 4,140.70 | 3/4 | 3,797.55 | 3/4 | 3,454.45 | 3/4 | 3,111.40 | 3/4 | 2,768.28 |
| 10 | | 10 | | 10 | | 10 | 4,817.24 | 10 | 4,475.68 | 10 | 4,133.55 | 10 | 3,790.40 | 10 | 3,447.31 | 10 | 3,104.25 | 10 | 2,761.13 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,810.15 | 1/4 | 4,468.57 | 1/4 | 4,126.40 | 1/4 | 3,783.25 | 1/4 | 3,440.16 | 1/4 | 3,097.10 | 1/4 | 2,753.98 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,803.03 | 1/2 | 4,461.45 | 1/2 | 4,119.25 | 1/2 | 3,776.10 | 1/2 | 3,433.01 | 1/2 | 3,089.96 | 1/2 | 2,746.83 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,795.92 | 3/4 | 4,454.33 | 3/4 | 4,112.11 | 3/4 | 3,768.95 | 3/4 | 3,425.87 | 3/4 | 3,082.81 | 3/4 | 2,739.69 |
| 11 | | 11 | | 11 | | 11 | 4,788.80 | 11 | 4,447.22 | 11 | 4,104.96 | 11 | 3,761.80 | 11 | 3,418.72 | 11 | 3,075.66 | 11 | 2,732.54 |
| 1/4 | | 1/4 | | 1/4 | 5,042.25 | 1/4 | 4,781.68 | 1/4 | 4,440.10 | 1/4 | 4,097.81 | 1/4 | 3,754.66 | 1/4 | 3,411.57 | 1/4 | 3,068.52 | 1/4 | 2,725.39 |
| 1/2 | | 1/2 | | 1/2 | 5,041.32 | 1/2 | 4,774.57 | 1/2 | 4,432.98 | 1/2 | 4,090.66 | 1/2 | 3,747.51 | 1/2 | 3,404.43 | 1/2 | 3,061.37 | 1/2 | 2,718.24 |
| 3/4 | | 3/4 | | 3/4 | 5,040.39 | 3/4 | 4,767.45 | 3/4 | 4,425.87 | 3/4 | 4,083.51 | 3/4 | 3,740.36 | 3/4 | 3,397.28 | 3/4 | 3,054.22 | 3/4 | 2,711.09 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.**
**GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 1 PORT

### ULLAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,703.94 | 0 | 2,360.77 | 0 | 2,017.61 | 0 | 1,674.44 | 0 | 1,331.28 | 0 | 988.76 | 0 | 647.58 | 0 | 311.06 | 0 | 24.36 | 0 | |
| 1/4 | 2,696.79 | 1/4 | 2,353.63 | 1/4 | 2,010.46 | 1/4 | 1,667.29 | 1/4 | 1,324.13 | 1/4 | 981.67 | 1/4 | 640.43 | 1/4 | 304.41 | 1/4 | 20.51 | 1/4 | |
| 1/2 | 2,689.64 | 1/2 | 2,346.48 | 1/2 | 2,003.31 | 1/2 | 1,660.14 | 1/2 | 1,316.98 | 1/2 | 974.58 | 1/2 | 633.28 | 1/2 | 297.84 | 1/2 | 17.70 | 1/2 | |
| 3/4 | 2,682.49 | 3/4 | 2,339.33 | 3/4 | 1,996.16 | 3/4 | 1,652.99 | 3/4 | 1,309.83 | 3/4 | 967.49 | 3/4 | 626.13 | 3/4 | 291.28 | 3/4 | 14.90 | 3/4 | |
| 1 | 2,675.35 | 1 | 2,332.18 | 1 | 1,989.01 | 1 | 1,645.84 | 1 | 1,302.68 | 1 | 960.40 | 1 | 618.98 | 1 | 284.72 | 1 | 12.10 | 1 | |
| 1/4 | 2,668.20 | 1/4 | 2,325.03 | 1/4 | 1,981.86 | 1/4 | 1,638.70 | 1/4 | 1,295.53 | 1/4 | 953.31 | 1/4 | 611.83 | 1/4 | 278.15 | 1/4 | 9.30 | 1/4 | |
| 1/2 | 2,661.05 | 1/2 | 2,317.88 | 1/2 | 1,974.71 | 1/2 | 1,631.55 | 1/2 | 1,288.38 | 1/2 | 946.22 | 1/2 | 604.68 | 1/2 | 271.67 | 1/2 | 7.51 | 1/2 | |
| 3/4 | 2,653.90 | 3/4 | 2,310.73 | 3/4 | 1,967.56 | 3/4 | 1,624.40 | 3/4 | 1,281.23 | 3/4 | 939.14 | 3/4 | 597.53 | 3/4 | 265.19 | 3/4 | 5.72 | 3/4 | |
| 2 | 2,646.75 | 2 | 2,303.58 | 2 | 1,960.41 | 2 | 1,617.25 | 2 | 1,274.08 | 2 | 932.05 | 2 | 590.38 | 2 | 258.71 | 2 | 3.94 | 2 | |
| 1/4 | 2,639.60 | 1/4 | 2,296.43 | 1/4 | 1,953.26 | 1/4 | 1,610.10 | 1/4 | 1,266.93 | 1/4 | 924.96 | 1/4 | 583.23 | 1/4 | 252.23 | 1/4 | 2.15 | 1/4 | |
| 1/2 | 2,632.45 | 1/2 | 2,289.28 | 1/2 | 1,946.12 | 1/2 | 1,602.95 | 1/2 | 1,259.78 | 1/2 | 917.87 | 1/2 | 576.08 | 1/2 | 245.83 | 1/2 | | 1/2 | |
| 3/4 | 2,625.30 | 3/4 | 2,282.13 | 3/4 | 1,938.97 | 3/4 | 1,595.80 | 3/4 | 1,252.63 | 3/4 | 910.78 | 3/4 | 568.94 | 3/4 | 239.43 | 3/4 | | 3/4 | |
| 3 | 2,618.15 | 3 | 2,274.98 | 3 | 1,931.82 | 3 | 1,588.65 | 3 | 1,245.48 | 3 | 903.69 | 3 | 561.79 | 3 | 233.04 | 3 | | 3 | |
| 1/4 | 2,611.00 | 1/4 | 2,267.83 | 1/4 | 1,924.67 | 1/4 | 1,581.50 | 1/4 | 1,238.33 | 1/4 | 896.60 | 1/4 | 554.64 | 1/4 | 226.64 | 1/4 | | 1/4 | |
| 1/2 | 2,603.85 | 1/2 | 2,260.68 | 1/2 | 1,917.52 | 1/2 | 1,574.35 | 1/2 | 1,231.19 | 1/2 | 889.51 | 1/2 | 547.49 | 1/2 | 220.32 | 1/2 | | 1/2 | |
| 3/4 | 2,596.70 | 3/4 | 2,253.54 | 3/4 | 1,910.37 | 3/4 | 1,567.20 | 3/4 | 1,224.04 | 3/4 | 882.42 | 3/4 | 540.34 | 3/4 | 214.01 | 3/4 | | 3/4 | |
| 4 | 2,589.55 | 4 | 2,246.39 | 4 | 1,903.22 | 4 | 1,560.05 | 4 | 1,216.89 | 4 | 875.34 | 4 | 533.19 | 4 | 207.70 | 4 | | 4 | |
| 1/4 | 2,582.40 | 1/4 | 2,239.24 | 1/4 | 1,896.07 | 1/4 | 1,552.90 | 1/4 | 1,209.74 | 1/4 | 868.25 | 1/4 | 526.04 | 1/4 | 201.38 | 1/4 | | 1/4 | |
| 1/2 | 2,575.25 | 1/2 | 2,232.09 | 1/2 | 1,888.92 | 1/2 | 1,545.75 | 1/2 | 1,202.59 | 1/2 | 861.16 | 1/2 | 518.89 | 1/2 | 195.15 | 1/2 | | 1/2 | |
| 3/4 | 2,568.10 | 3/4 | 2,224.94 | 3/4 | 1,881.77 | 3/4 | 1,538.61 | 3/4 | 1,195.44 | 3/4 | 854.07 | 3/4 | 511.74 | 3/4 | 188.92 | 3/4 | | 3/4 | |
| 5 | 2,560.96 | 5 | 2,217.79 | 5 | 1,874.62 | 5 | 1,531.46 | 5 | 1,188.29 | 5 | 846.98 | 5 | 504.59 | 5 | 182.69 | 5 | | 5 | |
| 1/4 | 2,553.81 | 1/4 | 2,210.64 | 1/4 | 1,867.47 | 1/4 | 1,524.31 | 1/4 | 1,181.14 | 1/4 | 839.89 | 1/4 | 497.44 | 1/4 | 176.46 | 1/4 | | 1/4 | |
| 1/2 | 2,546.66 | 1/2 | 2,203.49 | 1/2 | 1,860.32 | 1/2 | 1,517.16 | 1/2 | 1,173.99 | 1/2 | 832.80 | 1/2 | 490.32 | 1/2 | 170.32 | 1/2 | | 1/2 | |
| 3/4 | 2,539.51 | 3/4 | 2,196.34 | 3/4 | 1,853.17 | 3/4 | 1,510.01 | 3/4 | 1,166.84 | 3/4 | 825.71 | 3/4 | 483.19 | 3/4 | 164.17 | 3/4 | | 3/4 | |
| 6 | 2,532.36 | 6 | 2,189.19 | 6 | 1,846.03 | 6 | 1,502.86 | 6 | 1,159.69 | 6 | 818.63 | 6 | 476.07 | 6 | 158.02 | 6 | | 6 | |
| 1/4 | 2,525.21 | 1/4 | 2,182.04 | 1/4 | 1,838.88 | 1/4 | 1,495.71 | 1/4 | 1,152.54 | 1/4 | 811.54 | 1/4 | 468.94 | 1/4 | 151.88 | 1/4 | | 1/4 | |
| 1/2 | 2,518.06 | 1/2 | 2,174.89 | 1/2 | 1,831.73 | 1/2 | 1,488.56 | 1/2 | 1,145.39 | 1/2 | 804.44 | 1/2 | 461.88 | 1/2 | 145.81 | 1/2 | | 1/2 | |
| 3/4 | 2,510.91 | 3/4 | 2,167.74 | 3/4 | 1,824.58 | 3/4 | 1,481.41 | 3/4 | 1,138.24 | 3/4 | 797.35 | 3/4 | 454.82 | 3/4 | 139.75 | 3/4 | | 3/4 | |
| 7 | 2,503.76 | 7 | 2,160.59 | 7 | 1,817.43 | 7 | 1,474.26 | 7 | 1,131.10 | 7 | 790.26 | 7 | 447.76 | 7 | 133.69 | 7 | | 7 | |
| 1/4 | 2,496.61 | 1/4 | 2,153.45 | 1/4 | 1,810.28 | 1/4 | 1,467.11 | 1/4 | 1,123.95 | 1/4 | 783.17 | 1/4 | 440.70 | 1/4 | 127.62 | 1/4 | | 1/4 | |
| 1/2 | 2,489.46 | 1/2 | 2,146.30 | 1/2 | 1,803.13 | 1/2 | 1,459.96 | 1/2 | 1,116.80 | 1/2 | 776.06 | 1/2 | 433.72 | 1/2 | 121.64 | 1/2 | | 1/2 | |
| 3/4 | 2,482.31 | 3/4 | 2,139.15 | 3/4 | 1,795.98 | 3/4 | 1,452.81 | 3/4 | 1,109.65 | 3/4 | 768.95 | 3/4 | 426.74 | 3/4 | 115.66 | 3/4 | | 3/4 | |
| 8 | 2,475.16 | 8 | 2,132.00 | 8 | 1,788.83 | 8 | 1,445.66 | 8 | 1,102.50 | 8 | 761.85 | 8 | 419.76 | 8 | 109.69 | 8 | | 8 | |
| 1/4 | 2,468.01 | 1/4 | 2,124.85 | 1/4 | 1,781.68 | 1/4 | 1,438.52 | 1/4 | 1,095.35 | 1/4 | 754.74 | 1/4 | 412.78 | 1/4 | 103.71 | 1/4 | | 1/4 | |
| 1/2 | 2,460.87 | 1/2 | 2,117.70 | 1/2 | 1,774.53 | 1/2 | 1,431.37 | 1/2 | 1,088.22 | 1/2 | 747.61 | 1/2 | 405.88 | 1/2 | 97.82 | 1/2 | | 1/2 | |
| 3/4 | 2,453.72 | 3/4 | 2,110.55 | 3/4 | 1,767.38 | 3/4 | 1,424.22 | 3/4 | 1,081.08 | 3/4 | 740.48 | 3/4 | 398.98 | 3/4 | 91.93 | 3/4 | | 3/4 | |
| 9 | 2,446.57 | 9 | 2,103.40 | 9 | 1,760.23 | 9 | 1,417.07 | 9 | 1,073.95 | 9 | 733.35 | 9 | 392.09 | 9 | 86.04 | 9 | | 9 | |
| 1/4 | 2,439.42 | 1/4 | 2,096.25 | 1/4 | 1,753.08 | 1/4 | 1,409.92 | 1/4 | 1,066.82 | 1/4 | 726.22 | 1/4 | 385.19 | 1/4 | 80.15 | 1/4 | | 1/4 | |
| 1/2 | 2,432.27 | 1/2 | 2,089.10 | 1/2 | 1,745.94 | 1/2 | 1,402.77 | 1/2 | 1,059.71 | 1/2 | 719.07 | 1/2 | 378.37 | 1/2 | 74.36 | 1/2 | | 1/2 | |
| 3/4 | 2,425.12 | 3/4 | 2,081.95 | 3/4 | 1,738.79 | 3/4 | 1,395.62 | 3/4 | 1,052.61 | 3/4 | 711.92 | 3/4 | 371.56 | 3/4 | 68.57 | 3/4 | | 3/4 | |
| 10 | 2,417.97 | 10 | 2,074.80 | 10 | 1,731.64 | 10 | 1,388.47 | 10 | 1,045.50 | 10 | 704.77 | 10 | 364.74 | 10 | 62.78 | 10 | | 10 | |
| 1/4 | 2,410.82 | 1/4 | 2,067.65 | 1/4 | 1,724.49 | 1/4 | 1,381.32 | 1/4 | 1,038.40 | 1/4 | 697.62 | 1/4 | 357.93 | 1/4 | 56.99 | 1/4 | | 1/4 | |
| 1/2 | 2,403.67 | 1/2 | 2,060.50 | 1/2 | 1,717.34 | 1/2 | 1,374.17 | 1/2 | 1,031.30 | 1/2 | 690.47 | 1/2 | 351.20 | 1/2 | 51.73 | 1/2 | | 1/2 | |
| 3/4 | 2,396.52 | 3/4 | 2,053.36 | 3/4 | 1,710.19 | 3/4 | 1,367.02 | 3/4 | 1,024.21 | 3/4 | 683.32 | 3/4 | 344.46 | 3/4 | 46.46 | 3/4 | | 3/4 | |
| 11 | 2,389.37 | 11 | 2,046.21 | 11 | 1,703.04 | 11 | 1,359.87 | 11 | 1,017.12 | 11 | 676.17 | 11 | 337.73 | 11 | 41.20 | 11 | | 11 | |
| 1/4 | 2,382.22 | 1/4 | 2,039.06 | 1/4 | 1,695.89 | 1/4 | 1,352.72 | 1/4 | 1,010.02 | 1/4 | 669.02 | 1/4 | 331.00 | 1/4 | 35.94 | 1/4 | | 1/4 | |
| 1/2 | 2,375.07 | 1/2 | 2,031.91 | 1/2 | 1,688.74 | 1/2 | 1,345.57 | 1/2 | 1,002.94 | 1/2 | 661.87 | 1/2 | 324.35 | 1/2 | 32.08 | 1/2 | | 1/2 | |
| 3/4 | 2,367.92 | 3/4 | 2,024.76 | 3/4 | 1,681.59 | 3/4 | 1,338.43 | 3/4 | 995.85 | 3/4 | 654.72 | 3/4 | 317.71 | 3/4 | 28.22 | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 1 STBD

### ULLAGE TABLE

### 10" HATCH

GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | 0 | | 0 | | 0 | 5,035.04 | 0 | 4,750.05 | 0 | 4,408.87 | 0 | 4,066.84 | 0 | 3,724.08 | 0 | 3,381.40 | 0 | 3,038.75 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,033.03 | 1/4 | 4,742.94 | 1/4 | 4,401.76 | 1/4 | 4,059.70 | 1/4 | 3,716.94 | 1/4 | 3,374.26 | 1/4 | 3,031.61 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,031.03 | 1/2 | 4,735.84 | 1/2 | 4,394.65 | 1/2 | 4,052.56 | 1/2 | 3,709.80 | 1/2 | 3,367.13 | 1/2 | 3,024.47 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,029.02 | 3/4 | 4,728.73 | 3/4 | 4,387.54 | 3/4 | 4,045.42 | 3/4 | 3,702.66 | 3/4 | 3,359.99 | 3/4 | 3,017.33 |
| 1 | | 1 | | 1 | | 1 | 5,027.02 | 1 | 4,721.62 | 1 | 4,380.44 | 1 | 4,038.28 | 1 | 3,695.52 | 1 | 3,352.85 | 1 | 3,010.19 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,023.82 | 1/4 | 4,714.51 | 1/4 | 4,373.33 | 1/4 | 4,031.13 | 1/4 | 3,688.38 | 1/4 | 3,345.71 | 1/4 | 3,003.05 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,020.63 | 1/2 | 4,707.40 | 1/2 | 4,366.22 | 1/2 | 4,023.99 | 1/2 | 3,681.24 | 1/2 | 3,338.57 | 1/2 | 2,995.91 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,017.43 | 3/4 | 4,700.30 | 3/4 | 4,359.11 | 3/4 | 4,016.85 | 3/4 | 3,674.10 | 3/4 | 3,331.43 | 3/4 | 2,988.77 |
| 2 | | 2 | | 2 | | 2 | 5,014.24 | 2 | 4,693.19 | 2 | 4,352.00 | 2 | 4,009.71 | 2 | 3,666.96 | 2 | 3,324.29 | 2 | 2,981.63 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,009.85 | 1/4 | 4,686.08 | 1/4 | 4,344.90 | 1/4 | 4,002.57 | 1/4 | 3,659.82 | 1/4 | 3,317.16 | 1/4 | 2,974.49 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,005.47 | 1/2 | 4,678.97 | 1/2 | 4,337.79 | 1/2 | 3,995.43 | 1/2 | 3,652.68 | 1/2 | 3,310.02 | 1/2 | 2,967.35 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,001.08 | 3/4 | 4,671.86 | 3/4 | 4,330.68 | 3/4 | 3,988.29 | 3/4 | 3,645.54 | 3/4 | 3,302.88 | 3/4 | 2,960.21 |
| 3 | | 3 | | 3 | | 3 | 4,996.70 | 3 | 4,664.76 | 3 | 4,323.57 | 3 | 3,981.15 | 3 | 3,638.40 | 3 | 3,295.74 | 3 | 2,953.07 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,991.12 | 1/4 | 4,657.65 | 1/4 | 4,316.46 | 1/4 | 3,974.01 | 1/4 | 3,631.26 | 1/4 | 3,288.60 | 1/4 | 2,945.93 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,985.55 | 1/2 | 4,650.54 | 1/2 | 4,309.36 | 1/2 | 3,966.87 | 1/2 | 3,624.12 | 1/2 | 3,281.46 | 1/2 | 2,938.79 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,979.97 | 3/4 | 4,643.43 | 3/4 | 4,302.25 | 3/4 | 3,959.73 | 3/4 | 3,616.98 | 3/4 | 3,274.32 | 3/4 | 2,931.65 |
| 4 | | 4 | | 4 | | 4 | 4,974.40 | 4 | 4,636.32 | 4 | 4,295.14 | 4 | 3,952.59 | 4 | 3,609.84 | 4 | 3,267.18 | 4 | 2,924.51 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,967.81 | 1/4 | 4,629.22 | 1/4 | 4,288.03 | 1/4 | 3,945.45 | 1/4 | 3,602.70 | 1/4 | 3,260.05 | 1/4 | 2,917.37 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,961.23 | 1/2 | 4,622.11 | 1/2 | 4,280.92 | 1/2 | 3,938.31 | 1/2 | 3,595.56 | 1/2 | 3,252.91 | 1/2 | 2,910.22 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,954.65 | 3/4 | 4,615.00 | 3/4 | 4,273.82 | 3/4 | 3,931.17 | 3/4 | 3,588.43 | 3/4 | 3,245.77 | 3/4 | 2,903.08 |
| 5 | | 5 | | 5 | | 5 | 4,948.07 | 5 | 4,607.89 | 5 | 4,266.71 | 5 | 3,924.02 | 5 | 3,581.29 | 5 | 3,238.63 | 5 | 2,895.94 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,941.05 | 1/4 | 4,600.78 | 1/4 | 4,259.59 | 1/4 | 3,916.88 | 1/4 | 3,574.15 | 1/4 | 3,231.49 | 1/4 | 2,888.80 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,934.02 | 1/2 | 4,593.68 | 1/2 | 4,252.46 | 1/2 | 3,909.74 | 1/2 | 3,567.01 | 1/2 | 3,224.35 | 1/2 | 2,881.66 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,927.00 | 3/4 | 4,586.57 | 3/4 | 4,245.34 | 3/4 | 3,902.60 | 3/4 | 3,559.87 | 3/4 | 3,217.21 | 3/4 | 2,874.52 |
| 6 | | 6 | | 6 | | 6 | 4,919.98 | 6 | 4,579.46 | 6 | 4,238.22 | 6 | 3,895.46 | 6 | 3,552.73 | 6 | 3,210.07 | 6 | 2,867.38 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,912.93 | 1/4 | 4,572.35 | 1/4 | 4,231.07 | 1/4 | 3,888.32 | 1/4 | 3,545.59 | 1/4 | 3,202.94 | 1/4 | 2,860.24 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,905.87 | 1/2 | 4,565.24 | 1/2 | 4,223.93 | 1/2 | 3,881.18 | 1/2 | 3,538.46 | 1/2 | 3,195.80 | 1/2 | 2,853.10 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,898.81 | 3/4 | 4,558.14 | 3/4 | 4,216.79 | 3/4 | 3,874.04 | 3/4 | 3,531.32 | 3/4 | 3,188.66 | 3/4 | 2,845.96 |
| 7 | | 7 | | 7 | | 7 | 4,891.76 | 7 | 4,551.03 | 7 | 4,209.65 | 7 | 3,866.90 | 7 | 3,524.18 | 7 | 3,181.52 | 7 | 2,838.82 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,884.70 | 1/4 | 4,543.92 | 1/4 | 4,202.51 | 1/4 | 3,859.76 | 1/4 | 3,517.04 | 1/4 | 3,174.38 | 1/4 | 2,831.68 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,877.64 | 1/2 | 4,536.81 | 1/2 | 4,195.37 | 1/2 | 3,852.62 | 1/2 | 3,509.90 | 1/2 | 3,167.24 | 1/2 | 2,824.54 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,870.57 | 3/4 | 4,529.70 | 3/4 | 4,188.23 | 3/4 | 3,845.48 | 3/4 | 3,502.76 | 3/4 | 3,160.10 | 3/4 | 2,817.40 |
| 8 | | 8 | | 8 | | 8 | 4,863.51 | 8 | 4,522.60 | 8 | 4,181.09 | 8 | 3,838.34 | 8 | 3,495.62 | 8 | 3,152.97 | 8 | 2,810.26 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,856.45 | 1/4 | 4,515.49 | 1/4 | 4,173.95 | 1/4 | 3,831.20 | 1/4 | 3,488.48 | 1/4 | 3,145.83 | 1/4 | 2,803.12 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,849.38 | 1/2 | 4,508.38 | 1/2 | 4,166.81 | 1/2 | 3,824.05 | 1/2 | 3,481.35 | 1/2 | 3,138.69 | 1/2 | 2,795.97 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,842.32 | 3/4 | 4,501.27 | 3/4 | 4,159.67 | 3/4 | 3,816.91 | 3/4 | 3,474.21 | 3/4 | 3,131.55 | 3/4 | 2,788.83 |
| 9 | | 9 | | 9 | | 9 | 4,835.26 | 9 | 4,494.16 | 9 | 4,152.53 | 9 | 3,809.77 | 9 | 3,467.07 | 9 | 3,124.41 | 9 | 2,781.69 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,828.17 | 1/4 | 4,487.06 | 1/4 | 4,145.39 | 1/4 | 3,802.63 | 1/4 | 3,459.93 | 1/4 | 3,117.27 | 1/4 | 2,774.55 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,821.09 | 1/2 | 4,479.95 | 1/2 | 4,138.25 | 1/2 | 3,795.49 | 1/2 | 3,452.79 | 1/2 | 3,110.13 | 1/2 | 2,767.41 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,814.00 | 3/4 | 4,472.84 | 3/4 | 4,131.10 | 3/4 | 3,788.35 | 3/4 | 3,445.65 | 3/4 | 3,102.99 | 3/4 | 2,760.27 |
| 10 | | 10 | | 10 | | 10 | 4,806.92 | 10 | 4,465.73 | 10 | 4,123.96 | 10 | 3,781.21 | 10 | 3,438.51 | 10 | 3,095.86 | 10 | 2,753.13 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,799.81 | 1/4 | 4,458.62 | 1/4 | 4,116.82 | 1/4 | 3,774.07 | 1/4 | 3,431.37 | 1/4 | 3,088.72 | 1/4 | 2,745.99 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,792.70 | 1/2 | 4,451.52 | 1/2 | 4,109.68 | 1/2 | 3,766.93 | 1/2 | 3,424.24 | 1/2 | 3,081.58 | 1/2 | 2,738.85 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,785.59 | 3/4 | 4,444.41 | 3/4 | 4,102.54 | 3/4 | 3,759.79 | 3/4 | 3,417.10 | 3/4 | 3,074.44 | 3/4 | 2,731.71 |
| 11 | | 11 | | 11 | 5,038.75 | 11 | 4,778.48 | 11 | 4,437.30 | 11 | 4,095.40 | 11 | 3,752.65 | 11 | 3,409.96 | 11 | 3,067.30 | 11 | 2,724.57 |
| 1/4 | | 1/4 | | 1/4 | 5,037.82 | 1/4 | 4,771.38 | 1/4 | 4,430.19 | 1/4 | 4,088.26 | 1/4 | 3,745.51 | 1/4 | 3,402.82 | 1/4 | 3,060.16 | 1/4 | 2,717.43 |
| 1/2 | | 1/2 | | 1/2 | 5,036.89 | 1/2 | 4,764.27 | 1/2 | 4,423.08 | 1/2 | 4,081.12 | 1/2 | 3,738.37 | 1/2 | 3,395.68 | 1/2 | 3,053.02 | 1/2 | 2,710.29 |
| 3/4 | | 3/4 | | 3/4 | 5,035.97 | 3/4 | 4,757.16 | 3/4 | 4,415.98 | 3/4 | 4,073.98 | 3/4 | 3,731.23 | 3/4 | 3,388.54 | 3/4 | 3,045.88 | 3/4 | 2,703.15 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.**
**GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 1 STBD

### ULLAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,696.01 | 0 | 2,353.24 | 0 | 2,010.47 | 0 | 1,667.70 | 0 | 1,324.93 | 0 | 982.21 | 0 | 639.68 | 0 | 304.01 | 0 | 20.48 | 0 | |
| 1/4 | 2,688.87 | 1/4 | 2,346.10 | 1/4 | 2,003.33 | 1/4 | 1,660.56 | 1/4 | 1,317.78 | 1/4 | 975.08 | 1/4 | 632.54 | 1/4 | 297.46 | 1/4 | 17.68 | 1/4 | |
| 1/2 | 2,681.73 | 1/2 | 2,338.96 | 1/2 | 1,996.19 | 1/2 | 1,653.42 | 1/2 | 1,310.64 | 1/2 | 967.94 | 1/2 | 625.40 | 1/2 | 290.90 | 1/2 | 14.88 | 1/2 | |
| 3/4 | 2,674.58 | 3/4 | 2,331.82 | 3/4 | 1,989.05 | 3/4 | 1,646.28 | 3/4 | 1,303.50 | 3/4 | 960.81 | 3/4 | 618.26 | 3/4 | 284.35 | 3/4 | 12.08 | 3/4 | |
| 1 | 2,667.44 | 1 | 2,324.68 | 1 | 1,981.91 | 1 | 1,639.13 | 1 | 1,296.36 | 1 | 953.68 | 1 | 611.11 | 1 | 277.79 | 1 | 9.29 | 1 | |
| 1/4 | 2,660.30 | 1/4 | 2,317.54 | 1/4 | 1,974.77 | 1/4 | 1,631.99 | 1/4 | 1,289.22 | 1/4 | 946.55 | 1/4 | 603.97 | 1/4 | 271.32 | 1/4 | 7.50 | 1/4 | |
| 1/2 | 2,653.16 | 1/2 | 2,310.40 | 1/2 | 1,967.62 | 1/2 | 1,624.85 | 1/2 | 1,282.08 | 1/2 | 939.42 | 1/2 | 596.83 | 1/2 | 264.84 | 1/2 | 5.72 | 1/2 | |
| 3/4 | 2,646.02 | 3/4 | 2,303.26 | 3/4 | 1,960.48 | 3/4 | 1,617.71 | 3/4 | 1,274.94 | 3/4 | 932.28 | 3/4 | 589.69 | 3/4 | 258.37 | 3/4 | 3.93 | 3/4 | |
| 2 | 2,638.88 | 2 | 2,296.12 | 2 | 1,953.34 | 2 | 1,610.57 | 2 | 1,267.80 | 2 | 925.15 | 2 | 582.55 | 2 | 251.90 | 2 | 2.15 | 2 | |
| 1/4 | 2,631.74 | 1/4 | 2,288.97 | 1/4 | 1,946.20 | 1/4 | 1,603.43 | 1/4 | 1,260.66 | 1/4 | 918.02 | 1/4 | 575.41 | 1/4 | 245.51 | 1/4 | | 1/4 | |
| 1/2 | 2,624.60 | 1/2 | 2,281.83 | 1/2 | 1,939.06 | 1/2 | 1,596.29 | 1/2 | 1,253.51 | 1/2 | 910.89 | 1/2 | 568.27 | 1/2 | 239.12 | 1/2 | | 1/2 | |
| 3/4 | 2,617.46 | 3/4 | 2,274.69 | 3/4 | 1,931.92 | 3/4 | 1,589.15 | 3/4 | 1,246.37 | 3/4 | 903.75 | 3/4 | 561.13 | 3/4 | 232.73 | 3/4 | | 3/4 | |
| 3 | 2,610.32 | 3 | 2,267.55 | 3 | 1,924.78 | 3 | 1,582.01 | 3 | 1,239.23 | 3 | 896.62 | 3 | 553.99 | 3 | 226.34 | 3 | | 3 | |
| 1/4 | 2,603.18 | 1/4 | 2,260.41 | 1/4 | 1,917.64 | 1/4 | 1,574.86 | 1/4 | 1,232.09 | 1/4 | 889.49 | 1/4 | 546.85 | 1/4 | 220.03 | 1/4 | | 1/4 | |
| 1/2 | 2,596.04 | 1/2 | 2,253.27 | 1/2 | 1,910.50 | 1/2 | 1,567.72 | 1/2 | 1,224.95 | 1/2 | 882.36 | 1/2 | 539.71 | 1/2 | 213.73 | 1/2 | | 1/2 | |
| 3/4 | 2,588.90 | 3/4 | 2,246.13 | 3/4 | 1,903.35 | 3/4 | 1,560.58 | 3/4 | 1,217.81 | 3/4 | 875.23 | 3/4 | 532.56 | 3/4 | 207.42 | 3/4 | | 3/4 | |
| 4 | 2,581.76 | 4 | 2,238.99 | 4 | 1,896.21 | 4 | 1,553.44 | 4 | 1,210.67 | 4 | 868.09 | 4 | 525.42 | 4 | 201.12 | 4 | | 4 | |
| 1/4 | 2,574.62 | 1/4 | 2,231.85 | 1/4 | 1,889.07 | 1/4 | 1,546.30 | 1/4 | 1,203.53 | 1/4 | 860.96 | 1/4 | 518.28 | 1/4 | 194.89 | 1/4 | | 1/4 | |
| 1/2 | 2,567.48 | 1/2 | 2,224.70 | 1/2 | 1,881.93 | 1/2 | 1,539.16 | 1/2 | 1,196.39 | 1/2 | 853.83 | 1/2 | 511.14 | 1/2 | 188.67 | 1/2 | | 1/2 | |
| 3/4 | 2,560.34 | 3/4 | 2,217.56 | 3/4 | 1,874.79 | 3/4 | 1,532.02 | 3/4 | 1,189.24 | 3/4 | 846.70 | 3/4 | 504.00 | 3/4 | 182.45 | 3/4 | | 3/4 | |
| 5 | 2,553.19 | 5 | 2,210.42 | 5 | 1,867.65 | 5 | 1,524.88 | 5 | 1,182.10 | 5 | 839.57 | 5 | 496.86 | 5 | 176.23 | 5 | | 5 | |
| 1/4 | 2,546.05 | 1/4 | 2,203.28 | 1/4 | 1,860.51 | 1/4 | 1,517.74 | 1/4 | 1,174.96 | 1/4 | 832.43 | 1/4 | 489.74 | 1/4 | 170.09 | 1/4 | | 1/4 | |
| 1/2 | 2,538.91 | 1/2 | 2,196.14 | 1/2 | 1,853.37 | 1/2 | 1,510.59 | 1/2 | 1,167.82 | 1/2 | 825.30 | 1/2 | 482.62 | 1/2 | 163.95 | 1/2 | | 1/2 | |
| 3/4 | 2,531.77 | 3/4 | 2,189.00 | 3/4 | 1,846.23 | 3/4 | 1,503.45 | 3/4 | 1,160.68 | 3/4 | 818.17 | 3/4 | 475.50 | 3/4 | 157.81 | 3/4 | | 3/4 | |
| 6 | 2,524.63 | 6 | 2,181.86 | 6 | 1,839.08 | 6 | 1,496.31 | 6 | 1,153.54 | 6 | 811.04 | 6 | 468.38 | 6 | 151.67 | 6 | | 6 | |
| 1/4 | 2,517.49 | 1/4 | 2,174.72 | 1/4 | 1,831.94 | 1/4 | 1,489.17 | 1/4 | 1,146.40 | 1/4 | 803.90 | 1/4 | 461.32 | 1/4 | 145.62 | 1/4 | | 1/4 | |
| 1/2 | 2,510.35 | 1/2 | 2,167.58 | 1/2 | 1,824.80 | 1/2 | 1,482.03 | 1/2 | 1,139.26 | 1/2 | 796.77 | 1/2 | 454.27 | 1/2 | 139.56 | 1/2 | | 1/2 | |
| 3/4 | 2,503.21 | 3/4 | 2,160.43 | 3/4 | 1,817.66 | 3/4 | 1,474.89 | 3/4 | 1,132.12 | 3/4 | 789.63 | 3/4 | 447.21 | 3/4 | 133.51 | 3/4 | | 3/4 | |
| 7 | 2,496.07 | 7 | 2,153.29 | 7 | 1,810.52 | 7 | 1,467.75 | 7 | 1,124.97 | 7 | 782.49 | 7 | 440.15 | 7 | 127.45 | 7 | | 7 | |
| 1/4 | 2,488.92 | 1/4 | 2,146.15 | 1/4 | 1,803.38 | 1/4 | 1,460.61 | 1/4 | 1,117.83 | 1/4 | 775.35 | 1/4 | 433.18 | 1/4 | 121.48 | 1/4 | | 1/4 | |
| 1/2 | 2,481.78 | 1/2 | 2,139.01 | 1/2 | 1,796.24 | 1/2 | 1,453.47 | 1/2 | 1,110.69 | 1/2 | 768.21 | 1/2 | 426.20 | 1/2 | 115.51 | 1/2 | | 1/2 | |
| 3/4 | 2,474.64 | 3/4 | 2,131.87 | 3/4 | 1,789.10 | 3/4 | 1,446.32 | 3/4 | 1,103.55 | 3/4 | 761.07 | 3/4 | 419.23 | 3/4 | 109.54 | 3/4 | | 3/4 | |
| 8 | 2,467.50 | 8 | 2,124.73 | 8 | 1,781.96 | 8 | 1,439.18 | 8 | 1,096.41 | 8 | 753.93 | 8 | 412.26 | 8 | 103.57 | 8 | | 8 | |
| 1/4 | 2,460.36 | 1/4 | 2,117.59 | 1/4 | 1,774.81 | 1/4 | 1,432.04 | 1/4 | 1,089.27 | 1/4 | 746.79 | 1/4 | 405.37 | 1/4 | 97.68 | 1/4 | | 1/4 | |
| 1/2 | 2,453.22 | 1/2 | 2,110.45 | 1/2 | 1,767.67 | 1/2 | 1,424.90 | 1/2 | 1,082.13 | 1/2 | 739.65 | 1/2 | 398.48 | 1/2 | 91.80 | 1/2 | | 1/2 | |
| 3/4 | 2,446.08 | 3/4 | 2,103.31 | 3/4 | 1,760.53 | 3/4 | 1,417.76 | 3/4 | 1,074.99 | 3/4 | 732.51 | 3/4 | 391.58 | 3/4 | 85.92 | 3/4 | | 3/4 | |
| 9 | 2,438.94 | 9 | 2,096.16 | 9 | 1,753.39 | 9 | 1,410.62 | 9 | 1,067.85 | 9 | 725.37 | 9 | 384.69 | 9 | 80.04 | 9 | | 9 | |
| 1/4 | 2,431.80 | 1/4 | 2,089.02 | 1/4 | 1,746.25 | 1/4 | 1,403.48 | 1/4 | 1,060.71 | 1/4 | 718.23 | 1/4 | 377.89 | 1/4 | 74.26 | 1/4 | | 1/4 | |
| 1/2 | 2,424.66 | 1/2 | 2,081.88 | 1/2 | 1,739.11 | 1/2 | 1,396.34 | 1/2 | 1,053.56 | 1/2 | 711.09 | 1/2 | 371.08 | 1/2 | 68.47 | 1/2 | | 1/2 | |
| 3/4 | 2,417.51 | 3/4 | 2,074.74 | 3/4 | 1,731.97 | 3/4 | 1,389.20 | 3/4 | 1,046.42 | 3/4 | 703.95 | 3/4 | 364.27 | 3/4 | 62.69 | 3/4 | | 3/4 | |
| 10 | 2,410.37 | 10 | 2,067.60 | 10 | 1,724.83 | 10 | 1,382.05 | 10 | 1,039.28 | 10 | 696.81 | 10 | 357.47 | 10 | 56.91 | 10 | | 10 | |
| 1/4 | 2,403.23 | 1/4 | 2,060.46 | 1/4 | 1,717.69 | 1/4 | 1,374.91 | 1/4 | 1,032.15 | 1/4 | 689.66 | 1/4 | 350.74 | 1/4 | 51.65 | 1/4 | | 1/4 | |
| 1/2 | 2,396.09 | 1/2 | 2,053.32 | 1/2 | 1,710.55 | 1/2 | 1,367.77 | 1/2 | 1,025.01 | 1/2 | 682.52 | 1/2 | 344.02 | 1/2 | 46.40 | 1/2 | | 1/2 | |
| 3/4 | 2,388.95 | 3/4 | 2,046.18 | 3/4 | 1,703.40 | 3/4 | 1,360.63 | 3/4 | 1,017.87 | 3/4 | 675.38 | 3/4 | 337.30 | 3/4 | 41.14 | 3/4 | | 3/4 | |
| 11 | 2,381.81 | 11 | 2,039.04 | 11 | 1,696.26 | 11 | 1,353.49 | 11 | 1,010.74 | 11 | 668.24 | 11 | 330.57 | 11 | 35.89 | 11 | | 11 | |
| 1/4 | 2,374.67 | 1/4 | 2,031.89 | 1/4 | 1,689.12 | 1/4 | 1,346.35 | 1/4 | 1,003.61 | 1/4 | 661.10 | 1/4 | 323.93 | 1/4 | 32.03 | 1/4 | | 1/4 | |
| 1/2 | 2,367.53 | 1/2 | 2,024.75 | 1/2 | 1,681.98 | 1/2 | 1,339.21 | 1/2 | 996.47 | 1/2 | 653.96 | 1/2 | 317.29 | 1/2 | 28.18 | 1/2 | | 1/2 | |
| 3/4 | 2,360.39 | 3/4 | 2,017.61 | 3/4 | 1,674.84 | 3/4 | 1,332.07 | 3/4 | 989.34 | 3/4 | 646.82 | 3/4 | 310.65 | 3/4 | 24.33 | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 2 PORT

### ULLAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | 0 | | 0 | | 0 | 5,098.36 | 0 | 4,818.72 | 0 | 4,476.50 | 0 | 4,133.45 | 0 | 3,789.66 | 0 | 3,445.87 | 0 | 3,102.08 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,097.43 | 1/4 | 4,811.59 | 1/4 | 4,469.37 | 1/4 | 4,126.29 | 1/4 | 3,782.50 | 1/4 | 3,438.71 | 1/4 | 3,094.92 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,095.42 | 1/2 | 4,804.46 | 1/2 | 4,462.24 | 1/2 | 4,119.13 | 1/2 | 3,775.34 | 1/2 | 3,431.55 | 1/2 | 3,087.76 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,093.41 | 3/4 | 4,797.33 | 3/4 | 4,455.11 | 3/4 | 4,111.97 | 3/4 | 3,768.18 | 3/4 | 3,424.39 | 3/4 | 3,080.60 |
| 1 | | 1 | | 1 | | 1 | 5,091.40 | 1 | 4,790.20 | 1 | 4,447.98 | 1 | 4,104.80 | 1 | 3,761.01 | 1 | 3,417.22 | 1 | 3,073.43 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,089.39 | 1/4 | 4,783.08 | 1/4 | 4,440.85 | 1/4 | 4,097.64 | 1/4 | 3,753.85 | 1/4 | 3,410.06 | 1/4 | 3,066.27 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,086.18 | 1/2 | 4,775.95 | 1/2 | 4,433.72 | 1/2 | 4,090.48 | 1/2 | 3,746.69 | 1/2 | 3,402.90 | 1/2 | 3,059.11 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,082.98 | 3/4 | 4,768.82 | 3/4 | 4,426.59 | 3/4 | 4,083.32 | 3/4 | 3,739.53 | 3/4 | 3,395.74 | 3/4 | 3,051.95 |
| 2 | | 2 | | 2 | | 2 | 5,079.78 | 2 | 4,761.69 | 2 | 4,419.46 | 2 | 4,076.16 | 2 | 3,732.37 | 2 | 3,388.57 | 2 | 3,044.80 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,076.57 | 1/4 | 4,754.56 | 1/4 | 4,412.33 | 1/4 | 4,068.99 | 1/4 | 3,725.20 | 1/4 | 3,381.41 | 1/4 | 3,037.64 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,072.17 | 1/2 | 4,747.43 | 1/2 | 4,405.20 | 1/2 | 4,061.83 | 1/2 | 3,718.04 | 1/2 | 3,374.25 | 1/2 | 3,030.47 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,067.78 | 3/4 | 4,740.30 | 3/4 | 4,398.07 | 3/4 | 4,054.67 | 3/4 | 3,710.88 | 3/4 | 3,367.09 | 3/4 | 3,023.31 |
| 3 | | 3 | | 3 | | 3 | 5,063.38 | 3 | 4,733.17 | 3 | 4,390.94 | 3 | 4,047.51 | 3 | 3,703.72 | 3 | 3,359.93 | 3 | 3,016.14 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,058.98 | 1/4 | 4,726.04 | 1/4 | 4,383.81 | 1/4 | 4,040.34 | 1/4 | 3,696.55 | 1/4 | 3,352.76 | 1/4 | 3,008.98 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,053.39 | 1/2 | 4,718.91 | 1/2 | 4,376.68 | 1/2 | 4,033.18 | 1/2 | 3,689.39 | 1/2 | 3,345.60 | 1/2 | 3,001.82 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,047.80 | 3/4 | 4,711.78 | 3/4 | 4,369.55 | 3/4 | 4,026.02 | 3/4 | 3,682.23 | 3/4 | 3,338.44 | 3/4 | 2,994.65 |
| 4 | | 4 | | 4 | | 4 | 5,042.20 | 4 | 4,704.65 | 4 | 4,362.42 | 4 | 4,018.86 | 4 | 3,675.07 | 4 | 3,331.28 | 4 | 2,987.49 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,036.61 | 1/4 | 4,697.52 | 1/4 | 4,355.29 | 1/4 | 4,011.69 | 1/4 | 3,667.90 | 1/4 | 3,324.11 | 1/4 | 2,980.32 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,030.01 | 1/2 | 4,690.39 | 1/2 | 4,348.16 | 1/2 | 4,004.53 | 1/2 | 3,660.74 | 1/2 | 3,316.95 | 1/2 | 2,973.16 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,023.41 | 3/4 | 4,683.26 | 3/4 | 4,341.03 | 3/4 | 3,997.37 | 3/4 | 3,653.58 | 3/4 | 3,309.79 | 3/4 | 2,965.99 |
| 5 | | 5 | | 5 | | 5 | 5,016.80 | 5 | 4,676.13 | 5 | 4,333.90 | 5 | 3,990.21 | 5 | 3,646.42 | 5 | 3,302.63 | 5 | 2,958.83 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,010.20 | 1/4 | 4,669.00 | 1/4 | 4,326.77 | 1/4 | 3,983.05 | 1/4 | 3,639.26 | 1/4 | 3,295.46 | 1/4 | 2,951.66 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,003.16 | 1/2 | 4,661.87 | 1/2 | 4,319.63 | 1/2 | 3,975.88 | 1/2 | 3,632.09 | 1/2 | 3,288.30 | 1/2 | 2,944.50 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,996.12 | 3/4 | 4,654.74 | 3/4 | 4,312.48 | 3/4 | 3,968.72 | 3/4 | 3,624.93 | 3/4 | 3,281.14 | 3/4 | 2,937.34 |
| 6 | | 6 | | 6 | | 6 | 4,989.07 | 6 | 4,647.61 | 6 | 4,305.33 | 6 | 3,961.56 | 6 | 3,617.77 | 6 | 3,273.98 | 6 | 2,930.17 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,982.03 | 1/4 | 4,640.48 | 1/4 | 4,298.19 | 1/4 | 3,954.40 | 1/4 | 3,610.61 | 1/4 | 3,266.82 | 1/4 | 2,923.01 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,974.95 | 1/2 | 4,633.35 | 1/2 | 4,291.02 | 1/2 | 3,947.23 | 1/2 | 3,603.44 | 1/2 | 3,259.65 | 1/2 | 2,915.84 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,967.88 | 3/4 | 4,626.22 | 3/4 | 4,283.86 | 3/4 | 3,940.07 | 3/4 | 3,596.28 | 3/4 | 3,252.49 | 3/4 | 2,908.68 |
| 7 | | 7 | | 7 | | 7 | 4,960.80 | 7 | 4,619.09 | 7 | 4,276.70 | 7 | 3,932.91 | 7 | 3,589.12 | 7 | 3,245.33 | 7 | 2,901.51 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,953.73 | 1/4 | 4,611.96 | 1/4 | 4,269.54 | 1/4 | 3,925.75 | 1/4 | 3,581.96 | 1/4 | 3,238.17 | 1/4 | 2,894.35 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,946.64 | 1/2 | 4,604.83 | 1/2 | 4,262.38 | 1/2 | 3,918.58 | 1/2 | 3,574.79 | 1/2 | 3,231.00 | 1/2 | 2,887.19 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,939.56 | 3/4 | 4,597.70 | 3/4 | 4,255.21 | 3/4 | 3,911.42 | 3/4 | 3,567.63 | 3/4 | 3,223.84 | 3/4 | 2,880.02 |
| 8 | | 8 | | 8 | | 8 | 4,932.48 | 8 | 4,590.57 | 8 | 4,248.05 | 8 | 3,904.26 | 8 | 3,560.47 | 8 | 3,216.68 | 8 | 2,872.86 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,925.39 | 1/4 | 4,583.44 | 1/4 | 4,240.89 | 1/4 | 3,897.10 | 1/4 | 3,553.31 | 1/4 | 3,209.52 | 1/4 | 2,865.69 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,918.31 | 1/2 | 4,576.31 | 1/2 | 4,233.73 | 1/2 | 3,889.94 | 1/2 | 3,546.15 | 1/2 | 3,202.35 | 1/2 | 2,858.53 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,911.22 | 3/4 | 4,569.18 | 3/4 | 4,226.56 | 3/4 | 3,882.77 | 3/4 | 3,538.98 | 3/4 | 3,195.19 | 3/4 | 2,851.36 |
| 9 | | 9 | | 9 | | 9 | 4,904.14 | 9 | 4,562.05 | 9 | 4,219.40 | 9 | 3,875.61 | 9 | 3,531.82 | 9 | 3,188.03 | 9 | 2,844.20 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,897.06 | 1/4 | 4,554.92 | 1/4 | 4,212.24 | 1/4 | 3,868.45 | 1/4 | 3,524.66 | 1/4 | 3,180.87 | 1/4 | 2,837.03 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,889.95 | 1/2 | 4,547.80 | 1/2 | 4,205.08 | 1/2 | 3,861.29 | 1/2 | 3,517.50 | 1/2 | 3,173.71 | 1/2 | 2,829.87 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,882.84 | 3/4 | 4,540.67 | 3/4 | 4,197.91 | 3/4 | 3,854.12 | 3/4 | 3,510.33 | 3/4 | 3,166.54 | 3/4 | 2,822.71 |
| 10 | | 10 | | 10 | | 10 | 4,875.74 | 10 | 4,533.54 | 10 | 4,190.75 | 10 | 3,846.96 | 10 | 3,503.17 | 10 | 3,159.38 | 10 | 2,815.54 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,868.63 | 1/4 | 4,526.41 | 1/4 | 4,183.59 | 1/4 | 3,839.80 | 1/4 | 3,496.01 | 1/4 | 3,152.22 | 1/4 | 2,808.38 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,861.50 | 1/2 | 4,519.28 | 1/2 | 4,176.43 | 1/2 | 3,832.64 | 1/2 | 3,488.85 | 1/2 | 3,145.06 | 1/2 | 2,801.21 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,854.37 | 3/4 | 4,512.15 | 3/4 | 4,169.27 | 3/4 | 3,825.47 | 3/4 | 3,481.68 | 3/4 | 3,137.89 | 3/4 | 2,794.05 |
| 11 | | 11 | | 11 | | 11 | 4,847.24 | 11 | 4,505.02 | 11 | 4,162.10 | 11 | 3,818.31 | 11 | 3,474.52 | 11 | 3,130.73 | 11 | 2,786.88 |
| 1/4 | | 1/4 | | 1/4 | 5,101.15 | 1/4 | 4,840.11 | 1/4 | 4,497.89 | 1/4 | 4,154.94 | 1/4 | 3,811.15 | 1/4 | 3,467.36 | 1/4 | 3,123.57 | 1/4 | 2,779.72 |
| 1/2 | | 1/2 | | 1/2 | 5,100.22 | 1/2 | 4,832.98 | 1/2 | 4,490.76 | 1/2 | 4,147.78 | 1/2 | 3,803.99 | 1/2 | 3,460.20 | 1/2 | 3,116.41 | 1/2 | 2,772.55 |
| 3/4 | | 3/4 | | 3/4 | 5,099.29 | 3/4 | 4,825.85 | 3/4 | 4,483.63 | 3/4 | 4,140.62 | 3/4 | 3,796.83 | 3/4 | 3,453.04 | 3/4 | 3,109.24 | 3/4 | 2,765.39 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.**
**GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 2 PORT

### ULLAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,758.23 | 0 | 2,414.33 | 0 | 2,070.44 | 0 | 1,726.55 | 0 | 1,382.66 | 0 | 1,042.64 | 0 | 709.41 | 0 | 365.54 | 0 | 29.02 | 0 | |
| 1/4 | 2,751.06 | 1/4 | 2,407.17 | 1/4 | 2,063.28 | 1/4 | 1,719.39 | 1/4 | 1,375.50 | 1/4 | 1,035.79 | 1/4 | 702.25 | 1/4 | 358.37 | 1/4 | 23.65 | 1/4 | |
| 1/2 | 2,743.90 | 1/2 | 2,400.01 | 1/2 | 2,056.11 | 1/2 | 1,712.22 | 1/2 | 1,368.33 | 1/2 | 1,028.93 | 1/2 | 695.08 | 1/2 | 351.21 | 1/2 | 20.07 | 1/2 | |
| 3/4 | 2,736.73 | 3/4 | 2,392.84 | 3/4 | 2,048.95 | 3/4 | 1,705.06 | 3/4 | 1,361.17 | 3/4 | 1,022.07 | 3/4 | 687.92 | 3/4 | 344.04 | 3/4 | 16.49 | 3/4 | |
| 1 | 2,729.57 | 1 | 2,385.68 | 1 | 2,041.79 | 1 | 1,697.89 | 1 | 1,354.00 | 1 | 1,015.22 | 1 | 680.76 | 1 | 336.88 | 1 | 12.90 | 1 | |
| 1/4 | 2,722.40 | 1/4 | 2,378.51 | 1/4 | 2,034.62 | 1/4 | 1,690.73 | 1/4 | 1,346.84 | 1/4 | 1,008.36 | 1/4 | 673.59 | 1/4 | 329.72 | 1/4 | 9.32 | 1/4 | |
| 1/2 | 2,715.24 | 1/2 | 2,371.35 | 1/2 | 2,027.46 | 1/2 | 1,683.57 | 1/2 | 1,339.67 | 1/2 | 1,001.51 | 1/2 | 666.43 | 1/2 | 322.55 | 1/2 | 7.53 | 1/2 | |
| 3/4 | 2,708.08 | 3/4 | 2,364.18 | 3/4 | 2,020.29 | 3/4 | 1,676.40 | 3/4 | 1,332.51 | 3/4 | 994.65 | 3/4 | 659.26 | 3/4 | 315.39 | 3/4 | 5.74 | 3/4 | |
| 2 | 2,700.91 | 2 | 2,357.02 | 2 | 2,013.13 | 2 | 1,669.24 | 2 | 1,325.35 | 2 | 987.79 | 2 | 652.10 | 2 | 308.22 | 2 | 3.95 | 2 | |
| 1/4 | 2,693.75 | 1/4 | 2,349.86 | 1/4 | 2,005.96 | 1/4 | 1,662.07 | 1/4 | 1,318.18 | 1/4 | 980.94 | 1/4 | 644.94 | 1/4 | 301.06 | 1/4 | 2.16 | 1/4 | |
| 1/2 | 2,686.58 | 1/2 | 2,342.69 | 1/2 | 1,998.80 | 1/2 | 1,654.91 | 1/2 | 1,311.02 | 1/2 | 974.08 | 1/2 | 637.77 | 1/2 | 293.90 | 1/2 | | 1/2 | |
| 3/4 | 2,679.42 | 3/4 | 2,335.53 | 3/4 | 1,991.64 | 3/4 | 1,647.74 | 3/4 | 1,303.85 | 3/4 | 967.22 | 3/4 | 630.61 | 3/4 | 286.73 | 3/4 | | 3/4 | |
| 3 | 2,672.25 | 3 | 2,328.36 | 3 | 1,984.47 | 3 | 1,640.58 | 3 | 1,296.69 | 3 | 960.37 | 3 | 623.44 | 3 | 279.57 | 3 | | 3 | |
| 1/4 | 2,665.09 | 1/4 | 2,321.20 | 1/4 | 1,977.31 | 1/4 | 1,633.42 | 1/4 | 1,289.52 | 1/4 | 953.51 | 1/4 | 616.28 | 1/4 | 272.40 | 1/4 | | 1/4 | |
| 1/2 | 2,657.92 | 1/2 | 2,314.03 | 1/2 | 1,970.14 | 1/2 | 1,626.25 | 1/2 | 1,282.36 | 1/2 | 946.66 | 1/2 | 609.12 | 1/2 | 265.24 | 1/2 | | 1/2 | |
| 3/4 | 2,650.76 | 3/4 | 2,306.87 | 3/4 | 1,962.98 | 3/4 | 1,619.09 | 3/4 | 1,275.20 | 3/4 | 939.80 | 3/4 | 601.95 | 3/4 | 258.07 | 3/4 | | 3/4 | |
| 4 | 2,643.60 | 4 | 2,299.70 | 4 | 1,955.81 | 4 | 1,611.92 | 4 | 1,268.03 | 4 | 932.94 | 4 | 594.79 | 4 | 250.91 | 4 | | 4 | |
| 1/4 | 2,636.43 | 1/4 | 2,292.54 | 1/4 | 1,948.65 | 1/4 | 1,604.76 | 1/4 | 1,260.87 | 1/4 | 926.09 | 1/4 | 587.62 | 1/4 | 243.75 | 1/4 | | 1/4 | |
| 1/2 | 2,629.27 | 1/2 | 2,285.38 | 1/2 | 1,941.48 | 1/2 | 1,597.59 | 1/2 | 1,253.70 | 1/2 | 919.23 | 1/2 | 580.46 | 1/2 | 236.58 | 1/2 | | 1/2 | |
| 3/4 | 2,622.10 | 3/4 | 2,278.21 | 3/4 | 1,934.32 | 3/4 | 1,590.43 | 3/4 | 1,246.54 | 3/4 | 912.38 | 3/4 | 573.29 | 3/4 | 229.42 | 3/4 | | 3/4 | |
| 5 | 2,614.94 | 5 | 2,271.05 | 5 | 1,927.16 | 5 | 1,583.26 | 5 | 1,239.37 | 5 | 905.52 | 5 | 566.13 | 5 | 222.25 | 5 | | 5 | |
| 1/4 | 2,607.77 | 1/4 | 2,263.88 | 1/4 | 1,919.99 | 1/4 | 1,576.10 | 1/4 | 1,232.21 | 1/4 | 898.66 | 1/4 | 558.97 | 1/4 | 215.09 | 1/4 | | 1/4 | |
| 1/2 | 2,600.61 | 1/2 | 2,256.72 | 1/2 | 1,912.83 | 1/2 | 1,568.94 | 1/2 | 1,225.04 | 1/2 | 891.81 | 1/2 | 551.80 | 1/2 | 207.93 | 1/2 | | 1/2 | |
| 3/4 | 2,593.44 | 3/4 | 2,249.55 | 3/4 | 1,905.66 | 3/4 | 1,561.77 | 3/4 | 1,217.88 | 3/4 | 884.95 | 3/4 | 544.64 | 3/4 | 200.76 | 3/4 | | 3/4 | |
| 6 | 2,586.28 | 6 | 2,242.39 | 6 | 1,898.50 | 6 | 1,554.61 | 6 | 1,210.72 | 6 | 878.10 | 6 | 537.47 | 6 | 193.60 | 6 | | 6 | |
| 1/4 | 2,579.12 | 1/4 | 2,235.22 | 1/4 | 1,891.33 | 1/4 | 1,547.44 | 1/4 | 1,203.55 | 1/4 | 871.24 | 1/4 | 530.31 | 1/4 | 186.43 | 1/4 | | 1/4 | |
| 1/2 | 2,571.95 | 1/2 | 2,228.06 | 1/2 | 1,884.17 | 1/2 | 1,540.28 | 1/2 | 1,196.39 | 1/2 | 864.38 | 1/2 | 523.15 | 1/2 | 179.27 | 1/2 | | 1/2 | |
| 3/4 | 2,564.79 | 3/4 | 2,220.90 | 3/4 | 1,877.00 | 3/4 | 1,533.11 | 3/4 | 1,189.22 | 3/4 | 857.52 | 3/4 | 515.98 | 3/4 | 172.11 | 3/4 | | 3/4 | |
| 7 | 2,557.62 | 7 | 2,213.73 | 7 | 1,869.84 | 7 | 1,525.95 | 7 | 1,182.06 | 7 | 850.66 | 7 | 508.82 | 7 | 164.94 | 7 | | 7 | |
| 1/4 | 2,550.46 | 1/4 | 2,206.57 | 1/4 | 1,862.68 | 1/4 | 1,518.78 | 1/4 | 1,174.89 | 1/4 | 843.80 | 1/4 | 501.65 | 1/4 | 157.78 | 1/4 | | 1/4 | |
| 1/2 | 2,543.29 | 1/2 | 2,199.40 | 1/2 | 1,855.51 | 1/2 | 1,511.62 | 1/2 | 1,167.73 | 1/2 | 836.93 | 1/2 | 494.49 | 1/2 | 150.61 | 1/2 | | 1/2 | |
| 3/4 | 2,536.13 | 3/4 | 2,192.24 | 3/4 | 1,848.35 | 3/4 | 1,504.46 | 3/4 | 1,160.56 | 3/4 | 830.05 | 3/4 | 487.33 | 3/4 | 143.45 | 3/4 | | 3/4 | |
| 8 | 2,528.97 | 8 | 2,185.07 | 8 | 1,841.18 | 8 | 1,497.29 | 8 | 1,153.40 | 8 | 823.18 | 8 | 480.16 | 8 | 136.29 | 8 | | 8 | |
| 1/4 | 2,521.80 | 1/4 | 2,177.91 | 1/4 | 1,834.02 | 1/4 | 1,490.13 | 1/4 | 1,146.24 | 1/4 | 816.31 | 1/4 | 473.00 | 1/4 | 129.12 | 1/4 | | 1/4 | |
| 1/2 | 2,514.64 | 1/2 | 2,170.75 | 1/2 | 1,826.85 | 1/2 | 1,482.96 | 1/2 | 1,139.21 | 1/2 | 809.29 | 1/2 | 465.83 | 1/2 | 121.97 | 1/2 | | 1/2 | |
| 3/4 | 2,507.47 | 3/4 | 2,163.58 | 3/4 | 1,819.69 | 3/4 | 1,475.80 | 3/4 | 1,132.19 | 3/4 | 802.26 | 3/4 | 458.67 | 3/4 | 114.81 | 3/4 | | 3/4 | |
| 9 | 2,500.31 | 9 | 2,156.42 | 9 | 1,812.53 | 9 | 1,468.63 | 9 | 1,125.17 | 9 | 795.24 | 9 | 451.51 | 9 | 107.65 | 9 | | 9 | |
| 1/4 | 2,493.14 | 1/4 | 2,149.25 | 1/4 | 1,805.36 | 1/4 | 1,461.47 | 1/4 | 1,118.14 | 1/4 | 788.22 | 1/4 | 444.34 | 1/4 | 100.49 | 1/4 | | 1/4 | |
| 1/2 | 2,485.98 | 1/2 | 2,142.09 | 1/2 | 1,798.20 | 1/2 | 1,454.31 | 1/2 | 1,111.27 | 1/2 | 781.05 | 1/2 | 437.18 | 1/2 | 93.35 | 1/2 | | 1/2 | |
| 3/4 | 2,478.81 | 3/4 | 2,134.92 | 3/4 | 1,791.03 | 3/4 | 1,447.14 | 3/4 | 1,104.40 | 3/4 | 773.89 | 3/4 | 430.01 | 3/4 | 86.21 | 3/4 | | 3/4 | |
| 10 | 2,471.65 | 10 | 2,127.76 | 10 | 1,783.87 | 10 | 1,439.98 | 10 | 1,097.53 | 10 | 766.73 | 10 | 422.85 | 10 | 79.07 | 10 | | 10 | |
| 1/4 | 2,464.49 | 1/4 | 2,120.59 | 1/4 | 1,776.70 | 1/4 | 1,432.81 | 1/4 | 1,090.65 | 1/4 | 759.56 | 1/4 | 415.68 | 1/4 | 71.93 | 1/4 | | 1/4 | |
| 1/2 | 2,457.32 | 1/2 | 2,113.43 | 1/2 | 1,769.54 | 1/2 | 1,425.65 | 1/2 | 1,083.79 | 1/2 | 752.40 | 1/2 | 408.52 | 1/2 | 65.23 | 1/2 | | 1/2 | |
| 3/4 | 2,450.16 | 3/4 | 2,106.27 | 3/4 | 1,762.37 | 3/4 | 1,418.48 | 3/4 | 1,076.93 | 3/4 | 745.23 | 3/4 | 401.36 | 3/4 | 58.53 | 3/4 | | 3/4 | |
| 11 | 2,442.99 | 11 | 2,099.10 | 11 | 1,755.21 | 11 | 1,411.32 | 11 | 1,070.07 | 11 | 738.07 | 11 | 394.19 | 11 | 51.84 | 11 | | 11 | |
| 1/4 | 2,435.83 | 1/4 | 2,091.94 | 1/4 | 1,748.05 | 1/4 | 1,404.15 | 1/4 | 1,063.21 | 1/4 | 730.91 | 1/4 | 387.03 | 1/4 | 45.14 | 1/4 | | 1/4 | |
| 1/2 | 2,428.66 | 1/2 | 2,084.77 | 1/2 | 1,740.88 | 1/2 | 1,396.99 | 1/2 | 1,056.36 | 1/2 | 723.74 | 1/2 | 379.86 | 1/2 | 39.77 | 1/2 | | 1/2 | |
| 3/4 | 2,421.50 | 3/4 | 2,077.61 | 3/4 | 1,733.72 | 3/4 | 1,389.83 | 3/4 | 1,049.50 | 3/4 | 716.58 | 3/4 | 372.70 | 3/4 | 34.39 | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 2 STBD

### ULLAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/2"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | 0 | | 0 | | 0 | 5,117.25 | 0 | 4,843.52 | 0 | 4,500.97 | 0 | 4,157.64 | 0 | 3,813.51 | 0 | 3,469.45 | 0 | 3,125.42 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,116.31 | 1/4 | 4,836.39 | 1/4 | 4,493.84 | 1/4 | 4,150.47 | 1/4 | 3,806.34 | 1/4 | 3,462.29 | 1/4 | 3,118.26 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,115.38 | 1/2 | 4,829.25 | 1/2 | 4,486.70 | 1/2 | 4,143.30 | 1/2 | 3,799.17 | 1/2 | 3,455.12 | 1/2 | 3,111.09 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,113.37 | 3/4 | 4,822.11 | 3/4 | 4,479.56 | 3/4 | 4,136.13 | 3/4 | 3,792.00 | 3/4 | 3,447.95 | 3/4 | 3,103.92 |
| 1 | | 1 | | 1 | | 1 | 5,111.36 | 1 | 4,814.98 | 1 | 4,472.43 | 1 | 4,128.96 | 1 | 3,784.83 | 1 | 3,440.78 | 1 | 3,096.75 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,109.34 | 1/4 | 4,807.84 | 1/4 | 4,465.29 | 1/4 | 4,121.79 | 1/4 | 3,777.66 | 1/4 | 3,433.62 | 1/4 | 3,089.59 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,107.33 | 1/2 | 4,800.70 | 1/2 | 4,458.15 | 1/2 | 4,114.62 | 1/2 | 3,770.49 | 1/2 | 3,426.45 | 1/2 | 3,082.42 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,104.12 | 3/4 | 4,793.57 | 3/4 | 4,451.02 | 3/4 | 4,107.45 | 3/4 | 3,763.33 | 3/4 | 3,419.28 | 3/4 | 3,075.25 |
| 2 | | 2 | | 2 | | 2 | 5,100.91 | 2 | 4,786.43 | 2 | 4,443.88 | 2 | 4,100.28 | 2 | 3,756.16 | 2 | 3,412.11 | 2 | 3,068.09 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,097.70 | 1/4 | 4,779.30 | 1/4 | 4,436.74 | 1/4 | 4,093.11 | 1/4 | 3,748.99 | 1/4 | 3,404.95 | 1/4 | 3,060.92 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,094.50 | 1/2 | 4,772.16 | 1/2 | 4,429.61 | 1/2 | 4,085.94 | 1/2 | 3,741.82 | 1/2 | 3,397.78 | 1/2 | 3,053.76 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,090.09 | 3/4 | 4,765.02 | 3/4 | 4,422.47 | 3/4 | 4,078.77 | 3/4 | 3,734.65 | 3/4 | 3,390.61 | 3/4 | 3,046.59 |
| 3 | | 3 | | 3 | | 3 | 5,085.69 | 3 | 4,757.89 | 3 | 4,415.33 | 3 | 4,071.61 | 3 | 3,727.48 | 3 | 3,383.45 | 3 | 3,039.42 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,081.29 | 1/4 | 4,750.75 | 1/4 | 4,408.20 | 1/4 | 4,064.44 | 1/4 | 3,720.31 | 1/4 | 3,376.28 | 1/4 | 3,032.25 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,076.88 | 1/2 | 4,743.61 | 1/2 | 4,401.06 | 1/2 | 4,057.27 | 1/2 | 3,713.14 | 1/2 | 3,369.11 | 1/2 | 3,025.08 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,071.29 | 3/4 | 4,736.48 | 3/4 | 4,393.92 | 3/4 | 4,050.10 | 3/4 | 3,705.97 | 3/4 | 3,361.94 | 3/4 | 3,017.91 |
| 4 | | 4 | | 4 | | 4 | 5,065.69 | 4 | 4,729.34 | 4 | 4,386.79 | 4 | 4,042.93 | 4 | 3,698.81 | 4 | 3,354.78 | 4 | 3,010.74 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,060.09 | 1/4 | 4,722.20 | 1/4 | 4,379.65 | 1/4 | 4,035.76 | 1/4 | 3,691.64 | 1/4 | 3,347.61 | 1/4 | 3,003.57 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,054.49 | 1/2 | 4,715.07 | 1/2 | 4,372.51 | 1/2 | 4,028.59 | 1/2 | 3,684.47 | 1/2 | 3,340.44 | 1/2 | 2,996.40 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,047.88 | 3/4 | 4,707.93 | 3/4 | 4,365.38 | 3/4 | 4,021.42 | 3/4 | 3,677.30 | 3/4 | 3,333.27 | 3/4 | 2,989.24 |
| 5 | | 5 | | 5 | | 5 | 5,041.28 | 5 | 4,700.79 | 5 | 4,358.24 | 5 | 4,014.25 | 5 | 3,670.14 | 5 | 3,326.11 | 5 | 2,982.07 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,034.67 | 1/4 | 4,693.66 | 1/4 | 4,351.11 | 1/4 | 4,007.08 | 1/4 | 3,662.97 | 1/4 | 3,318.94 | 1/4 | 2,974.90 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,028.06 | 1/2 | 4,686.52 | 1/2 | 4,343.97 | 1/2 | 3,999.91 | 1/2 | 3,655.80 | 1/2 | 3,311.77 | 1/2 | 2,967.73 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,021.01 | 3/4 | 4,679.38 | 3/4 | 4,336.82 | 3/4 | 3,992.74 | 3/4 | 3,648.64 | 3/4 | 3,304.61 | 3/4 | 2,960.56 |
| 6 | | 6 | | 6 | | 6 | 5,013.96 | 6 | 4,672.25 | 6 | 4,329.67 | 6 | 3,985.57 | 6 | 3,641.47 | 6 | 3,297.44 | 6 | 2,953.39 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,006.91 | 1/4 | 4,665.11 | 1/4 | 4,322.51 | 1/4 | 3,978.40 | 1/4 | 3,634.30 | 1/4 | 3,290.27 | 1/4 | 2,946.22 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,999.86 | 1/2 | 4,657.97 | 1/2 | 4,315.36 | 1/2 | 3,971.24 | 1/2 | 3,627.13 | 1/2 | 3,283.10 | 1/2 | 2,939.05 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,992.78 | 3/4 | 4,650.84 | 3/4 | 4,308.19 | 3/4 | 3,964.07 | 3/4 | 3,619.97 | 3/4 | 3,275.94 | 3/4 | 2,931.88 |
| 7 | | 7 | | 7 | | 7 | 4,985.69 | 7 | 4,643.70 | 7 | 4,301.02 | 7 | 3,956.90 | 7 | 3,612.80 | 7 | 3,268.77 | 7 | 2,924.71 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,978.61 | 1/4 | 4,636.57 | 1/4 | 4,293.85 | 1/4 | 3,949.73 | 1/4 | 3,605.63 | 1/4 | 3,261.60 | 1/4 | 2,917.54 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,971.53 | 1/2 | 4,629.43 | 1/2 | 4,286.68 | 1/2 | 3,942.56 | 1/2 | 3,598.46 | 1/2 | 3,254.43 | 1/2 | 2,910.37 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,964.44 | 3/4 | 4,622.29 | 3/4 | 4,279.52 | 3/4 | 3,935.39 | 3/4 | 3,591.30 | 3/4 | 3,247.27 | 3/4 | 2,903.20 |
| 8 | | 8 | | 8 | | 8 | 4,957.34 | 8 | 4,615.16 | 8 | 4,272.35 | 8 | 3,928.22 | 8 | 3,584.13 | 8 | 3,240.10 | 8 | 2,896.03 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,950.25 | 1/4 | 4,608.02 | 1/4 | 4,265.18 | 1/4 | 3,921.05 | 1/4 | 3,576.96 | 1/4 | 3,232.93 | 1/4 | 2,888.87 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,943.16 | 1/2 | 4,600.88 | 1/2 | 4,258.01 | 1/2 | 3,913.88 | 1/2 | 3,569.80 | 1/2 | 3,225.76 | 1/2 | 2,881.70 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,936.07 | 3/4 | 4,593.75 | 3/4 | 4,250.84 | 3/4 | 3,906.71 | 3/4 | 3,562.63 | 3/4 | 3,218.60 | 3/4 | 2,874.53 |
| 9 | | 9 | | 9 | | 9 | 4,928.98 | 9 | 4,586.61 | 9 | 4,243.67 | 9 | 3,899.54 | 9 | 3,555.46 | 9 | 3,211.43 | 9 | 2,867.36 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,921.89 | 1/4 | 4,579.47 | 1/4 | 4,236.50 | 1/4 | 3,892.37 | 1/4 | 3,548.29 | 1/4 | 3,204.26 | 1/4 | 2,860.19 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,914.80 | 1/2 | 4,572.34 | 1/2 | 4,229.33 | 1/2 | 3,885.20 | 1/2 | 3,541.13 | 1/2 | 3,197.10 | 1/2 | 2,853.02 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,907.68 | 3/4 | 4,565.20 | 3/4 | 4,222.16 | 3/4 | 3,878.03 | 3/4 | 3,533.96 | 3/4 | 3,189.93 | 3/4 | 2,845.85 |
| 10 | | 10 | | 10 | | 10 | 4,900.57 | 10 | 4,558.06 | 10 | 4,214.99 | 10 | 3,870.87 | 10 | 3,526.79 | 10 | 3,182.76 | 10 | 2,838.68 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,893.46 | 1/4 | 4,550.93 | 1/4 | 4,207.82 | 1/4 | 3,863.70 | 1/4 | 3,519.62 | 1/4 | 3,175.59 | 1/4 | 2,831.51 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,886.34 | 1/2 | 4,543.79 | 1/2 | 4,200.65 | 1/2 | 3,856.53 | 1/2 | 3,512.46 | 1/2 | 3,168.43 | 1/2 | 2,824.34 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,879.21 | 3/4 | 4,536.65 | 3/4 | 4,193.48 | 3/4 | 3,849.36 | 3/4 | 3,505.29 | 3/4 | 3,161.26 | 3/4 | 2,817.17 |
| 11 | | 11 | | 11 | | 11 | 4,872.07 | 11 | 4,529.52 | 11 | 4,186.31 | 11 | 3,842.19 | 11 | 3,498.12 | 11 | 3,154.09 | 11 | 2,810.00 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,864.93 | 1/4 | 4,522.38 | 1/4 | 4,179.14 | 1/4 | 3,835.02 | 1/4 | 3,490.95 | 1/4 | 3,146.92 | 1/4 | 2,802.83 |
| 1/2 | | 1/2 | | 1/2 | 5,119.11 | 1/2 | 4,857.80 | 1/2 | 4,515.24 | 1/2 | 4,171.98 | 1/2 | 3,827.85 | 1/2 | 3,483.79 | 1/2 | 3,139.76 | 1/2 | 2,795.66 |
| 3/4 | | 3/4 | | 3/4 | 5,118.18 | 3/4 | 4,850.66 | 3/4 | 4,508.11 | 3/4 | 4,164.81 | 3/4 | 3,820.68 | 3/4 | 3,476.62 | 3/4 | 3,132.59 | 3/4 | 2,788.50 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.**
**GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 2 STBD

### ULLAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,781.33 | 0 | 2,437.20 | 0 | 2,093.07 | 0 | 1,748.95 | 0 | 1,404.82 | 0 | 1,060.77 | 0 | 717.07 | 0 | 372.96 | 0 | 34.42 | 0 | |
| 1/4 | 2,774.16 | 1/4 | 2,430.03 | 1/4 | 2,085.90 | 1/4 | 1,741.78 | 1/4 | 1,397.65 | 1/4 | 1,053.62 | 1/4 | 709.90 | 1/4 | 365.79 | 1/4 | 29.05 | 1/4 | |
| 1/2 | 2,766.99 | 1/2 | 2,422.86 | 1/2 | 2,078.73 | 1/2 | 1,734.61 | 1/2 | 1,390.48 | 1/2 | 1,046.46 | 1/2 | 702.73 | 1/2 | 358.62 | 1/2 | 23.67 | 1/2 | |
| 3/4 | 2,759.82 | 3/4 | 2,415.69 | 3/4 | 2,071.57 | 3/4 | 1,727.44 | 3/4 | 1,383.31 | 3/4 | 1,039.31 | 3/4 | 695.57 | 3/4 | 351.45 | 3/4 | 20.09 | 3/4 | |
| 1 | 2,752.65 | 1 | 2,408.52 | 1 | 2,064.40 | 1 | 1,720.27 | 1 | 1,376.14 | 1 | 1,032.15 | 1 | 688.40 | 1 | 344.28 | 1 | 16.50 | 1 | |
| 1/4 | 2,745.48 | 1/4 | 2,401.35 | 1/4 | 2,057.23 | 1/4 | 1,713.10 | 1/4 | 1,368.97 | 1/4 | 1,025.00 | 1/4 | 681.23 | 1/4 | 337.12 | 1/4 | 12.92 | 1/4 | |
| 1/2 | 2,738.31 | 1/2 | 2,394.18 | 1/2 | 2,050.06 | 1/2 | 1,705.93 | 1/2 | 1,361.80 | 1/2 | 1,017.84 | 1/2 | 674.06 | 1/2 | 329.95 | 1/2 | 9.33 | 1/2 | |
| 3/4 | 2,731.14 | 3/4 | 2,387.01 | 3/4 | 2,042.89 | 3/4 | 1,698.76 | 3/4 | 1,354.64 | 3/4 | 1,010.69 | 3/4 | 666.89 | 3/4 | 322.78 | 3/4 | 7.54 | 3/4 | |
| 2 | 2,723.97 | 2 | 2,379.85 | 2 | 2,035.72 | 2 | 1,691.59 | 2 | 1,347.47 | 2 | 1,003.53 | 2 | 659.72 | 2 | 315.61 | 2 | 5.75 | 2 | |
| 1/4 | 2,716.80 | 1/4 | 2,372.68 | 1/4 | 2,028.55 | 1/4 | 1,684.42 | 1/4 | 1,340.30 | 1/4 | 996.38 | 1/4 | 652.55 | 1/4 | 308.44 | 1/4 | 3.96 | 1/4 | |
| 1/2 | 2,709.63 | 1/2 | 2,365.51 | 1/2 | 2,021.38 | 1/2 | 1,677.25 | 1/2 | 1,333.13 | 1/2 | 989.22 | 1/2 | 645.38 | 1/2 | 301.27 | 1/2 | 2.16 | 1/2 | |
| 3/4 | 2,702.46 | 3/4 | 2,358.34 | 3/4 | 2,014.21 | 3/4 | 1,670.08 | 3/4 | 1,325.96 | 3/4 | 982.07 | 3/4 | 638.21 | 3/4 | 294.10 | 3/4 | | 3/4 | |
| 3 | 2,695.29 | 3 | 2,351.17 | 3 | 2,007.04 | 3 | 1,662.92 | 3 | 1,318.79 | 3 | 974.91 | 3 | 631.04 | 3 | 286.93 | 3 | | 3 | |
| 1/4 | 2,688.12 | 1/4 | 2,344.00 | 1/4 | 1,999.87 | 1/4 | 1,655.75 | 1/4 | 1,311.62 | 1/4 | 967.76 | 1/4 | 623.88 | 1/4 | 279.76 | 1/4 | | 1/4 | |
| 1/2 | 2,680.96 | 1/2 | 2,336.83 | 1/2 | 1,992.70 | 1/2 | 1,648.58 | 1/2 | 1,304.45 | 1/2 | 960.60 | 1/2 | 616.71 | 1/2 | 272.59 | 1/2 | | 1/2 | |
| 3/4 | 2,673.79 | 3/4 | 2,329.66 | 3/4 | 1,985.53 | 3/4 | 1,641.41 | 3/4 | 1,297.28 | 3/4 | 953.45 | 3/4 | 609.54 | 3/4 | 265.43 | 3/4 | | 3/4 | |
| 4 | 2,666.62 | 4 | 2,322.49 | 4 | 1,978.36 | 4 | 1,634.24 | 4 | 1,290.11 | 4 | 946.29 | 4 | 602.37 | 4 | 258.26 | 4 | | 4 | |
| 1/4 | 2,659.45 | 1/4 | 2,315.32 | 1/4 | 1,971.19 | 1/4 | 1,627.07 | 1/4 | 1,282.94 | 1/4 | 939.14 | 1/4 | 595.20 | 1/4 | 251.09 | 1/4 | | 1/4 | |
| 1/2 | 2,652.28 | 1/2 | 2,308.15 | 1/2 | 1,964.03 | 1/2 | 1,619.90 | 1/2 | 1,275.77 | 1/2 | 931.98 | 1/2 | 588.03 | 1/2 | 243.92 | 1/2 | | 1/2 | |
| 3/4 | 2,645.11 | 3/4 | 2,300.98 | 3/4 | 1,956.86 | 3/4 | 1,612.73 | 3/4 | 1,268.60 | 3/4 | 924.83 | 3/4 | 580.86 | 3/4 | 236.75 | 3/4 | | 3/4 | |
| 5 | 2,637.94 | 5 | 2,293.81 | 5 | 1,949.69 | 5 | 1,605.56 | 5 | 1,261.43 | 5 | 917.67 | 5 | 573.69 | 5 | 229.58 | 5 | | 5 | |
| 1/4 | 2,630.77 | 1/4 | 2,286.64 | 1/4 | 1,942.52 | 1/4 | 1,598.39 | 1/4 | 1,254.26 | 1/4 | 910.52 | 1/4 | 566.52 | 1/4 | 222.41 | 1/4 | | 1/4 | |
| 1/2 | 2,623.60 | 1/2 | 2,279.47 | 1/2 | 1,935.35 | 1/2 | 1,591.22 | 1/2 | 1,247.10 | 1/2 | 903.36 | 1/2 | 559.35 | 1/2 | 215.24 | 1/2 | | 1/2 | |
| 3/4 | 2,616.43 | 3/4 | 2,272.31 | 3/4 | 1,928.18 | 3/4 | 1,584.05 | 3/4 | 1,239.93 | 3/4 | 896.21 | 3/4 | 552.19 | 3/4 | 208.07 | 3/4 | | 3/4 | |
| 6 | 2,609.26 | 6 | 2,265.14 | 6 | 1,921.01 | 6 | 1,576.88 | 6 | 1,232.76 | 6 | 889.05 | 6 | 545.02 | 6 | 200.90 | 6 | | 6 | |
| 1/4 | 2,602.09 | 1/4 | 2,257.97 | 1/4 | 1,913.84 | 1/4 | 1,569.71 | 1/4 | 1,225.59 | 1/4 | 881.90 | 1/4 | 537.85 | 1/4 | 193.74 | 1/4 | | 1/4 | |
| 1/2 | 2,594.92 | 1/2 | 2,250.80 | 1/2 | 1,906.67 | 1/2 | 1,562.54 | 1/2 | 1,218.42 | 1/2 | 874.74 | 1/2 | 530.68 | 1/2 | 186.57 | 1/2 | | 1/2 | |
| 3/4 | 2,587.75 | 3/4 | 2,243.63 | 3/4 | 1,899.50 | 3/4 | 1,555.38 | 3/4 | 1,211.25 | 3/4 | 867.58 | 3/4 | 523.51 | 3/4 | 179.40 | 3/4 | | 3/4 | |
| 7 | 2,580.59 | 7 | 2,236.46 | 7 | 1,892.33 | 7 | 1,548.21 | 7 | 1,204.08 | 7 | 860.42 | 7 | 516.34 | 7 | 172.23 | 7 | | 7 | |
| 1/4 | 2,573.42 | 1/4 | 2,229.29 | 1/4 | 1,885.16 | 1/4 | 1,541.04 | 1/4 | 1,196.91 | 1/4 | 853.26 | 1/4 | 509.17 | 1/4 | 165.06 | 1/4 | | 1/4 | |
| 1/2 | 2,566.25 | 1/2 | 2,222.12 | 1/2 | 1,877.99 | 1/2 | 1,533.87 | 1/2 | 1,189.74 | 1/2 | 846.11 | 1/2 | 502.00 | 1/2 | 157.89 | 1/2 | | 1/2 | |
| 3/4 | 2,559.08 | 3/4 | 2,214.95 | 3/4 | 1,870.82 | 3/4 | 1,526.70 | 3/4 | 1,182.57 | 3/4 | 838.94 | 3/4 | 494.83 | 3/4 | 150.72 | 3/4 | | 3/4 | |
| 8 | 2,551.91 | 8 | 2,207.78 | 8 | 1,863.66 | 8 | 1,519.53 | 8 | 1,175.40 | 8 | 831.77 | 8 | 487.66 | 8 | 143.55 | 8 | | 8 | |
| 1/4 | 2,544.74 | 1/4 | 2,200.61 | 1/4 | 1,856.49 | 1/4 | 1,512.36 | 1/4 | 1,168.23 | 1/4 | 824.61 | 1/4 | 480.50 | 1/4 | 136.39 | 1/4 | | 1/4 | |
| 1/2 | 2,537.57 | 1/2 | 2,193.44 | 1/2 | 1,849.32 | 1/2 | 1,505.19 | 1/2 | 1,161.06 | 1/2 | 817.44 | 1/2 | 473.33 | 1/2 | 129.22 | 1/2 | | 1/2 | |
| 3/4 | 2,530.40 | 3/4 | 2,186.27 | 3/4 | 1,842.15 | 3/4 | 1,498.02 | 3/4 | 1,153.89 | 3/4 | 810.27 | 3/4 | 466.16 | 3/4 | 122.05 | 3/4 | | 3/4 | |
| 9 | 2,523.23 | 9 | 2,179.10 | 9 | 1,834.98 | 9 | 1,490.85 | 9 | 1,146.73 | 9 | 803.10 | 9 | 458.99 | 9 | 114.89 | 9 | | 9 | |
| 1/4 | 2,516.06 | 1/4 | 2,171.94 | 1/4 | 1,827.81 | 1/4 | 1,483.68 | 1/4 | 1,139.56 | 1/4 | 795.93 | 1/4 | 451.82 | 1/4 | 107.73 | 1/4 | | 1/4 | |
| 1/2 | 2,508.89 | 1/2 | 2,164.77 | 1/2 | 1,820.64 | 1/2 | 1,476.51 | 1/2 | 1,132.39 | 1/2 | 788.76 | 1/2 | 444.65 | 1/2 | 100.56 | 1/2 | | 1/2 | |
| 3/4 | 2,501.72 | 3/4 | 2,157.60 | 3/4 | 1,813.47 | 3/4 | 1,469.34 | 3/4 | 1,125.22 | 3/4 | 781.59 | 3/4 | 437.48 | 3/4 | 93.42 | 3/4 | | 3/4 | |
| 10 | 2,494.55 | 10 | 2,150.43 | 10 | 1,806.30 | 10 | 1,462.17 | 10 | 1,118.05 | 10 | 774.42 | 10 | 430.31 | 10 | 86.27 | 10 | | 10 | |
| 1/4 | 2,487.38 | 1/4 | 2,143.26 | 1/4 | 1,799.13 | 1/4 | 1,455.01 | 1/4 | 1,110.89 | 1/4 | 767.26 | 1/4 | 423.14 | 1/4 | 79.13 | 1/4 | | 1/4 | |
| 1/2 | 2,480.22 | 1/2 | 2,136.09 | 1/2 | 1,791.96 | 1/2 | 1,447.84 | 1/2 | 1,103.72 | 1/2 | 760.09 | 1/2 | 415.97 | 1/2 | 71.98 | 1/2 | | 1/2 | |
| 3/4 | 2,473.05 | 3/4 | 2,128.92 | 3/4 | 1,784.79 | 3/4 | 1,440.67 | 3/4 | 1,096.56 | 3/4 | 752.92 | 3/4 | 408.81 | 3/4 | 65.28 | 3/4 | | 3/4 | |
| 11 | 2,465.88 | 11 | 2,121.75 | 11 | 1,777.62 | 11 | 1,433.50 | 11 | 1,089.40 | 11 | 745.75 | 11 | 401.64 | 11 | 58.58 | 11 | | 11 | |
| 1/4 | 2,458.71 | 1/4 | 2,114.58 | 1/4 | 1,770.45 | 1/4 | 1,426.33 | 1/4 | 1,082.24 | 1/4 | 738.58 | 1/4 | 394.47 | 1/4 | 51.88 | 1/4 | | 1/4 | |
| 1/2 | 2,451.54 | 1/2 | 2,107.41 | 1/2 | 1,763.29 | 1/2 | 1,419.16 | 1/2 | 1,075.08 | 1/2 | 731.41 | 1/2 | 387.30 | 1/2 | 45.17 | 1/2 | | 1/2 | |
| 3/4 | 2,444.37 | 3/4 | 2,100.24 | 3/4 | 1,756.12 | 3/4 | 1,411.99 | 3/4 | 1,067.93 | 3/4 | 724.24 | 3/4 | 380.13 | 3/4 | 39.80 | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 3 PORT

### ULLAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | 0 | | 0 | | 0 | 4,398.57 | 0 | 4,232.36 | 0 | 4,023.43 | 0 | 3,814.02 | 0 | 3,604.17 | 0 | 3,394.84 | 0 | 3,084.32 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,397.49 | 1/4 | 4,228.01 | 1/4 | 4,019.08 | 1/4 | 3,809.65 | 1/4 | 3,599.79 | 1/4 | 3,390.48 | 1/4 | 3,077.20 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,395.78 | 1/2 | 4,223.66 | 1/2 | 4,014.72 | 1/2 | 3,805.27 | 1/2 | 3,595.42 | 1/2 | 3,386.13 | 1/2 | 3,070.09 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,394.08 | 3/4 | 4,219.31 | 3/4 | 4,010.37 | 3/4 | 3,800.90 | 3/4 | 3,591.05 | 3/4 | 3,381.79 | 3/4 | 3,062.97 |
| 1 | | 1 | | 1 | | 1 | 4,392.37 | 1 | 4,214.95 | 1 | 4,006.02 | 1 | 3,796.53 | 1 | 3,586.68 | 1 | 3,377.44 | 1 | 3,055.86 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,390.66 | 1/4 | 4,210.60 | 1/4 | 4,001.67 | 1/4 | 3,792.16 | 1/4 | 3,582.31 | 1/4 | 3,373.09 | 1/4 | 3,048.74 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,388.95 | 1/2 | 4,206.25 | 1/2 | 3,997.31 | 1/2 | 3,787.79 | 1/2 | 3,577.94 | 1/2 | 3,368.75 | 1/2 | 3,041.62 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,387.24 | 3/4 | 4,201.89 | 3/4 | 3,992.96 | 3/4 | 3,783.41 | 3/4 | 3,573.56 | 3/4 | 3,364.42 | 3/4 | 3,034.49 |
| 2 | | 2 | | 2 | | 2 | 4,385.54 | 2 | 4,197.54 | 2 | 3,988.61 | 2 | 3,779.04 | 2 | 3,569.19 | 2 | 3,360.08 | 2 | 3,027.37 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,383.83 | 1/4 | 4,193.19 | 1/4 | 3,984.25 | 1/4 | 3,774.67 | 1/4 | 3,564.82 | 1/4 | 3,355.74 | 1/4 | 3,020.25 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,381.85 | 1/2 | 4,188.84 | 1/2 | 3,979.90 | 1/2 | 3,770.30 | 1/2 | 3,560.45 | 1/2 | 3,350.02 | 1/2 | 3,013.12 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,379.88 | 3/4 | 4,184.48 | 3/4 | 3,975.55 | 3/4 | 3,765.93 | 3/4 | 3,556.08 | 3/4 | 3,344.30 | 3/4 | 3,005.98 |
| 3 | | 3 | | 3 | | 3 | 4,377.90 | 3 | 4,180.13 | 3 | 3,971.20 | 3 | 3,761.56 | 3 | 3,551.70 | 3 | 3,338.58 | 3 | 2,998.85 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,375.92 | 1/4 | 4,175.78 | 1/4 | 3,966.84 | 1/4 | 3,757.18 | 1/4 | 3,547.33 | 1/4 | 3,332.86 | 1/4 | 2,991.72 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,373.08 | 1/2 | 4,171.42 | 1/2 | 3,962.49 | 1/2 | 3,752.81 | 1/2 | 3,542.97 | 1/2 | 3,325.76 | 1/2 | 2,984.59 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,370.25 | 3/4 | 4,167.07 | 3/4 | 3,958.14 | 3/4 | 3,748.44 | 3/4 | 3,538.60 | 3/4 | 3,318.66 | 3/4 | 2,977.46 |
| 4 | | 4 | | 4 | | 4 | 4,367.41 | 4 | 4,162.72 | 4 | 3,953.78 | 4 | 3,744.07 | 4 | 3,534.24 | 4 | 3,311.56 | 4 | 2,970.33 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,364.57 | 1/4 | 4,158.37 | 1/4 | 3,949.43 | 1/4 | 3,739.70 | 1/4 | 3,529.87 | 1/4 | 3,304.46 | 1/4 | 2,963.20 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,360.72 | 1/2 | 4,154.01 | 1/2 | 3,945.08 | 1/2 | 3,735.32 | 1/2 | 3,525.52 | 1/2 | 3,297.36 | 1/2 | 2,956.06 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,356.88 | 3/4 | 4,149.66 | 3/4 | 3,940.73 | 3/4 | 3,730.95 | 3/4 | 3,521.16 | 3/4 | 3,290.27 | 3/4 | 2,948.93 |
| 5 | | 5 | | 5 | | 5 | 4,353.03 | 5 | 4,145.31 | 5 | 3,936.37 | 5 | 3,726.58 | 5 | 3,516.81 | 5 | 3,283.17 | 5 | 2,941.80 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,349.19 | 1/4 | 4,140.96 | 1/4 | 3,932.02 | 1/4 | 3,722.21 | 1/4 | 3,512.45 | 1/4 | 3,276.07 | 1/4 | 2,934.67 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,344.90 | 1/2 | 4,136.60 | 1/2 | 3,927.66 | 1/2 | 3,717.84 | 1/2 | 3,508.09 | 1/2 | 3,268.97 | 1/2 | 2,927.54 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,340.62 | 3/4 | 4,132.25 | 3/4 | 3,923.30 | 3/4 | 3,713.46 | 3/4 | 3,503.74 | 3/4 | 3,261.87 | 3/4 | 2,920.42 |
| 6 | | 6 | | 6 | | 6 | 4,336.34 | 6 | 4,127.90 | 6 | 3,918.93 | 6 | 3,709.09 | 6 | 3,499.38 | 6 | 3,254.77 | 6 | 2,913.29 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,332.05 | 1/4 | 4,123.54 | 1/4 | 3,914.57 | 1/4 | 3,704.72 | 1/4 | 3,495.03 | 1/4 | 3,247.67 | 1/4 | 2,906.17 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,327.74 | 1/2 | 4,119.19 | 1/2 | 3,910.20 | 1/2 | 3,700.35 | 1/2 | 3,490.67 | 1/2 | 3,240.57 | 1/2 | 2,899.05 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,323.42 | 3/4 | 4,114.84 | 3/4 | 3,905.83 | 3/4 | 3,695.98 | 3/4 | 3,486.31 | 3/4 | 3,233.47 | 3/4 | 2,891.93 |
| 7 | | 7 | | 7 | | 7 | 4,319.10 | 7 | 4,110.49 | 7 | 3,901.46 | 7 | 3,691.60 | 7 | 3,481.96 | 7 | 3,226.37 | 7 | 2,884.81 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,314.79 | 1/4 | 4,106.13 | 1/4 | 3,897.08 | 1/4 | 3,687.23 | 1/4 | 3,477.60 | 1/4 | 3,219.28 | 1/4 | 2,877.69 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,310.46 | 1/2 | 4,101.78 | 1/2 | 3,892.71 | 1/2 | 3,682.86 | 1/2 | 3,473.25 | 1/2 | 3,212.18 | 1/2 | 2,870.57 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,306.14 | 3/4 | 4,097.43 | 3/4 | 3,888.34 | 3/4 | 3,678.49 | 3/4 | 3,468.89 | 3/4 | 3,205.08 | 3/4 | 2,863.45 |
| 8 | | 8 | | 8 | | 8 | 4,301.82 | 8 | 4,093.07 | 8 | 3,883.97 | 8 | 3,674.12 | 8 | 3,464.53 | 8 | 3,197.98 | 8 | 2,856.33 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,297.49 | 1/4 | 4,088.72 | 1/4 | 3,879.60 | 1/4 | 3,669.75 | 1/4 | 3,460.18 | 1/4 | 3,190.88 | 1/4 | 2,849.21 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,293.17 | 1/2 | 4,084.37 | 1/2 | 3,875.22 | 1/2 | 3,665.37 | 1/2 | 3,455.82 | 1/2 | 3,183.78 | 1/2 | 2,842.09 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,288.84 | 3/4 | 4,080.02 | 3/4 | 3,870.85 | 3/4 | 3,661.00 | 3/4 | 3,451.47 | 3/4 | 3,176.69 | 3/4 | 2,834.97 |
| 9 | | 9 | | 9 | | 9 | 4,284.52 | 9 | 4,075.66 | 9 | 3,866.48 | 9 | 3,656.63 | 9 | 3,447.11 | 9 | 3,169.59 | 9 | 2,827.85 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,280.19 | 1/4 | 4,071.31 | 1/4 | 3,862.11 | 1/4 | 3,652.26 | 1/4 | 3,442.75 | 1/4 | 3,162.49 | 1/4 | 2,820.73 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,275.85 | 1/2 | 4,066.96 | 1/2 | 3,857.74 | 1/2 | 3,647.89 | 1/2 | 3,438.40 | 1/2 | 3,155.39 | 1/2 | 2,813.61 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,271.51 | 3/4 | 4,062.60 | 3/4 | 3,853.37 | 3/4 | 3,643.51 | 3/4 | 3,434.04 | 3/4 | 3,148.29 | 3/4 | 2,806.49 |
| 10 | | 10 | | 10 | | 10 | 4,267.17 | 10 | 4,058.25 | 10 | 3,848.99 | 10 | 3,639.14 | 10 | 3,429.68 | 10 | 3,141.19 | 10 | 2,799.37 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,262.83 | 1/4 | 4,053.90 | 1/4 | 3,844.62 | 1/4 | 3,634.77 | 1/4 | 3,425.33 | 1/4 | 3,134.10 | 1/4 | 2,792.25 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,258.48 | 1/2 | 4,049.55 | 1/2 | 3,840.25 | 1/2 | 3,630.40 | 1/2 | 3,420.97 | 1/2 | 3,126.99 | 1/2 | 2,785.13 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,254.13 | 3/4 | 4,045.19 | 3/4 | 3,835.88 | 3/4 | 3,626.03 | 3/4 | 3,416.62 | 3/4 | 3,119.88 | 3/4 | 2,778.01 |
| 11 | | 11 | | 11 | | 11 | 4,249.78 | 11 | 4,040.84 | 11 | 3,831.51 | 11 | 3,621.65 | 11 | 3,412.26 | 11 | 3,112.77 | 11 | 2,770.89 |
| 1/4 | | 1/4 | | 1/2 | 4,401.80 | 1/4 | 4,245.42 | 1/4 | 4,036.49 | 1/4 | 3,827.13 | 1/4 | 3,617.28 | 1/4 | 3,407.90 | 1/4 | 3,105.67 | 1/4 | 2,763.77 |
| 1/2 | | 1/2 | | 1/2 | 4,400.72 | 1/2 | 4,241.07 | 1/2 | 4,032.14 | 1/2 | 3,822.76 | 1/2 | 3,612.91 | 1/2 | 3,403.55 | 1/2 | 3,098.55 | 1/2 | 2,756.65 |
| 3/4 | | 3/4 | | 3/4 | 4,399.65 | 3/4 | 4,236.72 | 3/4 | 4,027.78 | 3/4 | 3,818.39 | 3/4 | 3,608.54 | 3/4 | 3,399.19 | 3/4 | 3,091.44 | 3/4 | 2,749.53 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.**
**GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 3 PORT

### ULLAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,742.41 | 0 | 2,400.66 | 0 | 2,058.86 | 0 | 1,717.07 | 0 | 1,375.28 | 0 | 1,037.16 | 0 | 705.84 | 0 | 363.97 | 0 | 28.90 | 0 | |
| 1/4 | 2,735.29 | 1/4 | 2,393.54 | 1/4 | 2,051.74 | 1/4 | 1,709.95 | 1/4 | 1,368.16 | 1/4 | 1,030.35 | 1/4 | 698.72 | 1/4 | 356.84 | 1/4 | 23.55 | 1/4 | |
| 1/2 | 2,728.17 | 1/2 | 2,386.42 | 1/2 | 2,044.62 | 1/2 | 1,702.83 | 1/2 | 1,361.03 | 1/2 | 1,023.54 | 1/2 | 691.60 | 1/2 | 349.71 | 1/2 | 19.98 | 1/2 | |
| 3/4 | 2,721.05 | 3/4 | 2,379.29 | 3/4 | 2,037.50 | 3/4 | 1,695.71 | 3/4 | 1,353.91 | 3/4 | 1,016.73 | 3/4 | 684.48 | 3/4 | 342.58 | 3/4 | 16.41 | 3/4 | |
| 1 | 2,713.93 | 1 | 2,372.17 | 1 | 2,030.38 | 1 | 1,688.59 | 1 | 1,346.79 | 1 | 1,009.92 | 1 | 677.36 | 1 | 335.44 | 1 | 12.85 | 1 | |
| 1/4 | 2,706.81 | 1/4 | 2,365.05 | 1/4 | 2,023.26 | 1/4 | 1,681.47 | 1/4 | 1,339.67 | 1/4 | 1,003.11 | 1/4 | 670.23 | 1/4 | 328.31 | 1/4 | 9.28 | 1/4 | |
| 1/2 | 2,699.69 | 1/2 | 2,357.93 | 1/2 | 2,016.14 | 1/2 | 1,674.35 | 1/2 | 1,332.55 | 1/2 | 996.30 | 1/2 | 663.11 | 1/2 | 321.18 | 1/2 | 7.50 | 1/2 | |
| 3/4 | 2,692.57 | 3/4 | 2,350.81 | 3/4 | 2,009.02 | 3/4 | 1,667.22 | 3/4 | 1,325.43 | 3/4 | 989.48 | 3/4 | 655.99 | 3/4 | 314.04 | 3/4 | 5.71 | 3/4 | |
| 2 | 2,685.45 | 2 | 2,343.69 | 2 | 2,001.90 | 2 | 1,660.10 | 2 | 1,318.31 | 2 | 982.67 | 2 | 648.87 | 2 | 306.91 | 2 | 3.93 | 2 | |
| 1/4 | 2,678.33 | 1/4 | 2,336.57 | 1/4 | 1,994.78 | 1/4 | 1,652.98 | 1/4 | 1,311.19 | 1/4 | 975.86 | 1/4 | 641.75 | 1/4 | 299.77 | 1/4 | 2.15 | 1/4 | |
| 1/2 | 2,671.21 | 1/2 | 2,329.45 | 1/2 | 1,987.66 | 1/2 | 1,645.86 | 1/2 | 1,304.07 | 1/2 | 969.05 | 1/2 | 634.62 | 1/2 | 292.64 | 1/2 | | 1/2 | |
| 3/4 | 2,664.09 | 3/4 | 2,322.33 | 3/4 | 1,980.54 | 3/4 | 1,638.74 | 3/4 | 1,296.95 | 3/4 | 962.24 | 3/4 | 627.50 | 3/4 | 285.51 | 3/4 | | 3/4 | |
| 3 | 2,656.97 | 3 | 2,315.21 | 3 | 1,973.41 | 3 | 1,631.62 | 3 | 1,289.83 | 3 | 955.43 | 3 | 620.38 | 3 | 278.37 | 3 | | 3 | |
| 1/4 | 2,649.85 | 1/4 | 2,308.09 | 1/4 | 1,966.29 | 1/4 | 1,624.50 | 1/4 | 1,282.71 | 1/4 | 948.62 | 1/4 | 613.26 | 1/4 | 271.24 | 1/4 | | 1/4 | |
| 1/2 | 2,642.73 | 1/2 | 2,300.97 | 1/2 | 1,959.17 | 1/2 | 1,617.38 | 1/2 | 1,275.59 | 1/2 | 941.81 | 1/2 | 606.14 | 1/2 | 264.11 | 1/2 | | 1/2 | |
| 3/4 | 2,635.61 | 3/4 | 2,293.85 | 3/4 | 1,952.05 | 3/4 | 1,610.26 | 3/4 | 1,268.47 | 3/4 | 935.00 | 3/4 | 599.01 | 3/4 | 256.97 | 3/4 | | 3/4 | |
| 4 | 2,628.49 | 4 | 2,286.73 | 4 | 1,944.93 | 4 | 1,603.14 | 4 | 1,261.34 | 4 | 928.18 | 4 | 591.89 | 4 | 249.84 | 4 | | 4 | |
| 1/4 | 2,621.37 | 1/4 | 2,279.60 | 1/4 | 1,937.81 | 1/4 | 1,596.02 | 1/4 | 1,254.22 | 1/4 | 921.37 | 1/4 | 584.77 | 1/4 | 242.71 | 1/4 | | 1/4 | |
| 1/2 | 2,614.25 | 1/2 | 2,272.48 | 1/2 | 1,930.69 | 1/2 | 1,588.90 | 1/2 | 1,247.10 | 1/2 | 914.56 | 1/2 | 577.65 | 1/2 | 235.57 | 1/2 | | 1/2 | |
| 3/4 | 2,607.13 | 3/4 | 2,265.36 | 3/4 | 1,923.57 | 3/4 | 1,581.78 | 3/4 | 1,239.98 | 3/4 | 907.75 | 3/4 | 570.53 | 3/4 | 228.44 | 3/4 | | 3/4 | |
| 5 | 2,600.02 | 5 | 2,258.24 | 5 | 1,916.45 | 5 | 1,574.66 | 5 | 1,232.86 | 5 | 900.94 | 5 | 563.40 | 5 | 221.30 | 5 | | 5 | |
| 1/4 | 2,592.90 | 1/4 | 2,251.12 | 1/4 | 1,909.33 | 1/4 | 1,567.53 | 1/4 | 1,225.74 | 1/4 | 894.13 | 1/4 | 556.28 | 1/4 | 214.17 | 1/4 | | 1/4 | |
| 1/2 | 2,585.78 | 1/2 | 2,244.00 | 1/2 | 1,902.21 | 1/2 | 1,560.41 | 1/2 | 1,218.62 | 1/2 | 887.32 | 1/2 | 549.16 | 1/2 | 207.04 | 1/2 | | 1/2 | |
| 3/4 | 2,578.66 | 3/4 | 2,236.88 | 3/4 | 1,895.09 | 3/4 | 1,553.29 | 3/4 | 1,211.50 | 3/4 | 880.51 | 3/4 | 542.04 | 3/4 | 199.90 | 3/4 | | 3/4 | |
| 6 | 2,571.54 | 6 | 2,229.76 | 6 | 1,887.97 | 6 | 1,546.17 | 6 | 1,204.38 | 6 | 873.70 | 6 | 534.92 | 6 | 192.77 | 6 | | 6 | |
| 1/4 | 2,564.42 | 1/4 | 2,222.64 | 1/4 | 1,880.85 | 1/4 | 1,539.05 | 1/4 | 1,197.26 | 1/4 | 866.89 | 1/4 | 527.79 | 1/4 | 185.64 | 1/4 | | 1/4 | |
| 1/2 | 2,557.30 | 1/2 | 2,215.52 | 1/2 | 1,873.72 | 1/2 | 1,531.93 | 1/2 | 1,190.14 | 1/2 | 860.07 | 1/2 | 520.67 | 1/2 | 178.50 | 1/2 | | 1/2 | |
| 3/4 | 2,550.18 | 3/4 | 2,208.40 | 3/4 | 1,866.60 | 3/4 | 1,524.81 | 3/4 | 1,183.02 | 3/4 | 853.26 | 3/4 | 513.55 | 3/4 | 171.37 | 3/4 | | 3/4 | |
| 7 | 2,543.06 | 7 | 2,201.28 | 7 | 1,859.48 | 7 | 1,517.69 | 7 | 1,175.90 | 7 | 846.44 | 7 | 506.43 | 7 | 164.24 | 7 | | 7 | |
| 1/4 | 2,535.94 | 1/4 | 2,194.16 | 1/4 | 1,852.36 | 1/4 | 1,510.57 | 1/4 | 1,168.78 | 1/4 | 839.63 | 1/4 | 499.31 | 1/4 | 157.10 | 1/4 | | 1/4 | |
| 1/2 | 2,528.82 | 1/2 | 2,187.04 | 1/2 | 1,845.24 | 1/2 | 1,503.45 | 1/2 | 1,161.65 | 1/2 | 832.77 | 1/2 | 492.18 | 1/2 | 149.97 | 1/2 | | 1/2 | |
| 3/4 | 2,521.70 | 3/4 | 2,179.92 | 3/4 | 1,838.12 | 3/4 | 1,496.33 | 3/4 | 1,154.53 | 3/4 | 825.92 | 3/4 | 485.06 | 3/4 | 142.84 | 3/4 | | 3/4 | |
| 8 | 2,514.58 | 8 | 2,172.79 | 8 | 1,831.00 | 8 | 1,489.21 | 8 | 1,147.41 | 8 | 819.06 | 8 | 477.94 | 8 | 135.70 | 8 | | 8 | |
| 1/4 | 2,507.46 | 1/4 | 2,165.67 | 1/4 | 1,823.88 | 1/4 | 1,482.09 | 1/4 | 1,140.29 | 1/4 | 812.21 | 1/4 | 470.82 | 1/4 | 128.57 | 1/4 | | 1/4 | |
| 1/2 | 2,500.34 | 1/2 | 2,158.55 | 1/2 | 1,816.76 | 1/2 | 1,474.97 | 1/2 | 1,133.29 | 1/2 | 805.20 | 1/2 | 463.70 | 1/2 | 121.44 | 1/2 | | 1/2 | |
| 3/4 | 2,493.22 | 3/4 | 2,151.43 | 3/4 | 1,809.64 | 3/4 | 1,467.85 | 3/4 | 1,126.28 | 3/4 | 798.20 | 3/4 | 456.57 | 3/4 | 114.32 | 3/4 | | 3/4 | |
| 9 | 2,486.10 | 9 | 2,144.31 | 9 | 1,802.52 | 9 | 1,460.72 | 9 | 1,119.28 | 9 | 791.19 | 9 | 449.45 | 9 | 107.19 | 9 | | 9 | |
| 1/4 | 2,478.98 | 1/4 | 2,137.19 | 1/4 | 1,795.40 | 1/4 | 1,453.60 | 1/4 | 1,112.27 | 1/4 | 784.19 | 1/4 | 442.33 | 1/4 | 100.06 | 1/4 | | 1/4 | |
| 1/2 | 2,471.86 | 1/2 | 2,130.07 | 1/2 | 1,788.28 | 1/2 | 1,446.48 | 1/2 | 1,105.42 | 1/2 | 777.06 | 1/2 | 435.21 | 1/2 | 92.95 | 1/2 | | 1/2 | |
| 3/4 | 2,464.74 | 3/4 | 2,122.95 | 3/4 | 1,781.16 | 3/4 | 1,439.36 | 3/4 | 1,098.56 | 3/4 | 769.94 | 3/4 | 428.09 | 3/4 | 85.84 | 3/4 | | 3/4 | |
| 10 | 2,457.62 | 10 | 2,115.83 | 10 | 1,774.04 | 10 | 1,432.24 | 10 | 1,091.71 | 10 | 762.82 | 10 | 420.96 | 10 | 78.73 | 10 | | 10 | |
| 1/4 | 2,450.50 | 1/4 | 2,108.71 | 1/4 | 1,766.91 | 1/4 | 1,425.12 | 1/4 | 1,084.86 | 1/4 | 755.70 | 1/4 | 413.84 | 1/4 | 71.62 | 1/4 | | 1/4 | |
| 1/2 | 2,443.38 | 1/2 | 2,101.59 | 1/2 | 1,759.79 | 1/2 | 1,418.00 | 1/2 | 1,078.04 | 1/2 | 748.58 | 1/2 | 406.72 | 1/2 | 64.95 | 1/2 | | 1/2 | |
| 3/4 | 2,436.26 | 3/4 | 2,094.47 | 3/4 | 1,752.67 | 3/4 | 1,410.88 | 3/4 | 1,071.23 | 3/4 | 741.45 | 3/4 | 399.60 | 3/4 | 58.28 | 3/4 | | 3/4 | |
| 11 | 2,429.14 | 11 | 2,087.35 | 11 | 1,745.55 | 11 | 1,403.76 | 11 | 1,064.41 | 11 | 734.33 | 11 | 392.48 | 11 | 51.61 | 11 | | 11 | |
| 1/4 | 2,422.02 | 1/4 | 2,080.23 | 1/4 | 1,738.43 | 1/4 | 1,396.64 | 1/4 | 1,057.60 | 1/4 | 727.21 | 1/4 | 385.35 | 1/4 | 44.94 | 1/4 | | 1/4 | |
| 1/2 | 2,414.90 | 1/2 | 2,073.10 | 1/2 | 1,731.31 | 1/2 | 1,389.52 | 1/2 | 1,050.78 | 1/2 | 720.09 | 1/2 | 378.23 | 1/2 | 39.59 | 1/2 | | 1/2 | |
| 3/4 | 2,407.78 | 3/4 | 2,065.98 | 3/4 | 1,724.19 | 3/4 | 1,382.40 | 3/4 | 1,043.97 | 3/4 | 712.97 | 3/4 | 371.10 | 3/4 | 34.24 | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 3 STBD

### ULLAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 3/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | 0 | | 0 | | 0 | 4,406.08 | 0 | 4,246.78 | 0 | 4,038.32 | 0 | 3,829.42 | 0 | 3,620.05 | 0 | 3,410.68 | 0 | 3,106.51 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,405.00 | 1/4 | 4,242.44 | 1/4 | 4,033.98 | 1/4 | 3,825.06 | 1/4 | 3,615.69 | 1/4 | 3,406.32 | 1/4 | 3,099.42 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,403.93 | 1/2 | 4,238.09 | 1/2 | 4,029.63 | 1/2 | 3,820.70 | 1/2 | 3,611.33 | 1/2 | 3,401.95 | 1/2 | 3,092.32 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,402.85 | 3/4 | 4,233.75 | 3/4 | 4,025.29 | 3/4 | 3,816.33 | 3/4 | 3,606.96 | 3/4 | 3,397.59 | 3/4 | 3,085.23 |
| 1 | | 1 | | 1 | | 1 | 4,401.15 | 1 | 4,229.41 | 1 | 4,020.95 | 1 | 3,811.97 | 1 | 3,602.60 | 1 | 3,393.25 | 1 | 3,078.14 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,399.45 | 1/4 | 4,225.06 | 1/4 | 4,016.60 | 1/4 | 3,807.61 | 1/4 | 3,598.24 | 1/4 | 3,388.90 | 1/4 | 3,071.04 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,397.74 | 1/2 | 4,220.72 | 1/2 | 4,012.26 | 1/2 | 3,803.25 | 1/2 | 3,593.88 | 1/2 | 3,384.56 | 1/2 | 3,063.95 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,396.04 | 3/4 | 4,216.38 | 3/4 | 4,007.92 | 3/4 | 3,798.89 | 3/4 | 3,589.52 | 3/4 | 3,380.22 | 3/4 | 3,056.85 |
| 2 | | 2 | | 2 | | 2 | 4,394.33 | 2 | 4,212.04 | 2 | 4,003.58 | 2 | 3,794.53 | 2 | 3,585.15 | 2 | 3,375.89 | 2 | 3,049.76 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,392.63 | 1/4 | 4,207.69 | 1/4 | 3,999.23 | 1/4 | 3,790.16 | 1/4 | 3,580.79 | 1/4 | 3,371.56 | 1/4 | 3,042.66 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,390.93 | 1/2 | 4,203.35 | 1/2 | 3,994.89 | 1/2 | 3,785.80 | 1/2 | 3,576.43 | 1/2 | 3,367.24 | 1/2 | 3,035.57 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,389.22 | 3/4 | 4,199.01 | 3/4 | 3,990.55 | 3/4 | 3,781.44 | 3/4 | 3,572.07 | 3/4 | 3,362.91 | 3/4 | 3,028.48 |
| 3 | | 3 | | 3 | | 3 | 4,387.25 | 3 | 4,194.66 | 3 | 3,986.20 | 3 | 3,777.08 | 3 | 3,567.71 | 3 | 3,357.21 | 3 | 3,021.38 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,385.28 | 1/4 | 4,190.32 | 1/4 | 3,981.86 | 1/4 | 3,772.72 | 1/4 | 3,563.34 | 1/4 | 3,351.51 | 1/4 | 3,014.29 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,383.30 | 1/2 | 4,185.98 | 1/2 | 3,977.52 | 1/2 | 3,768.35 | 1/2 | 3,558.98 | 1/2 | 3,345.81 | 1/2 | 3,007.19 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,381.33 | 3/4 | 4,181.63 | 3/4 | 3,973.18 | 3/4 | 3,763.99 | 3/4 | 3,554.62 | 3/4 | 3,340.10 | 3/4 | 3,000.10 |
| 4 | | 4 | | 4 | | 4 | 4,378.50 | 4 | 4,177.29 | 4 | 3,968.83 | 4 | 3,759.63 | 4 | 3,550.26 | 4 | 3,333.03 | 4 | 2,993.00 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,375.66 | 1/4 | 4,172.95 | 1/4 | 3,964.49 | 1/4 | 3,755.27 | 1/4 | 3,545.90 | 1/4 | 3,325.95 | 1/4 | 2,985.91 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,372.83 | 1/2 | 4,168.61 | 1/2 | 3,960.15 | 1/2 | 3,750.91 | 1/2 | 3,541.54 | 1/2 | 3,318.87 | 1/2 | 2,978.82 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,370.00 | 3/4 | 4,164.26 | 3/4 | 3,955.80 | 3/4 | 3,746.54 | 3/4 | 3,537.17 | 3/4 | 3,311.80 | 3/4 | 2,971.72 |
| 5 | | 5 | | 5 | | 5 | 4,366.16 | 5 | 4,159.92 | 5 | 3,951.46 | 5 | 3,742.18 | 5 | 3,532.81 | 5 | 3,304.72 | 5 | 2,964.63 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,362.32 | 1/4 | 4,155.58 | 1/4 | 3,947.12 | 1/4 | 3,737.82 | 1/4 | 3,528.45 | 1/4 | 3,297.64 | 1/4 | 2,957.53 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,358.49 | 1/2 | 4,151.23 | 1/2 | 3,942.78 | 1/2 | 3,733.46 | 1/2 | 3,524.09 | 1/2 | 3,290.57 | 1/2 | 2,950.44 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,354.65 | 3/4 | 4,146.89 | 3/4 | 3,938.43 | 3/4 | 3,729.10 | 3/4 | 3,519.73 | 3/4 | 3,283.49 | 3/4 | 2,943.35 |
| 6 | | 6 | | 6 | | 6 | 4,350.38 | 6 | 4,142.55 | 6 | 3,934.08 | 6 | 3,724.73 | 6 | 3,515.36 | 6 | 3,276.41 | 6 | 2,936.25 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,346.10 | 1/4 | 4,138.21 | 1/4 | 3,929.73 | 1/4 | 3,720.37 | 1/4 | 3,511.00 | 1/4 | 3,269.33 | 1/4 | 2,929.16 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,341.83 | 1/2 | 4,133.86 | 1/2 | 3,925.37 | 1/2 | 3,716.01 | 1/2 | 3,506.64 | 1/2 | 3,262.26 | 1/2 | 2,922.06 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,337.55 | 3/4 | 4,129.52 | 3/4 | 3,921.02 | 3/4 | 3,711.65 | 3/4 | 3,502.28 | 3/4 | 3,255.18 | 3/4 | 2,914.97 |
| 7 | | 7 | | 7 | | 7 | 4,333.25 | 7 | 4,125.18 | 7 | 3,916.66 | 7 | 3,707.29 | 7 | 3,497.92 | 7 | 3,248.10 | 7 | 2,907.87 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,328.94 | 1/4 | 4,120.83 | 1/4 | 3,912.30 | 1/4 | 3,702.93 | 1/4 | 3,493.55 | 1/4 | 3,241.03 | 1/4 | 2,900.78 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,324.63 | 1/2 | 4,116.49 | 1/2 | 3,907.93 | 1/2 | 3,698.56 | 1/2 | 3,489.19 | 1/2 | 3,233.95 | 1/2 | 2,893.69 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,320.33 | 3/4 | 4,112.15 | 3/4 | 3,903.57 | 3/4 | 3,694.20 | 3/4 | 3,484.83 | 3/4 | 3,226.87 | 3/4 | 2,886.59 |
| 8 | | 8 | | 8 | | 8 | 4,316.01 | 8 | 4,107.81 | 8 | 3,899.21 | 8 | 3,689.84 | 8 | 3,480.47 | 8 | 3,219.80 | 8 | 2,879.50 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,311.70 | 1/4 | 4,103.46 | 1/4 | 3,894.85 | 1/4 | 3,685.48 | 1/4 | 3,476.11 | 1/4 | 3,212.72 | 1/4 | 2,872.40 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,307.39 | 1/2 | 4,099.12 | 1/2 | 3,890.49 | 1/2 | 3,681.12 | 1/2 | 3,471.74 | 1/2 | 3,205.64 | 1/2 | 2,865.31 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,303.07 | 3/4 | 4,094.78 | 3/4 | 3,886.13 | 3/4 | 3,676.75 | 3/4 | 3,467.38 | 3/4 | 3,198.56 | 3/4 | 2,858.21 |
| 9 | | 9 | | 9 | | 9 | 4,298.76 | 9 | 4,090.43 | 9 | 3,881.76 | 9 | 3,672.39 | 9 | 3,463.02 | 9 | 3,191.49 | 9 | 2,851.12 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,294.44 | 1/4 | 4,086.09 | 1/4 | 3,877.40 | 1/4 | 3,668.03 | 1/4 | 3,458.66 | 1/4 | 3,184.41 | 1/4 | 2,844.03 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,290.13 | 1/2 | 4,081.75 | 1/2 | 3,873.04 | 1/2 | 3,663.67 | 1/2 | 3,454.30 | 1/2 | 3,177.33 | 1/2 | 2,836.93 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,285.81 | 3/4 | 4,077.41 | 3/4 | 3,868.68 | 3/4 | 3,659.31 | 3/4 | 3,449.94 | 3/4 | 3,170.26 | 3/4 | 2,829.84 |
| 10 | | 10 | | 10 | | 10 | 4,281.48 | 10 | 4,073.06 | 10 | 3,864.32 | 10 | 3,654.94 | 10 | 3,445.57 | 10 | 3,163.18 | 10 | 2,822.74 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,277.15 | 1/4 | 4,068.72 | 1/4 | 3,859.95 | 1/4 | 3,650.58 | 1/4 | 3,441.21 | 1/4 | 3,156.10 | 1/4 | 2,815.65 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,272.82 | 1/2 | 4,064.38 | 1/2 | 3,855.59 | 1/2 | 3,646.22 | 1/2 | 3,436.85 | 1/2 | 3,149.03 | 1/2 | 2,808.56 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,268.49 | 3/4 | 4,060.03 | 3/4 | 3,851.23 | 3/4 | 3,641.86 | 3/4 | 3,432.49 | 3/4 | 3,141.95 | 3/4 | 2,801.46 |
| 11 | | 11 | | 11 | | 11 | 4,264.15 | 11 | 4,055.69 | 11 | 3,846.87 | 11 | 3,637.50 | 11 | 3,428.13 | 11 | 3,134.86 | 11 | 2,794.37 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,259.81 | 1/4 | 4,051.35 | 1/4 | 3,842.51 | 1/4 | 3,633.14 | 1/4 | 3,423.76 | 1/4 | 3,127.78 | 1/4 | 2,787.27 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,255.46 | 1/2 | 4,047.00 | 1/2 | 3,838.14 | 1/2 | 3,628.77 | 1/2 | 3,419.40 | 1/2 | 3,120.69 | 1/2 | 2,780.18 |
| 3/4 | | 3/4 | | 3/4 | 4,407.15 | 3/4 | 4,251.12 | 3/4 | 4,042.66 | 3/4 | 3,833.78 | 3/4 | 3,624.41 | 3/4 | 3,415.04 | 3/4 | 3,113.61 | 3/4 | 2,773.08 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.**
**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**
**CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**
**CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.**
**GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" FORWARD OF AFT BULKHEAD.**

**PRECISION MEASUREMENT**
**& ANALYSIS, INC.**
**P.O. Box 2092**
**Pearland, Texas 77588**
**http://www.pmacorp.net**

# BARGE "FMT 3310"

## 3 STBD

### ULLAGE TABLE

### 10" HATCH

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02 3/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2,765.99 | 0 | 2,424.95 | 0 | 2,083.56 | 0 | 1,742.17 | 0 | 1,400.78 | 0 | 1,059.45 | 0 | 718.50 | 0 | 377.11 | 0 | 39.48 | 0 | |
| 1/4 | 2,758.90 | 1/4 | 2,417.84 | 1/4 | 2,076.45 | 1/4 | 1,735.06 | 1/4 | 1,393.67 | 1/4 | 1,052.36 | 1/4 | 711.39 | 1/4 | 370.00 | 1/4 | 34.15 | 1/4 | |
| 1/2 | 2,751.80 | 1/2 | 2,410.73 | 1/2 | 2,069.34 | 1/2 | 1,727.95 | 1/2 | 1,386.56 | 1/2 | 1,045.26 | 1/2 | 704.28 | 1/2 | 362.89 | 1/2 | 28.81 | 1/2 | |
| 3/4 | 2,744.71 | 3/4 | 2,403.61 | 3/4 | 2,062.22 | 3/4 | 1,720.83 | 3/4 | 1,379.44 | 3/4 | 1,038.16 | 3/4 | 697.16 | 3/4 | 355.78 | 3/4 | 23.48 | 3/4 | |
| 1 | 2,737.61 | 1 | 2,396.50 | 1 | 2,055.11 | 1 | 1,713.72 | 1 | 1,372.33 | 1 | 1,031.06 | 1 | 690.05 | 1 | 348.67 | 1 | 19.92 | 1 | |
| 1/4 | 2,730.52 | 1/4 | 2,389.39 | 1/4 | 2,048.00 | 1/4 | 1,706.61 | 1/4 | 1,365.22 | 1/4 | 1,023.96 | 1/4 | 682.94 | 1/4 | 341.55 | 1/4 | 16.37 | 1/4 | |
| 1/2 | 2,723.43 | 1/2 | 2,382.28 | 1/2 | 2,040.89 | 1/2 | 1,699.50 | 1/2 | 1,358.11 | 1/2 | 1,016.86 | 1/2 | 675.83 | 1/2 | 334.44 | 1/2 | 12.81 | 1/2 | |
| 3/4 | 2,716.33 | 3/4 | 2,375.16 | 3/4 | 2,033.77 | 3/4 | 1,692.38 | 3/4 | 1,350.99 | 3/4 | 1,009.77 | 3/4 | 668.71 | 3/4 | 327.33 | 3/4 | 9.26 | 3/4 | |
| 2 | 2,709.24 | 2 | 2,368.05 | 2 | 2,026.66 | 2 | 1,685.27 | 2 | 1,343.88 | 2 | 1,002.67 | 2 | 661.60 | 2 | 320.22 | 2 | 7.48 | 2 | |
| 1/4 | 2,702.14 | 1/4 | 2,360.94 | 1/4 | 2,019.55 | 1/4 | 1,678.16 | 1/4 | 1,336.77 | 1/4 | 995.57 | 1/4 | 654.49 | 1/4 | 313.10 | 1/4 | 5.70 | 1/4 | |
| 1/2 | 2,695.05 | 1/2 | 2,353.83 | 1/2 | 2,012.44 | 1/2 | 1,671.05 | 1/2 | 1,329.66 | 1/2 | 988.47 | 1/2 | 647.38 | 1/2 | 305.99 | 1/2 | 3.92 | 1/2 | |
| 3/4 | 2,687.95 | 3/4 | 2,346.72 | 3/4 | 2,005.33 | 3/4 | 1,663.93 | 3/4 | 1,322.54 | 3/4 | 981.37 | 3/4 | 640.27 | 3/4 | 298.88 | 3/4 | 2.14 | 3/4 | |
| 3 | 2,680.86 | 3 | 2,339.60 | 3 | 1,998.21 | 3 | 1,656.82 | 3 | 1,315.43 | 3 | 974.27 | 3 | 633.15 | 3 | 291.77 | 3 | | 3 | |
| 1/4 | 2,673.77 | 1/4 | 2,332.49 | 1/4 | 1,991.10 | 1/4 | 1,649.71 | 1/4 | 1,308.32 | 1/4 | 967.17 | 1/4 | 626.04 | 1/4 | 284.66 | 1/4 | | 1/4 | |
| 1/2 | 2,666.67 | 1/2 | 2,325.38 | 1/2 | 1,983.99 | 1/2 | 1,642.60 | 1/2 | 1,301.21 | 1/2 | 960.08 | 1/2 | 618.93 | 1/2 | 277.54 | 1/2 | | 1/2 | |
| 3/4 | 2,659.58 | 3/4 | 2,318.27 | 3/4 | 1,976.88 | 3/4 | 1,635.49 | 3/4 | 1,294.10 | 3/4 | 952.98 | 3/4 | 611.82 | 3/4 | 270.43 | 3/4 | | 3/4 | |
| 4 | 2,652.48 | 4 | 2,311.15 | 4 | 1,969.76 | 4 | 1,628.37 | 4 | 1,286.98 | 4 | 945.88 | 4 | 604.70 | 4 | 263.32 | 4 | | 4 | |
| 1/4 | 2,645.39 | 1/4 | 2,304.04 | 1/4 | 1,962.65 | 1/4 | 1,621.26 | 1/4 | 1,279.87 | 1/4 | 938.78 | 1/4 | 597.59 | 1/4 | 256.21 | 1/4 | | 1/4 | |
| 1/2 | 2,638.29 | 1/2 | 2,296.93 | 1/2 | 1,955.54 | 1/2 | 1,614.15 | 1/2 | 1,272.76 | 1/2 | 931.68 | 1/2 | 590.48 | 1/2 | 249.09 | 1/2 | | 1/2 | |
| 3/4 | 2,631.20 | 3/4 | 2,289.82 | 3/4 | 1,948.43 | 3/4 | 1,607.04 | 3/4 | 1,265.65 | 3/4 | 924.59 | 3/4 | 583.37 | 3/4 | 241.98 | 3/4 | | 3/4 | |
| 5 | 2,624.10 | 5 | 2,282.70 | 5 | 1,941.31 | 5 | 1,599.92 | 5 | 1,258.53 | 5 | 917.49 | 5 | 576.26 | 5 | 234.87 | 5 | | 5 | |
| 1/4 | 2,616.99 | 1/4 | 2,275.59 | 1/4 | 1,934.20 | 1/4 | 1,592.81 | 1/4 | 1,251.42 | 1/4 | 910.39 | 1/4 | 569.14 | 1/4 | 227.76 | 1/4 | | 1/4 | |
| 1/2 | 2,609.89 | 1/2 | 2,268.48 | 1/2 | 1,927.09 | 1/2 | 1,585.70 | 1/2 | 1,244.31 | 1/2 | 903.29 | 1/2 | 562.03 | 1/2 | 220.65 | 1/2 | | 1/2 | |
| 3/4 | 2,602.79 | 3/4 | 2,261.37 | 3/4 | 1,919.98 | 3/4 | 1,578.59 | 3/4 | 1,237.20 | 3/4 | 896.19 | 3/4 | 554.92 | 3/4 | 213.53 | 3/4 | | 3/4 | |
| 6 | 2,595.67 | 6 | 2,254.26 | 6 | 1,912.87 | 6 | 1,571.47 | 6 | 1,230.08 | 6 | 889.09 | 6 | 547.81 | 6 | 206.42 | 6 | | 6 | |
| 1/4 | 2,588.56 | 1/4 | 2,247.14 | 1/4 | 1,905.75 | 1/4 | 1,564.36 | 1/4 | 1,222.97 | 1/4 | 882.00 | 1/4 | 540.69 | 1/4 | 199.31 | 1/4 | | 1/4 | |
| 1/2 | 2,581.45 | 1/2 | 2,240.03 | 1/2 | 1,898.64 | 1/2 | 1,557.25 | 1/2 | 1,215.86 | 1/2 | 874.90 | 1/2 | 533.58 | 1/2 | 192.20 | 1/2 | | 1/2 | |
| 3/4 | 2,574.33 | 3/4 | 2,232.92 | 3/4 | 1,891.53 | 3/4 | 1,550.14 | 3/4 | 1,208.75 | 3/4 | 867.80 | 3/4 | 526.47 | 3/4 | 185.08 | 3/4 | | 3/4 | |
| 7 | 2,567.22 | 7 | 2,225.81 | 7 | 1,884.42 | 7 | 1,543.03 | 7 | 1,201.64 | 7 | 860.70 | 7 | 519.36 | 7 | 177.97 | 7 | | 7 | |
| 1/4 | 2,560.11 | 1/4 | 2,218.69 | 1/4 | 1,877.30 | 1/4 | 1,535.91 | 1/4 | 1,194.52 | 1/4 | 853.60 | 1/4 | 512.25 | 1/4 | 170.86 | 1/4 | | 1/4 | |
| 1/2 | 2,552.99 | 1/2 | 2,211.58 | 1/2 | 1,870.19 | 1/2 | 1,528.80 | 1/2 | 1,187.41 | 1/2 | 846.49 | 1/2 | 505.13 | 1/2 | 163.75 | 1/2 | | 1/2 | |
| 3/4 | 2,545.88 | 3/4 | 2,204.47 | 3/4 | 1,863.08 | 3/4 | 1,521.69 | 3/4 | 1,180.30 | 3/4 | 839.39 | 3/4 | 498.02 | 3/4 | 156.64 | 3/4 | | 3/4 | |
| 8 | 2,538.77 | 8 | 2,197.36 | 8 | 1,855.97 | 8 | 1,514.58 | 8 | 1,173.19 | 8 | 832.28 | 8 | 490.91 | 8 | 149.52 | 8 | | 8 | |
| 1/4 | 2,531.65 | 1/4 | 2,190.25 | 1/4 | 1,848.85 | 1/4 | 1,507.46 | 1/4 | 1,166.07 | 1/4 | 825.17 | 1/4 | 483.80 | 1/4 | 142.41 | 1/4 | | 1/4 | |
| 1/2 | 2,524.54 | 1/2 | 2,183.13 | 1/2 | 1,841.74 | 1/2 | 1,500.35 | 1/2 | 1,158.96 | 1/2 | 818.07 | 1/2 | 476.68 | 1/2 | 135.30 | 1/2 | | 1/2 | |
| 3/4 | 2,517.43 | 3/4 | 2,176.02 | 3/4 | 1,834.63 | 3/4 | 1,493.24 | 3/4 | 1,151.85 | 3/4 | 810.96 | 3/4 | 469.57 | 3/4 | 128.19 | 3/4 | | 3/4 | |
| 9 | 2,510.31 | 9 | 2,168.91 | 9 | 1,827.52 | 9 | 1,486.13 | 9 | 1,144.74 | 9 | 803.85 | 9 | 462.46 | 9 | 121.08 | 9 | | 9 | |
| 1/4 | 2,503.19 | 1/4 | 2,161.80 | 1/4 | 1,820.41 | 1/4 | 1,479.02 | 1/4 | 1,137.62 | 1/4 | 796.73 | 1/4 | 455.35 | 1/4 | 113.98 | 1/4 | | 1/4 | |
| 1/2 | 2,496.08 | 1/2 | 2,154.68 | 1/2 | 1,813.29 | 1/2 | 1,471.90 | 1/2 | 1,130.51 | 1/2 | 789.62 | 1/2 | 448.24 | 1/2 | 106.87 | 1/2 | | 1/2 | |
| 3/4 | 2,488.96 | 3/4 | 2,147.57 | 3/4 | 1,806.18 | 3/4 | 1,464.79 | 3/4 | 1,123.40 | 3/4 | 782.51 | 3/4 | 441.12 | 3/4 | 99.76 | 3/4 | | 3/4 | |
| 10 | 2,481.85 | 10 | 2,140.46 | 10 | 1,799.07 | 10 | 1,457.68 | 10 | 1,116.29 | 10 | 775.40 | 10 | 434.01 | 10 | 92.68 | 10 | | 10 | |
| 1/4 | 2,474.74 | 1/4 | 2,133.35 | 1/4 | 1,791.96 | 1/4 | 1,450.57 | 1/4 | 1,109.18 | 1/4 | 768.28 | 1/4 | 426.90 | 1/4 | 85.59 | 1/4 | | 1/4 | |
| 1/2 | 2,467.62 | 1/2 | 2,126.23 | 1/2 | 1,784.84 | 1/2 | 1,443.45 | 1/2 | 1,102.07 | 1/2 | 761.17 | 1/2 | 419.79 | 1/2 | 78.50 | 1/2 | | 1/2 | |
| 3/4 | 2,460.51 | 3/4 | 2,119.12 | 3/4 | 1,777.73 | 3/4 | 1,436.34 | 3/4 | 1,094.96 | 3/4 | 754.06 | 3/4 | 412.67 | 3/4 | 71.41 | 3/4 | | 3/4 | |
| 11 | 2,453.40 | 11 | 2,112.01 | 11 | 1,770.62 | 11 | 1,429.23 | 11 | 1,087.86 | 11 | 746.95 | 11 | 405.56 | 11 | 64.76 | 11 | | 11 | |
| 1/4 | 2,446.29 | 1/4 | 2,104.90 | 1/4 | 1,763.51 | 1/4 | 1,422.12 | 1/4 | 1,080.76 | 1/4 | 739.84 | 1/4 | 398.45 | 1/4 | 58.11 | 1/4 | | 1/4 | |
| 1/2 | 2,439.18 | 1/2 | 2,097.79 | 1/2 | 1,756.39 | 1/2 | 1,415.00 | 1/2 | 1,073.65 | 1/2 | 732.72 | 1/2 | 391.34 | 1/2 | 51.46 | 1/2 | | 1/2 | |
| 3/4 | 2,432.06 | 3/4 | 2,090.67 | 3/4 | 1,749.28 | 3/4 | 1,407.89 | 3/4 | 1,066.55 | 3/4 | 725.61 | 3/4 | 384.23 | 3/4 | 44.81 | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**STRAPPED: 07/15/2020 CL**
**CALCULATED: 07/16/2020 CL**
**PRINTED: 07/16/2020 JS**

**CANCELS AND SUPERCEDES**
**ALL PRIOR TO 07/2020**

**PRECISION MEASUREMENT**
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