



# BARGE: FMT 1400

## INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
3 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

LENGTH BETWEEN DRAFT MARKS: 163'-09"

July 16, 2019

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-1/2"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 1/2"



# BARGE "FMT 1400"

# 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	4.08	0	221.44	0	470.14	0	715.44	0	960.46	0	1,208.41	0	1,456.36	0	1,704.20	0	1,951.54	0	2,199.55
1/4	4.94	1/4	226.62	1/4	475.32	1/4	720.45	1/4	965.63	1/4	1,213.58	1/4	1,461.52	1/4	1,709.35	1/4	1,956.70	1/4	2,204.72
1/2	5.80	1/2	231.80	1/2	480.50	1/2	725.46	1/2	970.79	1/2	1,218.74	1/2	1,466.69	1/2	1,714.50	1/2	1,961.87	1/2	2,209.89
3/4	6.66	3/4	236.98	3/4	485.68	3/4	730.47	3/4	975.96	3/4	1,223.91	3/4	1,471.86	3/4	1,719.65	3/4	1,967.04	3/4	2,215.05
1	7.53	1	242.16	1	490.86	1	735.48	1	981.12	1	1,229.07	1	1,477.02	1	1,724.80	1	1,972.20	1	2,220.22
1/4	10.12	1/4	247.35	1/4	496.04	1/4	740.49	1/4	986.29	1/4	1,234.24	1/4	1,482.19	1/4	1,729.95	1/4	1,977.37	1/4	2,225.39
1/2	12.71	1/2	252.53	1/2	501.22	1/2	745.50	1/2	991.45	1/2	1,239.40	1/2	1,487.35	1/2	1,735.10	1/2	1,982.54	1/2	2,230.55
3/4	15.30	3/4	257.71	3/4	506.41	3/4	750.51	3/4	996.62	3/4	1,244.57	3/4	1,492.52	3/4	1,740.25	3/4	1,987.71	3/4	2,235.72
2	17.89	2	262.89	2	511.59	2	755.52	2	1,001.79	2	1,249.73	2	1,497.68	2	1,745.40	2	1,992.87	2	2,240.89
1/4	22.20	1/4	268.07	1/4	516.77	1/4	760.53	1/4	1,006.95	1/4	1,254.90	1/4	1,502.85	1/4	1,750.55	1/4	1,998.04	1/4	2,246.06
1/2	26.52	1/2	273.25	1/2	521.95	1/2	765.54	1/2	1,012.12	1/2	1,260.07	1/2	1,508.01	1/2	1,755.70	1/2	2,003.21	1/2	2,251.22
3/4	30.83	3/4	278.43	3/4	527.13	3/4	770.54	3/4	1,017.28	3/4	1,265.23	3/4	1,513.17	3/4	1,760.85	3/4	2,008.37	3/4	2,256.39
3	35.15	3	283.61	3	532.31	3	775.55	3	1,022.45	3	1,270.40	3	1,518.33	3	1,766.00	3	2,013.54	3	2,261.56
1/4	40.28	1/4	288.79	1/4	537.49	1/4	780.59	1/4	1,027.61	1/4	1,275.56	1/4	1,523.49	1/4	1,771.15	1/4	2,018.71	1/4	2,266.72
1/2	45.42	1/2	293.98	1/2	542.67	1/2	785.62	1/2	1,032.78	1/2	1,280.73	1/2	1,528.65	1/2	1,776.30	1/2	2,023.87	1/2	2,271.89
3/4	50.56	3/4	299.16	3/4	547.85	3/4	790.65	3/4	1,037.95	3/4	1,285.89	3/4	1,533.82	3/4	1,781.45	3/4	2,029.04	3/4	2,277.06
4	55.69	4	304.34	4	553.04	4	795.68	4	1,043.11	4	1,291.06	4	1,538.98	4	1,786.60	4	2,034.21	4	2,282.22
1/4	60.86	1/4	309.52	1/4	558.22	1/4	800.72	1/4	1,048.28	1/4	1,296.23	1/4	1,544.14	1/4	1,791.75	1/4	2,039.38	1/4	2,287.39
1/2	66.03	1/2	314.70	1/2	563.40	1/2	805.75	1/2	1,053.44	1/2	1,301.39	1/2	1,549.30	1/2	1,796.90	1/2	2,044.54	1/2	2,292.56
3/4	71.20	3/4	319.88	3/4	568.58	3/4	810.79	3/4	1,058.61	3/4	1,306.56	3/4	1,554.46	3/4	1,802.05	3/4	2,049.71	3/4	2,297.73
5	76.37	5	325.06	5	573.76	5	815.82	5	1,063.77	5	1,311.72	5	1,559.62	5	1,807.20	5	2,054.88	5	2,302.89
1/4	81.55	1/4	330.24	1/4	578.93	1/4	820.99	1/4	1,068.94	1/4	1,316.89	1/4	1,564.79	1/4	1,812.35	1/4	2,060.04	1/4	2,308.06
1/2	86.73	1/2	335.43	1/2	584.11	1/2	826.16	1/2	1,074.10	1/2	1,322.05	1/2	1,569.95	1/2	1,817.50	1/2	2,065.21	1/2	2,313.23
3/4	91.91	3/4	340.61	3/4	589.28	3/4	831.32	3/4	1,079.27	3/4	1,327.22	3/4	1,575.11	3/4	1,822.65	3/4	2,070.38	3/4	2,318.39
6	97.09	6	345.79	6	594.45	6	836.49	6	1,084.44	6	1,332.38	6	1,580.27	6	1,827.80	6	2,075.54	6	2,323.56
1/4	102.27	1/4	350.97	1/4	599.63	1/4	841.65	1/4	1,089.60	1/4	1,337.55	1/4	1,585.43	1/4	1,832.95	1/4	2,080.71	1/4	2,328.73
1/2	107.45	1/2	356.15	1/2	604.80	1/2	846.82	1/2	1,094.77	1/2	1,342.72	1/2	1,590.59	1/2	1,838.10	1/2	2,085.88	1/2	2,333.89
3/4	112.63	3/4	361.33	3/4	609.97	3/4	851.98	3/4	1,099.93	3/4	1,347.88	3/4	1,595.76	3/4	1,843.25	3/4	2,091.05	3/4	2,339.06
7	117.81	7	366.51	7	615.15	7	857.15	7	1,105.10	7	1,353.05	7	1,600.92	7	1,848.40	7	2,096.21	7	2,344.23
1/4	122.99	1/4	371.69	1/4	620.17	1/4	862.31	1/4	1,110.26	1/4	1,358.21	1/4	1,606.08	1/4	1,853.55	1/4	2,101.38	1/4	2,349.39
1/2	128.17	1/2	376.88	1/2	625.20	1/2	867.48	1/2	1,115.43	1/2	1,363.38	1/2	1,611.24	1/2	1,858.70	1/2	2,106.55	1/2	2,354.55
3/4	133.35	3/4	382.06	3/4	630.22	3/4	872.65	3/4	1,120.59	3/4	1,368.54	3/4	1,616.40	3/4	1,863.85	3/4	2,111.71	3/4	2,359.71
8	138.54	8	387.24	8	635.24	8	877.81	8	1,125.76	8	1,373.71	8	1,621.56	8	1,869.00	8	2,116.88	8	2,364.88
1/4	143.72	1/4	392.42	1/4	640.27	1/4	882.98	1/4	1,130.93	1/4	1,378.87	1/4	1,626.73	1/4	1,874.15	1/4	2,122.05	1/4	2,370.04
1/2	148.90	1/2	397.60	1/2	645.29	1/2	888.14	1/2	1,136.09	1/2	1,384.04	1/2	1,631.89	1/2	1,879.30	1/2	2,127.21	1/2	2,375.20
3/4	154.08	3/4	402.78	3/4	650.31	3/4	893.31	3/4	1,141.26	3/4	1,389.21	3/4	1,637.06	3/4	1,884.45	3/4	2,132.38	3/4	2,380.36
9	159.26	9	407.96	9	655.33	9	898.47	9	1,146.42	9	1,394.37	9	1,642.22	9	1,889.60	9	2,137.55	9	2,385.52
1/4	164.44	1/4	413.14	1/4	660.34	1/4	903.64	1/4	1,151.59	1/4	1,399.54	1/4	1,647.39	1/4	1,894.75	1/4	2,142.72	1/4	2,390.68
1/2	169.62	1/2	418.32	1/2	665.35	1/2	908.81	1/2	1,156.75	1/2	1,404.70	1/2	1,652.55	1/2	1,899.90	1/2	2,147.88	1/2	2,395.85
3/4	174.81	3/4	423.51	3/4	670.36	3/4	913.97	3/4	1,161.92	3/4	1,409.87	3/4	1,657.72	3/4	1,905.05	3/4	2,153.05	3/4	2,401.01
10	179.99	10	428.69	10	675.37	10	919.14	10	1,167.09	10	1,415.03	10	1,662.88	10	1,910.20	10	2,158.22	10	2,406.17
1/4	185.17	1/4	433.87	1/4	680.38	1/4	924.30	1/4	1,172.25	1/4	1,420.20	1/4	1,668.05	1/4	1,915.37	1/4	2,163.38	1/4	2,411.33
1/2	190.35	1/2	439.05	1/2	685.38	1/2	929.47	1/2	1,177.42	1/2	1,425.37	1/2	1,673.21	1/2	1,920.53	1/2	2,168.55	1/2	2,416.49
3/4	195.53	3/4	444.23	3/4	690.39	3/4	934.63	3/4	1,182.58	3/4	1,430.53	3/4	1,678.37	3/4	1,925.70	3/4	2,173.72	3/4	2,421.65
11	200.71	11	449.41	11	695.40	11	939.80	11	1,187.75	11	1,435.70	11	1,683.54	11	1,930.87	11	2,178.88	11	2,426.82
1/4	205.89	1/4	454.59	1/4	700.41	1/4	944.96	1/4	1,192.91	1/4	1,440.86	1/4	1,688.70	1/4	1,936.04	1/4	2,184.05	1/4	2,431.98
1/2	211.08	1/2	459.77	1/2	705.42	1/2	950.13	1/2	1,198.08	1/2	1,446.03	1/2	1,693.87	1/2	1,941.20	1/2	2,189.22	1/2	2,437.14
3/4	216.26	3/4	464.96	3/4	710.43	3/4	955.30	3/4	1,203.24	3/4	1,451.19	3/4	1,699.03	3/4	1,946.37	3/4	2,194.39	3/4	2,442.30

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 OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "FMT 1400"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	2,447.46	0	2,676.46	0	2,888.04	0	3,099.63	0	3,311.21	0		0		0		0		0	
1/4	2,452.62	1/4	2,680.87	1/4	2,892.45	1/4	3,104.04	1/4	3,315.62	1/4		1/4		1/4		1/4		1/4	
1/2	2,457.79	1/2	2,685.28	1/2	2,896.86	1/2	3,108.44	1/2	3,320.03	1/2		1/2		1/2		1/2		1/2	
3/4	2,462.95	3/4	2,689.68	3/4	2,901.27	3/4	3,112.85	3/4	3,324.44	3/4		3/4		3/4		3/4		3/4	
1	2,468.11	1	2,694.09	1	2,905.68	1	3,117.26	1	3,328.84	1		1		1		1		1	
1/4	2,473.27	1/4	2,698.50	1/4	2,910.08	1/4	3,121.67	1/4	3,333.25	1/4		1/4		1/4		1/4		1/4	
1/2	2,478.43	1/2	2,702.91	1/2	2,914.49	1/2	3,126.08	1/2	3,337.66	1/2		1/2		1/2		1/2		1/2	
3/4	2,483.59	3/4	2,707.32	3/4	2,918.90	3/4	3,130.48	3/4	3,342.07	3/4		3/4		3/4		3/4		3/4	
2	2,488.76	2	2,711.72	2	2,923.31	2	3,134.89	2	3,346.48	2		2		2		2		2	
1/4	2,493.92	1/4	2,716.13	1/4	2,927.72	1/4	3,139.30	1/4	3,350.89	1/4		1/4		1/4		1/4		1/4	
1/2	2,499.08	1/2	2,720.54	1/2	2,932.12	1/2	3,143.71	1/2	3,355.30	1/2		1/2		1/2		1/2		1/2	
3/4	2,504.24	3/4	2,724.95	3/4	2,936.53	3/4	3,148.12	3/4	3,359.71	3/4		3/4		3/4		3/4		3/4	
3	2,509.40	3	2,729.36	3	2,940.94	3	3,152.52	3	3,364.12	3		3		3		3		3	
1/4	2,514.56	1/4	2,733.76	1/4	2,945.35	1/4	3,156.93	1/4	3,368.51	1/4		1/4		1/4		1/4		1/4	
1/2	2,519.73	1/2	2,738.17	1/2	2,949.76	1/2	3,161.34	1/2	3,372.91	1/2		1/2		1/2		1/2		1/2	
3/4	2,524.89	3/4	2,742.58	3/4	2,954.16	3/4	3,165.75	3/4	3,377.30	3/4		3/4		3/4		3/4		3/4	
4	2,530.05	4	2,746.99	4	2,958.57	4	3,170.16	4	3,381.70	4		4		4		4		4	
1/4	2,535.20	1/4	2,751.40	1/4	2,962.98	1/4	3,174.56	1/4	3,386.06	1/4		1/4		1/4		1/4		1/4	
1/2	2,540.34	1/2	2,755.80	1/2	2,967.39	1/2	3,178.97	1/2	3,390.42	1/2		1/2		1/2		1/2		1/2	
3/4	2,545.49	3/4	2,760.21	3/4	2,971.80	3/4	3,183.38	3/4	3,394.79	3/4		3/4		3/4		3/4		3/4	
5	2,550.64	5	2,764.62	5	2,976.20	5	3,187.79	5	3,399.15	5		5		5		5		5	
1/4	2,555.78	1/4	2,769.03	1/4	2,980.61	1/4	3,192.20	1/4	3,403.46	1/4		1/4		1/4		1/4		1/4	
1/2	2,560.93	1/2	2,773.44	1/2	2,985.02	1/2	3,196.60	1/2	3,407.78	1/2		1/2		1/2		1/2		1/2	
3/4	2,566.07	3/4	2,777.84	3/4	2,989.43	3/4	3,201.01	3/4	3,412.10	3/4		3/4		3/4		3/4		3/4	
6	2,571.22	6	2,782.25	6	2,993.84	6	3,205.42	6	3,416.41	6		6		6		6		6	
1/4	2,575.59	1/4	2,786.66	1/4	2,998.24	1/4	3,209.83	1/4	3,419.00	1/4		1/4		1/4		1/4		1/4	
1/2	2,579.97	1/2	2,791.07	1/2	3,002.65	1/2	3,214.24	1/2	3,421.59	1/2		1/2		1/2		1/2		1/2	
3/4	2,584.34	3/4	2,795.48	3/4	3,007.06	3/4	3,218.64	3/4	3,424.18	3/4		3/4		3/4		3/4		3/4	
7	2,588.71	7	2,799.88	7	3,011.47	7	3,223.05	7	3,426.77	7		7		7		7		7	
1/4	2,593.09	1/4	2,804.29	1/4	3,015.88	1/4	3,227.46	1/4	3,427.63	1/4		1/4		1/4		1/4		1/4	
1/2	2,597.46	1/2	2,808.70	1/2	3,020.28	1/2	3,231.87	1/2	3,428.50	1/2		1/2		1/2		1/2		1/2	
3/4	2,601.84	3/4	2,813.11	3/4	3,024.69	3/4	3,236.28	3/4	3,429.36	3/4		3/4		3/4		3/4		3/4	
8	2,606.21	8	2,817.52	8	3,029.10	8	3,240.68	8	3,430.22	8		8		8		8		8	
1/4	2,610.58	1/4	2,821.92	1/4	3,033.51	1/4	3,245.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,614.96	1/2	2,826.33	1/2	3,037.92	1/2	3,249.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,619.33	3/4	2,830.74	3/4	3,042.32	3/4	3,253.91	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,623.70	9	2,835.15	9	3,046.73	9	3,258.32	9		9		9		9		9		9	
1/4	2,628.08	1/4	2,839.56	1/4	3,051.14	1/4	3,262.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,632.45	1/2	2,843.96	1/2	3,055.55	1/2	3,267.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,636.82	3/4	2,848.37	3/4	3,059.96	3/4	3,271.54	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,641.20	10	2,852.78	10	3,064.36	10	3,275.95	10		10		10		10		10		10	
1/4	2,645.60	1/4	2,857.19	1/4	3,068.77	1/4	3,280.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,650.01	1/2	2,861.60	1/2	3,073.18	1/2	3,284.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,654.42	3/4	2,866.00	3/4	3,077.59	3/4	3,289.17	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,658.83	11	2,870.41	11	3,082.00	11	3,293.58	11		11		11		11		11		11	
1/4	2,663.24	1/4	2,874.82	1/4	3,086.40	1/4	3,297.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,667.64	1/2	2,879.23	1/2	3,090.81	1/2	3,302.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,672.05	3/4	2,883.64	3/4	3,095.22	3/4	3,306.80	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/17/2019 JS  
CALCULATED: 07/18/2019 CL  
PRINTED: 07/18/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.omacoro.net>



# BARGE "FMT 1400"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 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	0.73	0	240.47	0	514.78	0	785.67	0	1,056.57	0	1,330.89	0	1,605.21	0	1,879.53	0	2,153.85	0	2,428.17
1/4	1.68	1/4	246.18	1/4	520.49	1/4	791.21	1/4	1,062.28	1/4	1,336.60	1/4	1,610.92	1/4	1,885.24	1/4	2,159.56	1/4	2,433.88
1/2	2.63	1/2	251.90	1/2	526.21	1/2	796.76	1/2	1,068.00	1/2	1,342.32	1/2	1,616.64	1/2	1,890.96	1/2	2,165.28	1/2	2,439.60
3/4	3.58	3/4	257.61	3/4	531.92	3/4	802.30	3/4	1,073.71	3/4	1,348.03	3/4	1,622.35	3/4	1,896.67	3/4	2,170.99	3/4	2,445.31
1	4.53	1	263.33	1	537.64	1	807.84	1	1,079.43	1	1,353.75	1	1,628.07	1	1,902.39	1	2,176.71	1	2,451.03
1/4	7.39	1/4	269.04	1/4	543.35	1/4	813.39	1/4	1,085.14	1/4	1,359.46	1/4	1,633.78	1/4	1,908.10	1/4	2,182.42	1/4	2,456.74
1/2	10.25	1/2	274.76	1/2	549.07	1/2	818.93	1/2	1,090.86	1/2	1,365.18	1/2	1,639.50	1/2	1,913.82	1/2	2,188.14	1/2	2,462.46
3/4	13.10	3/4	280.47	3/4	554.78	3/4	824.47	3/4	1,096.57	3/4	1,370.89	3/4	1,645.21	3/4	1,919.53	3/4	2,193.85	3/4	2,468.17
2	15.96	2	286.19	2	560.50	2	830.01	2	1,102.29	2	1,376.61	2	1,650.93	2	1,925.25	2	2,199.57	2	2,473.89
1/4	20.72	1/4	291.90	1/4	566.21	1/4	835.56	1/4	1,108.00	1/4	1,382.32	1/4	1,656.64	1/4	1,930.96	1/4	2,205.28	1/4	2,479.60
1/2	25.48	1/2	297.62	1/2	571.93	1/2	841.10	1/2	1,113.72	1/2	1,388.04	1/2	1,662.36	1/2	1,936.68	1/2	2,211.00	1/2	2,485.32
3/4	30.24	3/4	303.33	3/4	577.64	3/4	846.64	3/4	1,119.43	3/4	1,393.75	3/4	1,668.07	3/4	1,942.39	3/4	2,216.71	3/4	2,491.03
3	35.00	3	309.05	3	583.36	3	852.19	3	1,125.15	3	1,399.47	3	1,673.79	3	1,948.11	3	2,222.43	3	2,496.75
1/4	40.66	1/4	314.76	1/4	589.07	1/4	857.73	1/4	1,130.86	1/4	1,405.18	1/4	1,679.50	1/4	1,953.82	1/4	2,228.14	1/4	2,502.46
1/2	46.33	1/2	320.48	1/2	594.79	1/2	863.27	1/2	1,136.58	1/2	1,410.90	1/2	1,685.22	1/2	1,959.54	1/2	2,233.86	1/2	2,508.18
3/4	52.00	3/4	326.19	3/4	600.50	3/4	868.81	3/4	1,142.29	3/4	1,416.61	3/4	1,690.93	3/4	1,965.25	3/4	2,239.57	3/4	2,513.89
4	57.66	4	331.91	4	606.22	4	874.36	4	1,148.01	4	1,422.33	4	1,696.65	4	1,970.97	4	2,245.29	4	2,519.61
1/4	63.36	1/4	337.62	1/4	611.93	1/4	879.91	1/4	1,153.72	1/4	1,428.04	1/4	1,702.36	1/4	1,976.68	1/4	2,251.00	1/4	2,525.32
1/2	69.06	1/2	343.34	1/2	617.65	1/2	885.45	1/2	1,159.44	1/2	1,433.76	1/2	1,708.08	1/2	1,982.40	1/2	2,256.72	1/2	2,531.04
3/4	74.76	3/4	349.05	3/4	623.36	3/4	891.00	3/4	1,165.15	3/4	1,439.47	3/4	1,713.79	3/4	1,988.11	3/4	2,262.43	3/4	2,536.75
5	80.46	5	354.77	5	629.08	5	896.55	5	1,170.87	5	1,445.19	5	1,719.51	5	1,993.83	5	2,268.15	5	2,542.47
1/4	86.18	1/4	360.48	1/4	634.79	1/4	902.26	1/4	1,176.58	1/4	1,450.90	1/4	1,725.22	1/4	1,999.54	1/4	2,273.86	1/4	2,548.18
1/2	91.89	1/2	366.19	1/2	640.51	1/2	907.98	1/2	1,182.30	1/2	1,456.62	1/2	1,730.94	1/2	2,005.26	1/2	2,279.58	1/2	2,553.90
3/4	97.60	3/4	371.91	3/4	646.22	3/4	913.69	3/4	1,188.01	3/4	1,462.33	3/4	1,736.65	3/4	2,010.97	3/4	2,285.29	3/4	2,559.61
6	103.31	6	377.62	6	651.93	6	919.41	6	1,193.73	6	1,468.05	6	1,742.37	6	2,016.69	6	2,291.01	6	2,565.33
1/4	109.03	1/4	383.34	1/4	657.65	1/4	925.12	1/4	1,199.44	1/4	1,473.76	1/4	1,748.08	1/4	2,022.40	1/4	2,296.72	1/4	2,571.04
1/2	114.74	1/2	389.05	1/2	663.36	1/2	930.84	1/2	1,205.16	1/2	1,479.48	1/2	1,753.80	1/2	2,028.12	1/2	2,302.44	1/2	2,576.76
3/4	120.46	3/4	394.77	3/4	669.08	3/4	936.55	3/4	1,210.87	3/4	1,485.19	3/4	1,759.51	3/4	2,033.83	3/4	2,308.15	3/4	2,582.47
7	126.17	7	400.48	7	674.79	7	942.27	7	1,216.59	7	1,490.91	7	1,765.23	7	2,039.55	7	2,313.87	7	2,588.19
1/4	131.89	1/4	406.20	1/4	680.34	1/4	947.98	1/4	1,222.30	1/4	1,496.62	1/4	1,770.94	1/4	2,045.26	1/4	2,319.58	1/4	2,593.90
1/2	137.60	1/2	411.91	1/2	685.89	1/2	953.70	1/2	1,228.02	1/2	1,502.34	1/2	1,776.66	1/2	2,050.98	1/2	2,325.30	1/2	2,599.62
3/4	143.32	3/4	417.63	3/4	691.44	3/4	959.41	3/4	1,233.73	3/4	1,508.05	3/4	1,782.37	3/4	2,056.69	3/4	2,331.01	3/4	2,605.33
8	149.03	8	423.34	8	696.98	8	965.13	8	1,239.45	8	1,513.77	8	1,788.09	8	2,062.41	8	2,336.73	8	2,611.05
1/4	154.75	1/4	429.06	1/4	702.53	1/4	970.84	1/4	1,245.16	1/4	1,519.48	1/4	1,793.80	1/4	2,068.12	1/4	2,342.44	1/4	2,616.76
1/2	160.46	1/2	434.77	1/2	708.07	1/2	976.56	1/2	1,250.88	1/2	1,525.20	1/2	1,799.52	1/2	2,073.84	1/2	2,348.16	1/2	2,622.48
3/4	166.18	3/4	440.49	3/4	713.61	3/4	982.27	3/4	1,256.59	3/4	1,530.91	3/4	1,805.23	3/4	2,079.55	3/4	2,353.87	3/4	2,628.19
9	171.89	9	446.20	9	719.16	9	987.99	9	1,262.31	9	1,536.63	9	1,810.95	9	2,085.27	9	2,359.59	9	2,633.91
1/4	177.61	1/4	451.92	1/4	724.70	1/4	993.70	1/4	1,268.02	1/4	1,542.34	1/4	1,816.66	1/4	2,090.98	1/4	2,365.30	1/4	2,639.62
1/2	183.32	1/2	457.63	1/2	730.24	1/2	999.42	1/2	1,273.74	1/2	1,548.06	1/2	1,822.38	1/2	2,096.70	1/2	2,371.02	1/2	2,645.34
3/4	189.04	3/4	463.35	3/4	735.78	3/4	1,005.13	3/4	1,279.45	3/4	1,553.77	3/4	1,828.09	3/4	2,102.41	3/4	2,376.73	3/4	2,651.05
10	194.75	10	469.06	10	741.33	10	1,010.85	10	1,285.17	10	1,559.49	10	1,833.81	10	2,108.13	10	2,382.45	10	2,656.77
1/4	200.47	1/4	474.78	1/4	746.87	1/4	1,016.56	1/4	1,290.88	1/4	1,565.20	1/4	1,839.52	1/4	2,113.84	1/4	2,388.16	1/4	2,662.48
1/2	206.18	1/2	480.49	1/2	752.41	1/2	1,022.28	1/2	1,296.60	1/2	1,570.92	1/2	1,845.24	1/2	2,119.56	1/2	2,393.88	1/2	2,668.20
3/4	211.90	3/4	486.21	3/4	757.96	3/4	1,027.99	3/4	1,302.31	3/4	1,576.63	3/4	1,850.95	3/4	2,125.27	3/4	2,399.59	3/4	2,673.91
11	217.61	11	491.92	11	763.50	11	1,033.71	11	1,308.03	11	1,582.35	11	1,856.67	11	2,130.99	11	2,405.31	11	2,679.63
1/4	223.32	1/4	497.64	1/4	769.04	1/4	1,039.42	1/4	1,313.74	1/4	1,588.06	1/4	1,862.38	1/4	2,136.70	1/4	2,411.02	1/4	2,685.34
1/2	229.04	1/2	503.35	1/2	774.59	1/2	1,045.14	1/2	1,319.46	1/2	1,593.78	1/2	1,868.10	1/2	2,142.42	1/2	2,416.74	1/2	2,691.06
3/4	234.75	3/4	509.06	3/4	780.13	3/4	1,050.85	3/4	1,325.17	3/4	1,599.49	3/4	1,873.81	3/4	2,148.13	3/4	2,422.45	3/4	2,696.77

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 OF 2" HERMETIC VALVE.  
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "FMT 1400"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 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	2,702.49	0	2,976.81	0	3,251.13	0	3,525.45	0	3,799.77	0		0		0		0		0	
1/4	2,708.20	1/4	2,982.52	1/4	3,256.84	1/4	3,531.16	1/4	3,805.48	1/4		1/4		1/4		1/4		1/4	
1/2	2,713.92	1/2	2,988.24	1/2	3,262.56	1/2	3,536.88	1/2	3,811.20	1/2		1/2		1/2		1/2		1/2	
3/4	2,719.63	3/4	2,993.95	3/4	3,268.27	3/4	3,542.59	3/4	3,816.91	3/4		3/4		3/4		3/4		3/4	
1	2,725.35	1	2,999.67	1	3,273.99	1	3,548.31	1	3,822.63	1		1		1		1		1	
1/4	2,731.06	1/4	3,005.38	1/4	3,279.70	1/4	3,554.02	1/4	3,828.34	1/4		1/4		1/4		1/4		1/4	
1/2	2,736.78	1/2	3,011.10	1/2	3,285.42	1/2	3,559.74	1/2	3,834.06	1/2		1/2		1/2		1/2		1/2	
3/4	2,742.49	3/4	3,016.81	3/4	3,291.13	3/4	3,565.45	3/4	3,839.77	3/4		3/4		3/4		3/4		3/4	
2	2,748.21	2	3,022.53	2	3,296.85	2	3,571.17	2	3,845.49	2		2		2		2		2	
1/4	2,753.92	1/4	3,028.24	1/4	3,302.56	1/4	3,576.88	1/4	3,851.20	1/4		1/4		1/4		1/4		1/4	
1/2	2,759.64	1/2	3,033.96	1/2	3,308.28	1/2	3,582.60	1/2	3,856.91	1/2		1/2		1/2		1/2		1/2	
3/4	2,765.35	3/4	3,039.67	3/4	3,313.99	3/4	3,588.31	3/4	3,862.63	3/4		3/4		3/4		3/4		3/4	
3	2,771.07	3	3,045.39	3	3,319.71	3	3,594.03	3	3,868.34	3		3		3		3		3	
1/4	2,776.78	1/4	3,051.10	1/4	3,325.42	1/4	3,599.74	1/4	3,874.04	1/4		1/4		1/4		1/4		1/4	
1/2	2,782.50	1/2	3,056.82	1/2	3,331.14	1/2	3,605.46	1/2	3,879.74	1/2		1/2		1/2		1/2		1/2	
3/4	2,788.21	3/4	3,062.53	3/4	3,336.85	3/4	3,611.17	3/4	3,885.44	3/4		3/4		3/4		3/4		3/4	
4	2,793.93	4	3,068.25	4	3,342.57	4	3,616.89	4	3,891.14	4		4		4		4		4	
1/4	2,799.64	1/4	3,073.96	1/4	3,348.28	1/4	3,622.60	1/4	3,896.81	1/4		1/4		1/4		1/4		1/4	
1/2	2,805.36	1/2	3,079.68	1/2	3,354.00	1/2	3,628.32	1/2	3,902.47	1/2		1/2		1/2		1/2		1/2	
3/4	2,811.07	3/4	3,085.39	3/4	3,359.71	3/4	3,634.03	3/4	3,908.14	3/4		3/4		3/4		3/4		3/4	
5	2,816.79	5	3,091.11	5	3,365.43	5	3,639.75	5	3,913.80	5		5		5		5		5	
1/4	2,822.50	1/4	3,096.82	1/4	3,371.14	1/4	3,645.46	1/4	3,918.56	1/4		1/4		1/4		1/4		1/4	
1/2	2,828.22	1/2	3,102.54	1/2	3,376.86	1/2	3,651.18	1/2	3,923.32	1/2		1/2		1/2		1/2		1/2	
3/4	2,833.93	3/4	3,108.25	3/4	3,382.57	3/4	3,656.89	3/4	3,928.08	3/4		3/4		3/4		3/4		3/4	
6	2,839.65	6	3,113.97	6	3,388.29	6	3,662.61	6	3,932.84	6		6		6		6		6	
1/4	2,845.36	1/4	3,119.68	1/4	3,394.00	1/4	3,668.32	1/4	3,935.70	1/4		1/4		1/4		1/4		1/4	
1/2	2,851.08	1/2	3,125.40	1/2	3,399.72	1/2	3,674.04	1/2	3,938.56	1/2		1/2		1/2		1/2		1/2	
3/4	2,856.79	3/4	3,131.11	3/4	3,405.43	3/4	3,679.75	3/4	3,941.41	3/4		3/4		3/4		3/4		3/4	
7	2,862.51	7	3,136.83	7	3,411.15	7	3,685.47	7	3,944.27	7		7		7		7		7	
1/4	2,868.22	1/4	3,142.54	1/4	3,416.86	1/4	3,691.18	1/4	3,945.22	1/4		1/4		1/4		1/4		1/4	
1/2	2,873.94	1/2	3,148.26	1/2	3,422.58	1/2	3,696.90	1/2	3,946.17	1/2		1/2		1/2		1/2		1/2	
3/4	2,879.65	3/4	3,153.97	3/4	3,428.29	3/4	3,702.61	3/4	3,947.12	3/4		3/4		3/4		3/4		3/4	
8	2,885.37	8	3,159.69	8	3,434.01	8	3,708.33	8	3,948.08	8		8		8		8		8	
1/4	2,891.08	1/4	3,165.40	1/4	3,439.72	1/4	3,714.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,896.80	1/2	3,171.12	1/2	3,445.44	1/2	3,719.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,902.51	3/4	3,176.83	3/4	3,451.15	3/4	3,725.47	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,908.23	9	3,182.55	9	3,456.87	9	3,731.19	9		9		9		9		9		9	
1/4	2,913.94	1/4	3,188.26	1/4	3,462.58	1/4	3,736.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,919.66	1/2	3,193.98	1/2	3,468.30	1/2	3,742.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,925.37	3/4	3,199.69	3/4	3,474.01	3/4	3,748.33	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,931.09	10	3,205.41	10	3,479.73	10	3,754.05	10		10		10		10		10		10	
1/4	2,936.80	1/4	3,211.12	1/4	3,485.44	1/4	3,759.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,942.52	1/2	3,216.84	1/2	3,491.16	1/2	3,765.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,948.23	3/4	3,222.55	3/4	3,496.87	3/4	3,771.19	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,953.95	11	3,228.27	11	3,502.59	11	3,776.91	11		11		11		11		11		11	
1/4	2,959.66	1/4	3,233.98	1/4	3,508.30	1/4	3,782.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,965.38	1/2	3,239.70	1/2	3,514.02	1/2	3,788.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,971.09	3/4	3,245.41	3/4	3,519.73	3/4	3,794.05	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/17/2019 JS  
CALCULATED: 07/18/2019 CL  
PRINTED: 07/18/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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<http://www.omacoro.net>



# BARGE "FMT 1400"

# 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/8"

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	0.73	0	215.17	0	460.54	0	705.66	0	950.78	0	1,196.15	0	1,441.53	0	1,686.90	0	1,932.27	0	2,177.64
1/4	1.58	1/4	220.28	1/4	465.65	1/4	710.76	1/4	955.90	1/4	1,201.27	1/4	1,446.64	1/4	1,692.01	1/4	1,937.38	1/4	2,182.75
1/2	2.43	1/2	225.40	1/2	470.76	1/2	715.86	1/2	961.01	1/2	1,206.38	1/2	1,451.75	1/2	1,697.12	1/2	1,942.49	1/2	2,187.86
3/4	3.28	3/4	230.51	3/4	475.87	3/4	720.95	3/4	966.12	3/4	1,211.49	3/4	1,456.86	3/4	1,702.23	3/4	1,947.60	3/4	2,192.98
1	4.13	1	235.62	1	480.99	1	726.05	1	971.23	1	1,216.60	1	1,461.97	1	1,707.34	1	1,952.72	1	2,198.09
1/4	6.69	1/4	240.73	1/4	486.10	1/4	731.15	1/4	976.34	1/4	1,221.71	1/4	1,467.09	1/4	1,712.46	1/4	1,957.83	1/4	2,203.20
1/2	9.24	1/2	245.84	1/2	491.21	1/2	736.25	1/2	981.45	1/2	1,226.83	1/2	1,472.20	1/2	1,717.57	1/2	1,962.94	1/2	2,208.31
3/4	11.80	3/4	250.95	3/4	496.32	3/4	741.35	3/4	986.57	3/4	1,231.94	3/4	1,477.31	3/4	1,722.68	3/4	1,968.05	3/4	2,213.42
2	14.35	2	256.07	2	501.43	2	746.45	2	991.68	2	1,237.05	2	1,482.42	2	1,727.79	2	1,973.16	2	2,218.53
1/4	18.61	1/4	261.18	1/4	506.54	1/4	751.55	1/4	996.79	1/4	1,242.16	1/4	1,487.53	1/4	1,732.90	1/4	1,978.28	1/4	2,223.65
1/2	22.87	1/2	266.29	1/2	511.66	1/2	756.65	1/2	1,001.90	1/2	1,247.27	1/2	1,492.64	1/2	1,738.02	1/2	1,983.39	1/2	2,228.76
3/4	27.12	3/4	271.40	3/4	516.77	3/4	761.74	3/4	1,007.01	3/4	1,252.39	3/4	1,497.76	3/4	1,743.13	3/4	1,988.50	3/4	2,233.87
3	31.38	3	276.51	3	521.88	3	766.84	3	1,012.13	3	1,257.50	3	1,502.87	3	1,748.24	3	1,993.61	3	2,238.98
1/4	36.45	1/4	281.62	1/4	526.99	1/4	771.94	1/4	1,017.24	1/4	1,262.61	1/4	1,507.98	1/4	1,753.35	1/4	1,998.72	1/4	2,244.09
1/2	41.52	1/2	286.74	1/2	532.10	1/2	777.04	1/2	1,022.35	1/2	1,267.72	1/2	1,513.09	1/2	1,758.46	1/2	2,003.83	1/2	2,249.21
3/4	46.58	3/4	291.85	3/4	537.21	3/4	782.14	3/4	1,027.46	3/4	1,272.83	3/4	1,518.20	3/4	1,763.58	3/4	2,008.95	3/4	2,254.32
4	51.65	4	296.96	4	542.33	4	787.24	4	1,032.57	4	1,277.95	4	1,523.32	4	1,768.69	4	2,014.06	4	2,259.43
1/4	56.75	1/4	302.07	1/4	547.44	1/4	792.34	1/4	1,037.69	1/4	1,283.06	1/4	1,528.43	1/4	1,773.80	1/4	2,019.17	1/4	2,264.54
1/2	61.85	1/2	307.18	1/2	552.55	1/2	797.44	1/2	1,042.80	1/2	1,288.17	1/2	1,533.54	1/2	1,778.91	1/2	2,024.28	1/2	2,269.65
3/4	66.95	3/4	312.30	3/4	557.66	3/4	802.55	3/4	1,047.91	3/4	1,293.28	3/4	1,538.65	3/4	1,784.02	3/4	2,029.39	3/4	2,274.77
5	72.05	5	317.41	5	562.77	5	807.65	5	1,053.02	5	1,298.39	5	1,543.76	5	1,789.14	5	2,034.51	5	2,279.88
1/4	77.16	1/4	322.52	1/4	567.89	1/4	812.76	1/4	1,058.13	1/4	1,303.50	1/4	1,548.88	1/4	1,794.25	1/4	2,039.62	1/4	2,284.99
1/2	82.27	1/2	327.63	1/2	573.00	1/2	817.87	1/2	1,063.25	1/2	1,308.62	1/2	1,553.99	1/2	1,799.36	1/2	2,044.73	1/2	2,290.10
3/4	87.38	3/4	332.74	3/4	578.11	3/4	822.99	3/4	1,068.36	3/4	1,313.73	3/4	1,559.10	3/4	1,804.47	3/4	2,049.84	3/4	2,295.21
6	92.49	6	337.85	6	583.22	6	828.10	6	1,073.47	6	1,318.84	6	1,564.21	6	1,809.58	6	2,054.95	6	2,300.33
1/4	97.60	1/4	342.97	1/4	588.33	1/4	833.21	1/4	1,078.58	1/4	1,323.95	1/4	1,569.32	1/4	1,814.69	1/4	2,060.07	1/4	2,305.44
1/2	102.71	1/2	348.08	1/2	593.44	1/2	838.32	1/2	1,083.69	1/2	1,329.06	1/2	1,574.44	1/2	1,819.81	1/2	2,065.18	1/2	2,310.55
3/4	107.82	3/4	353.19	3/4	598.56	3/4	843.43	3/4	1,088.80	3/4	1,334.18	3/4	1,579.55	3/4	1,824.92	3/4	2,070.29	3/4	2,315.66
7	112.94	7	358.30	7	603.67	7	848.55	7	1,093.92	7	1,339.29	7	1,584.66	7	1,830.03	7	2,075.40	7	2,320.77
1/4	118.05	1/4	363.41	1/4	608.77	1/4	853.66	1/4	1,099.03	1/4	1,344.40	1/4	1,589.77	1/4	1,835.14	1/4	2,080.51	1/4	2,325.88
1/2	123.16	1/2	368.53	1/2	613.87	1/2	858.77	1/2	1,104.14	1/2	1,349.51	1/2	1,594.88	1/2	1,840.25	1/2	2,085.63	1/2	2,331.00
3/4	128.27	3/4	373.64	3/4	618.97	3/4	863.88	3/4	1,109.25	3/4	1,354.62	3/4	1,599.99	3/4	1,845.37	3/4	2,090.74	3/4	2,336.11
8	133.38	8	378.75	8	624.08	8	868.99	8	1,114.36	8	1,359.74	8	1,605.11	8	1,850.48	8	2,095.85	8	2,341.22
1/4	138.49	1/4	383.86	1/4	629.18	1/4	874.11	1/4	1,119.48	1/4	1,364.85	1/4	1,610.22	1/4	1,855.59	1/4	2,100.96	1/4	2,346.33
1/2	143.61	1/2	388.97	1/2	634.27	1/2	879.22	1/2	1,124.59	1/2	1,369.96	1/2	1,615.33	1/2	1,860.70	1/2	2,106.07	1/2	2,351.44
3/4	148.72	3/4	394.08	3/4	639.37	3/4	884.33	3/4	1,129.70	3/4	1,375.07	3/4	1,620.44	3/4	1,865.81	3/4	2,111.18	3/4	2,356.56
9	153.83	9	399.20	9	644.47	9	889.44	9	1,134.81	9	1,380.18	9	1,625.55	9	1,870.93	9	2,116.30	9	2,361.67
1/4	158.94	1/4	404.31	1/4	649.57	1/4	894.55	1/4	1,139.92	1/4	1,385.30	1/4	1,630.67	1/4	1,876.04	1/4	2,121.41	1/4	2,366.78
1/2	164.05	1/2	409.42	1/2	654.67	1/2	899.66	1/2	1,145.04	1/2	1,390.41	1/2	1,635.78	1/2	1,881.15	1/2	2,126.52	1/2	2,371.89
3/4	169.17	3/4	414.53	3/4	659.77	3/4	904.78	3/4	1,150.15	3/4	1,395.52	3/4	1,640.89	3/4	1,886.26	3/4	2,131.63	3/4	2,377.00
10	174.28	10	419.64	10	664.87	10	909.89	10	1,155.26	10	1,400.63	10	1,646.00	10	1,891.37	10	2,136.74	10	2,382.12
1/4	179.39	1/4	424.76	1/4	669.97	1/4	915.00	1/4	1,160.37	1/4	1,405.74	1/4	1,651.11	1/4	1,896.49	1/4	2,141.86	1/4	2,387.23
1/2	184.50	1/2	429.87	1/2	675.06	1/2	920.11	1/2	1,165.48	1/2	1,410.85	1/2	1,656.23	1/2	1,901.60	1/2	2,146.97	1/2	2,392.34
3/4	189.61	3/4	434.98	3/4	680.16	3/4	925.22	3/4	1,170.60	3/4	1,415.97	3/4	1,661.34	3/4	1,906.71	3/4	2,152.08	3/4	2,397.45
11	194.72	11	440.09	11	685.26	11	930.34	11	1,175.71	11	1,421.08	11	1,666.45	11	1,911.82	11	2,157.19	11	2,402.56
1/4	199.84	1/4	445.20	1/4	690.36	1/4	935.45	1/4	1,180.82	1/4	1,426.19	1/4	1,671.56	1/4	1,916.93	1/4	2,162.30	1/4	2,407.68
1/2	204.95	1/2	450.31	1/2	695.46	1/2	940.56	1/2	1,185.93	1/2	1,431.30	1/2	1,676.67	1/2	1,922.04	1/2	2,167.42	1/2	2,412.79
3/4	210.06	3/4	455.43	3/4	700.56	3/4	945.67	3/4	1,191.04	3/4	1,436.41	3/4	1,681.79	3/4	1,927.16	3/4	2,172.53	3/4	2,417.90

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 OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "FMT 1400"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/8"

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	2,423.01	0	2,668.38	0	2,913.75	0	3,159.12	0	3,404.50	0		0		0		0		0	
1/4	2,428.12	1/4	2,673.49	1/4	2,918.87	1/4	3,164.24	1/4	3,409.61	1/4		1/4		1/4		1/4		1/4	
1/2	2,433.23	1/2	2,678.61	1/2	2,923.98	1/2	3,169.35	1/2	3,414.72	1/2		1/2		1/2		1/2		1/2	
3/4	2,438.35	3/4	2,683.72	3/4	2,929.09	3/4	3,174.46	3/4	3,419.83	3/4		3/4		3/4		3/4		3/4	
1	2,443.46	1	2,688.83	1	2,934.20	1	3,179.57	1	3,424.94	1		1		1		1		1	
1/4	2,448.57	1/4	2,693.94	1/4	2,939.31	1/4	3,184.68	1/4	3,430.05	1/4		1/4		1/4		1/4		1/4	
1/2	2,453.68	1/2	2,699.05	1/2	2,944.42	1/2	3,189.80	1/2	3,435.17	1/2		1/2		1/2		1/2		1/2	
3/4	2,458.79	3/4	2,704.17	3/4	2,949.54	3/4	3,194.91	3/4	3,440.28	3/4		3/4		3/4		3/4		3/4	
2	2,463.91	2	2,709.28	2	2,954.65	2	3,200.02	2	3,445.39	2		2		2		2		2	
1/4	2,469.02	1/4	2,714.39	1/4	2,959.76	1/4	3,205.13	1/4	3,450.51	1/4		1/4		1/4		1/4		1/4	
1/2	2,474.13	1/2	2,719.50	1/2	2,964.87	1/2	3,210.24	1/2	3,455.63	1/2		1/2		1/2		1/2		1/2	
3/4	2,479.24	3/4	2,724.61	3/4	2,969.98	3/4	3,215.36	3/4	3,460.74	3/4		3/4		3/4		3/4		3/4	
3	2,484.35	3	2,729.72	3	2,975.10	3	3,220.47	3	3,465.86	3		3		3		3		3	
1/4	2,489.47	1/4	2,734.84	1/4	2,980.21	1/4	3,225.58	1/4	3,470.96	1/4		1/4		1/4		1/4		1/4	
1/2	2,494.58	1/2	2,739.95	1/2	2,985.32	1/2	3,230.69	1/2	3,476.06	1/2		1/2		1/2		1/2		1/2	
3/4	2,499.69	3/4	2,745.06	3/4	2,990.43	3/4	3,235.80	3/4	3,481.16	3/4		3/4		3/4		3/4		3/4	
4	2,504.80	4	2,750.17	4	2,995.54	4	3,240.91	4	3,486.26	4		4		4		4		4	
1/4	2,509.91	1/4	2,755.28	1/4	3,000.66	1/4	3,246.03	1/4	3,491.32	1/4		1/4		1/4		1/4		1/4	
1/2	2,515.02	1/2	2,760.40	1/2	3,005.77	1/2	3,251.14	1/2	3,496.39	1/2		1/2		1/2		1/2		1/2	
3/4	2,520.14	3/4	2,765.51	3/4	3,010.88	3/4	3,256.25	3/4	3,501.46	3/4		3/4		3/4		3/4		3/4	
5	2,525.25	5	2,770.62	5	3,015.99	5	3,261.36	5	3,506.53	5		5		5		5		5	
1/4	2,530.36	1/4	2,775.73	1/4	3,021.10	1/4	3,266.47	1/4	3,511.78	1/4		1/4		1/4		1/4		1/4	
1/2	2,535.47	1/2	2,780.84	1/2	3,026.21	1/2	3,271.59	1/2	3,515.04	1/2		1/2		1/2		1/2		1/2	
3/4	2,540.58	3/4	2,785.96	3/4	3,031.33	3/4	3,276.70	3/4	3,519.30	3/4		3/4		3/4		3/4		3/4	
6	2,545.70	6	2,791.07	6	3,036.44	6	3,281.81	6	3,523.56	6		6		6		6		6	
1/4	2,550.81	1/4	2,796.18	1/4	3,041.55	1/4	3,286.92	1/4	3,526.11	1/4		1/4		1/4		1/4		1/4	
1/2	2,555.92	1/2	2,801.29	1/2	3,046.66	1/2	3,292.03	1/2	3,528.67	1/2		1/2		1/2		1/2		1/2	
3/4	2,561.03	3/4	2,806.40	3/4	3,051.77	3/4	3,297.15	3/4	3,531.22	3/4		3/4		3/4		3/4		3/4	
7	2,566.14	7	2,811.52	7	3,056.89	7	3,302.26	7	3,533.78	7		7		7		7		7	
1/4	2,571.26	1/4	2,816.63	1/4	3,062.00	1/4	3,307.37	1/4	3,534.63	1/4		1/4		1/4		1/4		1/4	
1/2	2,576.37	1/2	2,821.74	1/2	3,067.11	1/2	3,312.48	1/2	3,535.48	1/2		1/2		1/2		1/2		1/2	
3/4	2,581.48	3/4	2,826.85	3/4	3,072.22	3/4	3,317.59	3/4	3,536.33	3/4		3/4		3/4		3/4		3/4	
8	2,586.59	8	2,831.96	8	3,077.33	8	3,322.71	8	3,537.18	8		8		8		8		8	
1/4	2,591.70	1/4	2,837.07	1/4	3,082.45	1/4	3,327.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,596.82	1/2	2,842.19	1/2	3,087.56	1/2	3,332.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,601.93	3/4	2,847.30	3/4	3,092.67	3/4	3,338.04	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,607.04	9	2,852.41	9	3,097.78	9	3,343.15	9		9		9		9		9		9	
1/4	2,612.15	1/4	2,857.52	1/4	3,102.89	1/4	3,348.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,617.26	1/2	2,862.63	1/2	3,108.01	1/2	3,353.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,622.37	3/4	2,867.75	3/4	3,113.12	3/4	3,358.49	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,627.49	10	2,872.86	10	3,118.23	10	3,363.60	10		10		10		10		10		10	
1/4	2,632.60	1/4	2,877.97	1/4	3,123.34	1/4	3,368.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,637.71	1/2	2,883.08	1/2	3,128.45	1/2	3,373.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,642.82	3/4	2,888.19	3/4	3,133.56	3/4	3,378.94	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,647.93	11	2,893.31	11	3,138.68	11	3,384.05	11		11		11		11		11		11	
1/4	2,653.05	1/4	2,898.42	1/4	3,143.79	1/4	3,389.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,658.16	1/2	2,903.53	1/2	3,148.90	1/2	3,394.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,663.27	3/4	2,908.64	3/4	3,154.01	3/4	3,399.38	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/17/2019 JS  
CALCULATED: 07/18/2019 CL  
PRINTED: 07/18/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE: FMT 1400

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
2 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
3 CENTER	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/8	01-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

LENGTH BETWEEN DRAFT MARKS: 163'-09"

July 16, 2019

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 00-1/2"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/2"





# BARGE "FMT 1400"

# 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,253.91	0	3,042.32	0	2,830.74	0	2,619.33	0	2,380.36	0	2,132.38	0	1,884.45	0	1,637.06
1/4		1/4		1/4	3,249.50	1/4	3,037.92	1/4	2,826.33	1/4	2,614.96	1/4	2,375.20	1/4	2,127.21	1/4	1,879.30	1/4	1,631.89
1/2		1/2		1/2	3,245.09	1/2	3,033.51	1/2	2,821.92	1/2	2,610.58	1/2	2,370.04	1/2	2,122.05	1/2	1,874.15	1/2	1,626.73
3/4		3/4		3/4	3,430.22	3/4	3,240.68	3/4	3,029.10	3/4	2,817.52	3/4	2,606.21	3/4	2,364.88	3/4	2,116.88	3/4	1,869.00
1		1		1	3,429.36	1	3,236.28	1	3,024.69	1	2,813.11	1	2,601.84	1	2,359.71	1	2,111.71	1	1,863.85
1/4		1/4		1/4	3,428.50	1/4	3,231.87	1/4	3,020.28	1/4	2,808.70	1/4	2,597.46	1/4	2,354.55	1/4	2,106.55	1/4	1,858.70
1/2		1/2		1/2	3,427.63	1/2	3,227.46	1/2	3,015.88	1/2	2,804.29	1/2	2,593.09	1/2	2,349.39	1/2	2,101.38	1/2	1,853.55
3/4		3/4		3/4	3,426.77	3/4	3,223.05	3/4	3,011.47	3/4	2,799.88	3/4	2,588.71	3/4	2,344.23	3/4	2,096.21	3/4	1,848.40
2		2		2	3,424.18	2	3,218.64	2	3,007.06	2	2,795.48	2	2,584.34	2	2,339.06	2	2,091.05	2	1,843.25
1/4		1/4		1/4	3,421.59	1/4	3,214.24	1/4	3,002.65	1/4	2,791.07	1/4	2,579.97	1/4	2,333.89	1/4	2,085.88	1/4	1,838.10
1/2		1/2		1/2	3,419.00	1/2	3,209.83	1/2	2,998.24	1/2	2,786.66	1/2	2,575.59	1/2	2,328.73	1/2	2,080.71	1/2	1,832.95
3/4		3/4		3/4	3,416.41	3/4	3,205.42	3/4	2,993.84	3/4	2,782.25	3/4	2,571.22	3/4	2,323.56	3/4	2,075.54	3/4	1,827.80
3		3		3	3,412.10	3	3,201.01	3	2,989.43	3	2,777.84	3	2,566.07	3	2,318.39	3	2,070.38	3	1,822.65
1/4		1/4		1/4	3,407.78	1/4	3,196.60	1/4	2,985.02	1/4	2,773.44	1/4	2,562.93	1/4	2,313.23	1/4	2,065.21	1/4	1,817.50
1/2		1/2		1/2	3,403.46	1/2	3,192.20	1/2	2,980.61	1/2	2,769.03	1/2	2,555.78	1/2	2,308.06	1/2	2,060.04	1/2	1,812.35
3/4		3/4		3/4	3,399.15	3/4	3,187.79	3/4	2,976.20	3/4	2,764.62	3/4	2,550.64	3/4	2,302.89	3/4	2,054.88	3/4	1,807.20
4		4		4	3,394.79	4	3,183.38	4	2,971.80	4	2,760.21	4	2,545.49	4	2,297.73	4	2,049.71	4	1,802.05
1/4		1/4		1/4	3,390.42	1/4	3,178.97	1/4	2,967.39	1/4	2,755.80	1/4	2,540.34	1/4	2,292.56	1/4	2,044.54	1/4	1,796.90
1/2		1/2		1/2	3,386.06	1/2	3,174.56	1/2	2,962.98	1/2	2,751.40	1/2	2,535.20	1/2	2,287.39	1/2	2,039.38	1/2	1,791.75
3/4		3/4		3/4	3,381.70	3/4	3,170.16	3/4	2,958.57	3/4	2,746.99	3/4	2,530.05	3/4	2,282.22	3/4	2,034.21	3/4	1,786.60
5		5		5	3,377.30	5	3,165.75	5	2,954.16	5	2,742.58	5	2,524.89	5	2,277.06	5	2,029.04	5	1,781.45
1/4		1/4		1/4	3,372.91	1/4	3,161.34	1/4	2,949.76	1/4	2,738.17	1/4	2,519.73	1/4	2,271.89	1/4	2,023.87	1/4	1,776.30
1/2		1/2		1/2	3,368.51	1/2	3,156.93	1/2	2,945.35	1/2	2,733.76	1/2	2,514.56	1/2	2,266.72	1/2	2,018.71	1/2	1,771.15
3/4		3/4		3/4	3,364.12	3/4	3,152.52	3/4	2,940.94	3/4	2,729.36	3/4	2,509.40	3/4	2,261.56	3/4	2,013.54	3/4	1,766.00
6		6		6	3,359.71	6	3,148.12	6	2,936.53	6	2,724.95	6	2,504.24	6	2,256.39	6	2,008.37	6	1,760.85
1/4		1/4		1/4	3,355.30	1/4	3,143.71	1/4	2,932.12	1/4	2,720.54	1/4	2,499.08	1/4	2,251.22	1/4	2,003.21	1/4	1,755.70
1/2		1/2		1/2	3,350.89	1/2	3,139.30	1/2	2,927.72	1/2	2,716.13	1/2	2,493.92	1/2	2,246.06	1/2	1,998.04	1/2	1,750.55
3/4		3/4		3/4	3,346.48	3/4	3,134.89	3/4	2,923.31	3/4	2,711.72	3/4	2,488.76	3/4	2,240.89	3/4	1,992.87	3/4	1,745.40
7		7		7	3,342.07	7	3,130.48	7	2,918.90	7	2,707.32	7	2,483.59	7	2,235.72	7	1,987.71	7	1,740.25
1/4		1/4		1/4	3,337.66	1/4	3,126.08	1/4	2,914.49	1/4	2,702.91	1/4	2,478.43	1/4	2,230.55	1/4	1,982.54	1/4	1,735.10
1/2		1/2		1/2	3,333.25	1/2	3,121.67	1/2	2,910.08	1/2	2,698.50	1/2	2,473.27	1/2	2,225.39	1/2	1,977.37	1/2	1,729.95
3/4		3/4		3/4	3,328.84	3/4	3,117.26	3/4	2,905.68	3/4	2,694.09	3/4	2,468.11	3/4	2,220.22	3/4	1,972.20	3/4	1,724.80
8		8		8	3,324.44	8	3,112.85	8	2,901.27	8	2,689.68	8	2,462.95	8	2,215.05	8	1,967.04	8	1,719.65
1/4		1/4		1/4	3,320.03	1/4	3,108.44	1/4	2,896.86	1/4	2,685.28	1/4	2,457.79	1/4	2,209.89	1/4	1,961.87	1/4	1,714.50
1/2		1/2		1/2	3,315.62	1/2	3,104.04	1/2	2,892.45	1/2	2,680.87	1/2	2,452.62	1/2	2,204.72	1/2	1,956.70	1/2	1,709.35
3/4		3/4		3/4	3,311.21	3/4	3,099.63	3/4	2,888.04	3/4	2,676.46	3/4	2,447.46	3/4	2,199.55	3/4	1,951.54	3/4	1,704.20
9		9		9	3,306.80	9	3,095.22	9	2,883.64	9	2,672.05	9	2,442.30	9	2,194.39	9	1,946.37	9	1,699.03
1/4		1/4		1/4	3,302.40	1/4	3,090.81	1/4	2,879.23	1/4	2,667.64	1/4	2,437.14	1/4	2,189.22	1/4	1,941.20	1/4	1,693.87
1/2		1/2		1/2	3,297.99	1/2	3,086.40	1/2	2,874.82	1/2	2,663.24	1/2	2,431.98	1/2	2,184.05	1/2	1,936.04	1/2	1,688.70
3/4		3/4		3/4	3,293.58	3/4	3,082.00	3/4	2,870.41	3/4	2,658.83	3/4	2,426.82	3/4	2,178.88	3/4	1,930.87	3/4	1,683.54
10		10		10	3,289.17	10	3,077.59	10	2,866.00	10	2,654.42	10	2,421.65	10	2,173.72	10	1,925.70	10	1,678.37
1/4		1/4		1/4	3,284.76	1/4	3,073.18	1/4	2,861.60	1/4	2,650.01	1/4	2,416.49	1/4	2,168.55	1/4	1,920.53	1/4	1,673.21
1/2		1/2		1/2	3,280.36	1/2	3,068.77	1/2	2,857.19	1/2	2,645.60	1/2	2,411.33	1/2	2,163.38	1/2	1,915.37	1/2	1,668.04
3/4		3/4		3/4	3,275.95	3/4	3,064.36	3/4	2,852.78	3/4	2,641.20	3/4	2,406.17	3/4	2,158.22	3/4	1,910.20	3/4	1,662.88
11		11		11	3,271.54	11	3,059.96	11	2,848.37	11	2,636.82	11	2,401.01	11	2,153.05	11	1,905.05	11	1,657.72
1/4		1/4		1/4	3,267.13	1/4	3,055.55	1/4	2,843.96	1/4	2,632.45	1/4	2,395.85	1/4	2,147.88	1/4	1,899.90	1/4	1,652.55
1/2		1/2		1/2	3,262.72	1/2	3,051.14	1/2	2,839.56	1/2	2,628.08	1/2	2,390.68	1/2	2,142.72	1/2	1,894.75	1/2	1,647.39
3/4		3/4		3/4	3,258.32	3/4	3,046.73	3/4	2,835.15	3/4	2,623.70	3/4	2,385.52	3/4	2,137.55	3/4	1,889.60	3/4	1,642.22

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 OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "FMT 1400"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	1,389.21	0	1,141.26	0	893.31	0	650.31	0	402.78	0	154.08	0		0		0		0	
1/4	1,384.04	1/4	1,136.09	1/4	888.14	1/4	645.29	1/4	397.60	1/4	148.90	1/4		1/4		1/4		1/4	
1/2	1,378.87	1/2	1,130.93	1/2	882.98	1/2	640.27	1/2	392.42	1/2	143.72	1/2		1/2		1/2		1/2	
3/4	1,373.71	3/4	1,125.76	3/4	877.81	3/4	635.24	3/4	387.24	3/4	138.54	3/4		3/4		3/4		3/4	
1	1,368.54	1	1,120.59	1	872.65	1	630.22	1	382.06	1	133.35	1		1		1		1	
1/4	1,363.38	1/4	1,115.43	1/4	867.48	1/4	625.20	1/4	376.88	1/4	128.17	1/4		1/4		1/4		1/4	
1/2	1,358.21	1/2	1,110.26	1/2	862.31	1/2	620.17	1/2	371.69	1/2	122.99	1/2		1/2		1/2		1/2	
3/4	1,353.05	3/4	1,105.10	3/4	857.15	3/4	615.15	3/4	366.51	3/4	117.81	3/4		3/4		3/4		3/4	
2	1,347.88	2	1,099.93	2	851.98	2	609.97	2	361.33	2	112.63	2		2		2		2	
1/4	1,342.72	1/4	1,094.77	1/4	846.82	1/4	604.80	1/4	356.15	1/4	107.45	1/4		1/4		1/4		1/4	
1/2	1,337.55	1/2	1,089.60	1/2	841.65	1/2	599.63	1/2	350.97	1/2	102.27	1/2		1/2		1/2		1/2	
3/4	1,332.38	3/4	1,084.44	3/4	836.49	3/4	594.45	3/4	345.79	3/4	97.09	3/4		3/4		3/4		3/4	
3	1,327.22	3	1,079.27	3	831.32	3	589.28	3	340.61	3	91.91	3		3		3		3	
1/4	1,322.05	1/4	1,074.10	1/4	826.16	1/4	584.11	1/4	335.43	1/4	86.73	1/4		1/4		1/4		1/4	
1/2	1,316.89	1/2	1,068.94	1/2	820.99	1/2	578.93	1/2	330.24	1/2	81.55	1/2		1/2		1/2		1/2	
3/4	1,311.72	3/4	1,063.77	3/4	815.82	3/4	573.76	3/4	325.06	3/4	76.37	3/4		3/4		3/4		3/4	
4	1,306.56	4	1,058.61	4	810.79	4	568.58	4	319.88	4	71.20	4		4		4		4	
1/4	1,301.39	1/4	1,053.44	1/4	805.75	1/4	563.40	1/4	314.70	1/4	66.03	1/4		1/4		1/4		1/4	
1/2	1,296.23	1/2	1,048.28	1/2	800.72	1/2	558.22	1/2	309.52	1/2	60.86	1/2		1/2		1/2		1/2	
3/4	1,291.06	3/4	1,043.11	3/4	795.68	3/4	553.04	3/4	304.34	3/4	55.69	3/4		3/4		3/4		3/4	
5	1,285.89	5	1,037.95	5	790.65	5	547.85	5	299.16	5	50.56	5		5		5		5	
1/4	1,280.73	1/4	1,032.78	1/4	785.62	1/4	542.67	1/4	293.98	1/4	45.42	1/4		1/4		1/4		1/4	
1/2	1,275.56	1/2	1,027.61	1/2	780.59	1/2	537.49	1/2	288.79	1/2	40.28	1/2		1/2		1/2		1/2	
3/4	1,270.40	3/4	1,022.45	3/4	775.55	3/4	532.31	3/4	283.61	3/4	35.15	3/4		3/4		3/4		3/4	
6	1,265.23	6	1,017.28	6	770.54	6	527.13	6	278.43	6	30.83	6		6		6		6	
1/4	1,260.07	1/4	1,012.12	1/4	765.54	1/4	521.95	1/4	273.25	1/4	26.52	1/4		1/4		1/4		1/4	
1/2	1,254.90	1/2	1,006.95	1/2	760.53	1/2	516.77	1/2	268.07	1/2	22.20	1/2		1/2		1/2		1/2	
3/4	1,249.73	3/4	1,001.79	3/4	755.52	3/4	511.59	3/4	262.89	3/4	17.89	3/4		3/4		3/4		3/4	
7	1,244.57	7	996.62	7	750.51	7	506.41	7	257.71	7	15.30	7		7		7		7	
1/4	1,239.40	1/4	991.45	1/4	745.50	1/4	501.22	1/4	252.53	1/4	12.71	1/4		1/4		1/4		1/4	
1/2	1,234.24	1/2	986.29	1/2	740.49	1/2	496.04	1/2	247.35	1/2	10.12	1/2		1/2		1/2		1/2	
3/4	1,229.07	3/4	981.12	3/4	735.48	3/4	490.86	3/4	242.16	3/4	7.53	3/4		3/4		3/4		3/4	
8	1,223.91	8	975.96	8	730.47	8	485.68	8	236.98	8	6.66	8		8		8		8	
1/4	1,218.74	1/4	970.79	1/4	725.46	1/4	480.50	1/4	231.80	1/4	5.80	1/4		1/4		1/4		1/4	
1/2	1,213.58	1/2	965.63	1/2	720.45	1/2	475.32	1/2	226.62	1/2	4.94	1/2		1/2		1/2		1/2	
3/4	1,208.41	3/4	960.46	3/4	715.44	3/4	470.14	3/4	221.44	3/4	4.08	3/4		3/4		3/4		3/4	
9	1,203.24	9	955.30	9	710.43	9	464.96	9	216.26	9		9		9		9		9	
1/4	1,198.08	1/4	950.13	1/4	705.42	1/4	459.77	1/4	211.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,192.91	1/2	944.96	1/2	700.41	1/2	454.59	1/2	205.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,187.75	3/4	939.80	3/4	695.40	3/4	449.41	3/4	200.71	3/4		3/4		3/4		3/4		3/4	
10	1,182.58	10	934.63	10	690.39	10	444.23	10	195.53	10		10		10		10		10	
1/4	1,177.42	1/4	929.47	1/4	685.38	1/4	439.05	1/4	190.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,172.25	1/2	924.30	1/2	680.38	1/2	433.87	1/2	185.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,167.09	3/4	919.14	3/4	675.37	3/4	428.69	3/4	179.99	3/4		3/4		3/4		3/4		3/4	
11	1,161.92	11	913.97	11	670.36	11	423.51	11	174.81	11		11		11		11		11	
1/4	1,156.75	1/4	908.81	1/4	665.35	1/4	418.32	1/4	169.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,151.59	1/2	903.64	1/2	660.34	1/2	413.14	1/2	164.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,146.42	3/4	898.47	3/4	655.33	3/4	407.96	3/4	159.26	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/17/2019 JS  
CALCULATED: 07/18/2019 CL  
PRINTED: 07/18/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.omacoro.net>



# BARGE "FMT 1400"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 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	3,742.62	0	3,468.30	0	3,193.98	0	2,919.66	0	2,645.34	0	2,371.02	0	2,096.70	0	1,822.38
1/4		1/4		1/4	3,736.91	1/4	3,462.59	1/4	3,188.27	1/4	2,913.95	1/4	2,639.63	1/4	2,365.31	1/4	2,090.99	1/4	1,816.67
1/2		1/2		1/2	3,731.19	1/2	3,456.87	1/2	3,182.55	1/2	2,908.23	1/2	2,633.91	1/2	2,359.59	1/2	2,085.27	1/2	1,810.95
3/4		3/4		3/4	3,725.48	3/4	3,451.16	3/4	3,176.84	3/4	2,902.52	3/4	2,628.20	3/4	2,353.88	3/4	2,079.56	3/4	1,805.24
1		1		1	3,719.76	1	3,445.44	1	3,171.12	1	2,896.80	1	2,622.48	1	2,348.16	1	2,073.84	1	1,799.52
1/4		1/4		1/4	3,714.05	1/4	3,439.73	1/4	3,165.41	1/4	2,891.09	1/4	2,616.77	1/4	2,342.45	1/4	2,068.13	1/4	1,793.81
1/2		1/2	3,948.08	1/2	3,708.33	1/2	3,434.01	1/2	3,159.69	1/2	2,885.37	1/2	2,611.05	1/2	2,336.73	1/2	2,062.41	1/2	1,788.09
3/4		3/4	3,947.13	3/4	3,702.62	3/4	3,428.30	3/4	3,153.98	3/4	2,879.66	3/4	2,605.34	3/4	2,331.02	3/4	2,056.70	3/4	1,782.38
2		2	3,946.18	2	3,696.90	2	3,422.58	2	3,148.26	2	2,873.94	2	2,599.62	2	2,325.30	2	2,050.98	2	1,776.66
1/4		1/4	3,945.23	1/4	3,691.19	1/4	3,416.87	1/4	3,142.55	1/4	2,868.23	1/4	2,593.91	1/4	2,319.59	1/4	2,045.27	1/4	1,770.95
1/2		1/2	3,944.28	1/2	3,685.47	1/2	3,411.15	1/2	3,136.83	1/2	2,862.51	1/2	2,588.19	1/2	2,313.87	1/2	2,039.55	1/2	1,765.23
3/4		3/4	3,941.42	3/4	3,679.76	3/4	3,405.44	3/4	3,131.12	3/4	2,856.80	3/4	2,582.48	3/4	2,308.16	3/4	2,033.84	3/4	1,759.52
3		3	3,938.56	3	3,674.04	3	3,399.72	3	3,125.40	3	2,851.08	3	2,576.76	3	2,302.44	3	2,028.12	3	1,753.80
1/4		1/4	3,935.71	1/4	3,668.33	1/4	3,394.01	1/4	3,119.69	1/4	2,845.37	1/4	2,571.05	1/4	2,296.73	1/4	2,022.41	1/4	1,748.09
1/2		1/2	3,932.85	1/2	3,662.61	1/2	3,388.29	1/2	3,113.97	1/2	2,839.65	1/2	2,565.33	1/2	2,291.01	1/2	2,016.69	1/2	1,742.37
3/4		3/4	3,928.09	3/4	3,656.90	3/4	3,382.58	3/4	3,108.26	3/4	2,833.94	3/4	2,559.62	3/4	2,285.30	3/4	2,010.98	3/4	1,736.66
4		4	3,923.33	4	3,651.18	4	3,376.86	4	3,102.54	4	2,828.22	4	2,553.90	4	2,279.58	4	2,005.26	4	1,730.94
1/4		1/4	3,918.57	1/4	3,645.47	1/4	3,371.15	1/4	3,096.83	1/4	2,822.51	1/4	2,548.19	1/4	2,273.87	1/4	1,999.55	1/4	1,725.23
1/2		1/2	3,913.81	1/2	3,639.75	1/2	3,365.43	1/2	3,091.11	1/2	2,816.79	1/2	2,542.47	1/2	2,268.15	1/2	1,993.83	1/2	1,719.51
3/4		3/4	3,908.14	3/4	3,634.04	3/4	3,359.72	3/4	3,085.40	3/4	2,811.08	3/4	2,536.76	3/4	2,262.44	3/4	1,988.12	3/4	1,713.80
5		5	3,902.48	5	3,628.32	5	3,354.00	5	3,079.68	5	2,805.36	5	2,531.04	5	2,256.72	5	1,982.40	5	1,708.08
1/4		1/4	3,896.81	1/4	3,622.61	1/4	3,348.29	1/4	3,073.97	1/4	2,799.65	1/4	2,525.33	1/4	2,251.01	1/4	1,976.69	1/4	1,702.37
1/2		1/2	3,891.15	1/2	3,616.89	1/2	3,342.57	1/2	3,068.25	1/2	2,793.93	1/2	2,519.61	1/2	2,245.29	1/2	1,970.97	1/2	1,696.65
3/4		3/4	3,885.45	3/4	3,611.18	3/4	3,336.86	3/4	3,062.54	3/4	2,788.22	3/4	2,513.90	3/4	2,239.58	3/4	1,965.26	3/4	1,690.94
6		6	3,879.75	6	3,605.46	6	3,331.14	6	3,056.82	6	2,782.50	6	2,508.18	6	2,233.86	6	1,959.54	6	1,685.22
1/4		1/4	3,874.05	1/4	3,599.75	1/4	3,325.43	1/4	3,051.11	1/4	2,776.79	1/4	2,502.47	1/4	2,228.15	1/4	1,953.83	1/4	1,679.51
1/2		1/2	3,868.34	1/2	3,594.03	1/2	3,319.71	1/2	3,045.39	1/2	2,771.07	1/2	2,496.75	1/2	2,222.43	1/2	1,948.11	1/2	1,673.79
3/4		3/4	3,862.63	3/4	3,588.32	3/4	3,314.00	3/4	3,039.68	3/4	2,765.36	3/4	2,491.04	3/4	2,216.72	3/4	1,942.40	3/4	1,668.08
7		7	3,856.92	7	3,582.60	7	3,308.28	7	3,033.96	7	2,759.64	7	2,485.32	7	2,211.00	7	1,936.68	7	1,662.36
1/4		1/4	3,851.21	1/4	3,576.89	1/4	3,302.57	1/4	3,028.25	1/4	2,753.93	1/4	2,479.61	1/4	2,205.29	1/4	1,930.97	1/4	1,656.65
1/2		1/2	3,845.49	1/2	3,571.17	1/2	3,296.85	1/2	3,022.53	1/2	2,748.21	1/2	2,473.89	1/2	2,199.57	1/2	1,925.25	1/2	1,650.93
3/4		3/4	3,839.78	3/4	3,565.46	3/4	3,291.14	3/4	3,016.82	3/4	2,742.50	3/4	2,468.18	3/4	2,193.86	3/4	1,919.54	3/4	1,645.22
8		8	3,834.06	8	3,559.74	8	3,285.42	8	3,011.10	8	2,736.78	8	2,462.46	8	2,188.14	8	1,913.82	8	1,639.50
1/4		1/4	3,828.35	1/4	3,554.03	1/4	3,279.71	1/4	3,005.39	1/4	2,731.07	1/4	2,456.75	1/4	2,182.43	1/4	1,908.11	1/4	1,633.79
1/2		1/2	3,822.63	1/2	3,548.31	1/2	3,273.99	1/2	2,999.67	1/2	2,725.35	1/2	2,451.03	1/2	2,176.71	1/2	1,902.39	1/2	1,628.07
3/4		3/4	3,816.92	3/4	3,542.60	3/4	3,268.28	3/4	2,993.96	3/4	2,719.64	3/4	2,445.32	3/4	2,171.00	3/4	1,896.68	3/4	1,622.36
9		9	3,811.20	9	3,536.88	9	3,262.56	9	2,988.24	9	2,713.92	9	2,439.60	9	2,165.28	9	1,890.96	9	1,616.64
1/4		1/4	3,805.49	1/4	3,531.17	1/4	3,256.85	1/4	2,982.53	1/4	2,708.21	1/4	2,433.89	1/4	2,159.57	1/4	1,885.25	1/4	1,610.93
1/2		1/2	3,799.77	1/2	3,525.45	1/2	3,251.13	1/2	2,976.81	1/2	2,702.49	1/2	2,428.17	1/2	2,153.85	1/2	1,879.53	1/2	1,605.21
3/4		3/4	3,794.06	3/4	3,519.74	3/4	3,245.42	3/4	2,971.10	3/4	2,696.78	3/4	2,422.46	3/4	2,148.14	3/4	1,873.82	3/4	1,599.50
10		10	3,788.34	10	3,514.02	10	3,239.70	10	2,965.38	10	2,691.06	10	2,416.74	10	2,142.42	10	1,868.10	10	1,593.78
1/4		1/4	3,782.63	1/4	3,508.31	1/4	3,233.99	1/4	2,959.67	1/4	2,685.35	1/4	2,411.03	1/4	2,136.71	1/4	1,862.39	1/4	1,588.07
1/2		1/2	3,776.91	1/2	3,502.59	1/2	3,228.27	1/2	2,953.95	1/2	2,679.63	1/2	2,405.31	1/2	2,130.99	1/2	1,856.67	1/2	1,582.35
3/4		3/4	3,771.20	3/4	3,496.88	3/4	3,222.56	3/4	2,948.24	3/4	2,673.92	3/4	2,399.60	3/4	2,125.28	3/4	1,850.96	3/4	1,576.64
11		11	3,765.48	11	3,491.16	11	3,216.84	11	2,942.52	11	2,668.20	11	2,393.88	11	2,119.56	11	1,845.24	11	1,570.92
1/4		1/4	3,759.77	1/4	3,485.45	1/4	3,211.13	1/4	2,936.81	1/4	2,662.49	1/4	2,388.17	1/4	2,113.85	1/4	1,839.53	1/4	1,565.21
1/2		1/2	3,754.05	1/2	3,479.73	1/2	3,205.41	1/2	2,931.09	1/2	2,656.77	1/2	2,382.45	1/2	2,108.13	1/2	1,833.81	1/2	1,559.49
3/4		3/4	3,748.34	3/4	3,474.02	3/4	3,199.70	3/4	2,925.38	3/4	2,651.06	3/4	2,376.74	3/4	2,102.42	3/4	1,828.10	3/4	1,553.78

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 OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "FMT 1400"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 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	1,548.06	0	1,273.74	0	999.42	0	730.25	0	457.64	0	183.33	0		0					0
1/4	1,542.35	1/4	1,268.03	1/4	993.71	1/4	724.50	1/4	451.92	1/4	177.61	1/4		1/4					1/4
1/2	1,536.63	1/2	1,262.31	1/2	987.99	1/2	719.16	1/2	446.21	1/2	171.90	1/2		1/2					1/2
3/4	1,530.92	3/4	1,256.60	3/4	982.28	3/4	713.62	3/4	440.49	3/4	166.18	3/4		3/4					3/4
1	1,525.20	1	1,250.88	1	976.56	1	708.07	1	434.78	1	160.47	1		1					1
1/4	1,519.49	1/4	1,245.17	1/4	970.85	1/4	702.53	1/4	429.06	1/4	154.75	1/4		1/4					1/4
1/2	1,513.77	1/2	1,239.45	1/2	965.13	1/2	696.99	1/2	423.35	1/2	149.04	1/2		1/2					1/2
3/4	1,508.06	3/4	1,233.74	3/4	959.42	3/4	691.44	3/4	417.63	3/4	143.32	3/4		3/4					3/4
2	1,502.34	2	1,228.02	2	953.70	2	685.89	2	411.92	2	137.61	2		2					2
1/4	1,496.63	1/4	1,222.31	1/4	947.99	1/4	680.35	1/4	406.20	1/4	131.89	1/4		1/4					1/4
1/2	1,490.91	1/2	1,216.59	1/2	942.27	1/2	674.80	1/2	400.49	1/2	126.18	1/2		1/2					1/2
3/4	1,485.20	3/4	1,210.88	3/4	936.56	3/4	669.08	3/4	394.77	3/4	120.46	3/4		3/4					3/4
3	1,479.48	3	1,205.16	3	930.84	3	663.37	3	389.06	3	114.75	3		3					3
1/4	1,473.77	1/4	1,199.45	1/4	925.13	1/4	657.65	1/4	383.34	1/4	109.03	1/4		1/4					1/4
1/2	1,468.05	1/2	1,193.73	1/2	919.41	1/2	651.94	1/2	377.63	1/2	103.32	1/2		1/2					1/2
3/4	1,462.34	3/4	1,188.02	3/4	913.70	3/4	646.22	3/4	371.91	3/4	97.61	3/4		3/4					3/4
4	1,456.62	4	1,182.30	4	907.98	4	640.51	4	366.20	4	91.89	4		4					4
1/4	1,450.91	1/4	1,176.59	1/4	902.27	1/4	634.79	1/4	360.48	1/4	86.18	1/4		1/4					1/4
1/2	1,445.19	1/2	1,170.87	1/2	896.55	1/2	629.08	1/2	354.77	1/2	80.47	1/2		1/2					1/2
3/4	1,439.48	3/4	1,165.16	3/4	891.01	3/4	623.37	3/4	349.05	3/4	74.77	3/4		3/4					3/4
5	1,433.76	5	1,159.44	5	885.46	5	617.65	5	343.34	5	69.07	5		5					5
1/4	1,428.05	1/4	1,153.73	1/4	879.91	1/4	611.94	1/4	337.63	1/4	63.37	1/4		1/4					1/4
1/2	1,422.33	1/2	1,148.01	1/2	874.36	1/2	606.22	1/2	331.91	1/2	57.66	1/2		1/2					1/2
3/4	1,416.62	3/4	1,142.30	3/4	868.82	3/4	600.51	3/4	326.20	3/4	52.00	3/4		3/4					3/4
6	1,410.90	6	1,136.58	6	863.28	6	594.79	6	320.48	6	46.33	6		6					6
1/4	1,405.19	1/4	1,130.87	1/4	857.73	1/4	589.08	1/4	314.77	1/4	40.67	1/4		1/4					1/4
1/2	1,399.47	1/2	1,125.15	1/2	852.19	1/2	583.36	1/2	309.05	1/2	35.00	1/2		1/2					1/2
3/4	1,393.76	3/4	1,119.44	3/4	846.65	3/4	577.65	3/4	303.34	3/4	30.24	3/4		3/4					3/4
7	1,388.04	7	1,113.72	7	841.10	7	571.93	7	297.62	7	25.48	7		7					7
1/4	1,382.33	1/4	1,108.01	1/4	835.56	1/4	566.22	1/4	291.91	1/4	20.72	1/4		1/4					1/4
1/2	1,376.61	1/2	1,102.29	1/2	830.02	1/2	560.50	1/2	286.19	1/2	15.97	1/2		1/2					1/2
3/4	1,370.90	3/4	1,096.58	3/4	824.48	3/4	554.79	3/4	280.48	3/4	13.11	3/4		3/4					3/4
8	1,365.18	8	1,090.86	8	818.93	8	549.07	8	274.76	8	10.25	8		8					8
1/4	1,359.47	1/4	1,085.15	1/4	813.39	1/4	543.36	1/4	269.05	1/4	7.40	1/4		1/4					1/4
1/2	1,353.75	1/2	1,079.43	1/2	807.85	1/2	537.64	1/2	263.33	1/2	4.54	1/2		1/2					1/2
3/4	1,348.04	3/4	1,073.72	3/4	802.30	3/4	531.93	3/4	257.62	3/4	3.59	3/4		3/4					3/4
9	1,342.32	9	1,068.00	9	796.76	9	526.21	9	251.90	9	2.64	9		9					9
1/4	1,336.61	1/4	1,062.29	1/4	791.22	1/4	520.50	1/4	246.19	1/4	1.69	1/4		1/4					1/4
1/2	1,330.89	1/2	1,056.57	1/2	785.68	1/2	514.78	1/2	240.47	1/2	0.73	1/2		1/2					1/2
3/4	1,325.18	3/4	1,050.86	3/4	780.13	3/4	509.07	3/4	234.76	3/4		3/4		3/4					3/4
10	1,319.46	10	1,045.14	10	774.59	10	503.35	10	229.04	10		10		10					10
1/4	1,313.75	1/4	1,039.43	1/4	769.05	1/4	497.64	1/4	223.33	1/4		1/4		1/4					1/4
1/2	1,308.03	1/2	1,033.71	1/2	763.50	1/2	491.92	1/2	217.61	1/2		1/2		1/2					1/2
3/4	1,302.32	3/4	1,028.00	3/4	757.96	3/4	486.21	3/4	211.90	3/4		3/4		3/4					3/4
11	1,296.60	11	1,022.28	11	752.42	11	480.50	11	206.18	11		11		11					11
1/4	1,290.89	1/4	1,016.57	1/4	746.87	1/4	474.78	1/4	200.47	1/4		1/4		1/4					1/4
1/2	1,285.17	1/2	1,010.85	1/2	741.33	1/2	469.07	1/2	194.76	1/2		1/2		1/2					1/2
3/4	1,279.46	3/4	1,005.14	3/4	735.79	3/4	463.35	3/4	189.04	3/4		3/4		3/4					3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/17/2019 JS  
CALCULATED: 07/18/2019 CL  
PRINTED: 07/18/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.omacoro.net>



# BARGE "FMT 1400"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/8"

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		1/8	3,537.18	0	3,325.26	0	3,079.89	0	2,834.52	0	2,589.15	0	2,343.78	0	2,098.41	0	1,853.03	0	1,607.66
1/4		1/4	3,536.76	1/4	3,320.15	1/4	3,074.78	1/4	2,829.41	1/4	2,584.04	1/4	2,338.66	1/4	2,093.29	1/4	1,847.92	1/4	1,602.55
1/2		1/2	3,535.91	1/2	3,315.04	1/2	3,069.67	1/2	2,824.29	1/2	2,578.92	1/2	2,333.55	1/2	2,088.18	1/2	1,842.81	1/2	1,597.44
3/4		3/4	3,535.05	3/4	3,309.93	3/4	3,064.55	3/4	2,819.18	3/4	2,573.81	3/4	2,328.44	3/4	2,083.07	3/4	1,837.70	3/4	1,592.33
1		1	3,534.20	1	3,304.81	1	3,059.44	1	2,814.07	1	2,568.70	1	2,323.33	1	2,077.96	1	1,832.59	1	1,587.22
1/4		1/4	3,532.50	1/4	3,299.70	1/4	3,054.33	1/4	2,808.96	1/4	2,563.59	1/4	2,318.22	1/4	2,072.85	1/4	1,827.47	1/4	1,582.10
1/2		1/2	3,529.95	1/2	3,294.59	1/2	3,049.22	1/2	2,803.85	1/2	2,558.48	1/2	2,313.10	1/2	2,067.73	1/2	1,822.36	1/2	1,576.99
3/4		3/4	3,527.39	3/4	3,289.48	3/4	3,044.11	3/4	2,798.74	3/4	2,553.36	3/4	2,307.99	3/4	2,062.62	3/4	1,817.25	3/4	1,571.88
2		2	3,524.84	2	3,284.37	2	3,038.99	2	2,793.62	2	2,548.25	2	2,302.88	2	2,057.51	2	1,812.14	2	1,566.77
1/4		1/4	3,521.43	1/4	3,279.25	1/4	3,033.88	1/4	2,788.51	1/4	2,543.14	1/4	2,297.77	1/4	2,052.40	1/4	1,807.03	1/4	1,561.66
1/2		1/2	3,517.17	1/2	3,274.14	1/2	3,028.77	1/2	2,783.40	1/2	2,538.03	1/2	2,292.66	1/2	2,047.29	1/2	1,801.91	1/2	1,556.54
3/4		3/4	3,512.91	3/4	3,269.03	3/4	3,023.66	3/4	2,778.29	3/4	2,532.92	3/4	2,287.55	3/4	2,042.17	3/4	1,796.80	3/4	1,551.43
3		3	3,508.66	3	3,263.92	3	3,018.55	3	2,773.18	3	2,527.80	3	2,282.43	3	2,037.06	3	1,791.69	3	1,546.32
1/4		1/4	3,503.99	1/4	3,258.81	1/4	3,013.44	1/4	2,768.06	1/4	2,522.69	1/4	2,277.32	1/4	2,031.95	1/4	1,786.58	1/4	1,541.21
1/2		1/2	3,498.93	1/2	3,253.69	1/2	3,008.32	1/2	2,762.95	1/2	2,517.58	1/2	2,272.21	1/2	2,026.84	1/2	1,781.47	1/2	1,536.10
3/4		3/4	3,493.86	3/4	3,248.58	3/4	3,003.21	3/4	2,757.84	3/4	2,512.47	3/4	2,267.10	3/4	2,021.73	3/4	1,776.36	3/4	1,530.98
4		4	3,488.79	4	3,243.47	4	2,998.10	4	2,752.73	4	2,507.36	4	2,261.99	4	2,016.61	4	1,771.24	4	1,525.87
1/4		1/4	3,483.71	1/4	3,238.36	1/4	2,992.99	1/4	2,747.62	1/4	2,502.25	1/4	2,256.87	1/4	2,011.50	1/4	1,766.13	1/4	1,520.76
1/2		1/2	3,478.61	1/2	3,233.25	1/2	2,987.88	1/2	2,742.50	1/2	2,497.13	1/2	2,251.76	1/2	2,006.39	1/2	1,761.02	1/2	1,515.65
3/4		3/4	3,473.51	3/4	3,228.13	3/4	2,982.76	3/4	2,737.39	3/4	2,492.02	3/4	2,246.65	3/4	2,001.28	3/4	1,755.91	3/4	1,510.54
5		5	3,468.41	5	3,223.02	5	2,977.65	5	2,732.28	5	2,486.91	5	2,241.54	5	1,996.17	5	1,750.80	5	1,505.42
1/4		1/4	3,463.30	1/4	3,217.91	1/4	2,972.54	1/4	2,727.17	1/4	2,481.80	1/4	2,236.43	1/4	1,991.06	1/4	1,745.68	1/4	1,500.31
1/2		1/2	3,458.18	1/2	3,212.80	1/2	2,967.43	1/2	2,722.06	1/2	2,476.69	1/2	2,231.31	1/2	1,985.94	1/2	1,740.57	1/2	1,495.20
3/4		3/4	3,453.07	3/4	3,207.69	3/4	2,962.32	3/4	2,716.94	3/4	2,471.57	3/4	2,226.20	3/4	1,980.83	3/4	1,735.46	3/4	1,490.09
6		6	3,447.95	6	3,202.58	6	2,957.20	6	2,711.83	6	2,466.46	6	2,221.09	6	1,975.72	6	1,730.35	6	1,484.98
1/4		1/4	3,442.83	1/4	3,197.46	1/4	2,952.09	1/4	2,706.72	1/4	2,461.35	1/4	2,215.98	1/4	1,970.61	1/4	1,725.24	1/4	1,479.87
1/2		1/2	3,437.72	1/2	3,192.35	1/2	2,946.98	1/2	2,701.61	1/2	2,456.24	1/2	2,210.87	1/2	1,965.50	1/2	1,720.12	1/2	1,474.75
3/4		3/4	3,432.61	3/4	3,187.24	3/4	2,941.87	3/4	2,696.50	3/4	2,451.13	3/4	2,205.75	3/4	1,960.38	3/4	1,715.01	3/4	1,469.64
7		7	3,427.50	7	3,182.13	7	2,936.76	7	2,691.39	7	2,446.01	7	2,200.64	7	1,955.27	7	1,709.90	7	1,464.53
1/4		1/4	3,422.39	1/4	3,177.02	1/4	2,931.64	1/4	2,686.27	1/4	2,440.90	1/4	2,195.53	1/4	1,950.16	1/4	1,704.79	1/4	1,459.42
1/2		1/2	3,417.28	1/2	3,171.90	1/2	2,926.53	1/2	2,681.16	1/2	2,435.79	1/2	2,190.42	1/2	1,945.05	1/2	1,699.68	1/2	1,454.31
3/4		3/4	3,412.16	3/4	3,166.79	3/4	2,921.42	3/4	2,676.05	3/4	2,430.68	3/4	2,185.31	3/4	1,939.94	3/4	1,694.56	3/4	1,449.19
8		8	3,407.05	8	3,161.68	8	2,916.31	8	2,670.94	8	2,425.57	8	2,180.20	8	1,934.82	8	1,689.45	8	1,444.08
1/4		1/4	3,401.94	1/4	3,156.57	1/4	2,911.20	1/4	2,665.83	1/4	2,420.45	1/4	2,175.08	1/4	1,929.71	1/4	1,684.34	1/4	1,438.97
1/2		1/2	3,396.83	1/2	3,151.46	1/2	2,906.09	1/2	2,660.71	1/2	2,415.34	1/2	2,169.97	1/2	1,924.60	1/2	1,679.23	1/2	1,433.86
3/4		3/4	3,391.72	3/4	3,146.34	3/4	2,900.97	3/4	2,655.60	3/4	2,410.23	3/4	2,164.86	3/4	1,919.49	3/4	1,674.12	3/4	1,428.75
9		9	3,386.60	9	3,141.23	9	2,895.86	9	2,650.49	9	2,405.12	9	2,159.75	9	1,914.38	9	1,669.01	9	1,423.63
1/4		1/4	3,381.49	1/4	3,136.12	1/4	2,890.75	1/4	2,645.38	1/4	2,400.01	1/4	2,154.64	1/4	1,909.26	1/4	1,663.89	1/4	1,418.52
1/2		1/2	3,376.38	1/2	3,131.01	1/2	2,885.64	1/2	2,640.27	1/2	2,394.90	1/2	2,149.52	1/2	1,904.15	1/2	1,658.78	1/2	1,413.41
3/4		3/4	3,371.27	3/4	3,125.90	3/4	2,880.53	3/4	2,635.15	3/4	2,389.78	3/4	2,144.41	3/4	1,899.04	3/4	1,653.67	3/4	1,408.30
10		10	3,366.16	10	3,120.79	10	2,875.41	10	2,630.04	10	2,384.67	10	2,139.30	10	1,893.93	10	1,648.56	10	1,403.19
1/4		1/4	3,361.04	1/4	3,115.67	1/4	2,870.30	1/4	2,624.93	1/4	2,379.56	1/4	2,134.19	1/4	1,888.82	1/4	1,643.45	1/4	1,398.07
1/2		1/2	3,355.93	1/2	3,110.56	1/2	2,865.19	1/2	2,619.82	1/2	2,374.45	1/2	2,129.08	1/2	1,883.71	1/2	1,638.33	1/2	1,392.96
3/4		3/4	3,350.82	3/4	3,105.45	3/4	2,860.08	3/4	2,614.71	3/4	2,369.34	3/4	2,123.96	3/4	1,878.59	3/4	1,633.22	3/4	1,387.85
11		11	3,345.71	11	3,100.34	11	2,854.97	11	2,609.60	11	2,364.22	11	2,118.85	11	1,873.48	11	1,628.11	11	1,382.74
1/4		1/4	3,340.60	1/4	3,095.23	1/4	2,849.85	1/4	2,604.48	1/4	2,359.11	1/4	2,113.74	1/4	1,868.37	1/4	1,623.00	1/4	1,377.63
1/2		1/2	3,335.48	1/2	3,090.11	1/2	2,844.74	1/2	2,599.37	1/2	2,354.00	1/2	2,108.63	1/2	1,863.26	1/2	1,617.89	1/2	1,372.52
3/4		3/4	3,330.37	3/4	3,085.00	3/4	2,839.63	3/4	2,594.26	3/4	2,348.89	3/4	2,103.52	3/4	1,858.15	3/4	1,612.77	3/4	1,367.40

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 OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "FMT 1400"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/8"

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	1,362.29	0	1,116.92	0	871.55	0	626.63	0	381.31	0	135.94	0	0	0	0	0	0	0	0
1/4	1,357.18	1/4	1,111.81	1/4	866.44	1/4	621.53	1/4	376.19	1/4	130.83	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,352.07	1/2	1,106.70	1/2	861.33	1/2	616.42	1/2	371.08	1/2	125.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,346.96	3/4	1,101.58	3/4	856.21	3/4	611.32	3/4	365.97	3/4	120.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,341.84	1	1,096.47	1	851.10	1	606.22	1	360.86	1	115.49	1	1	1	1	1	1	1	1
1/4	1,336.73	1/4	1,091.36	1/4	845.99	1/4	601.11	1/4	355.75	1/4	110.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,331.62	1/2	1,086.25	1/2	840.88	1/2	596.00	1/2	350.63	1/2	105.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,326.51	3/4	1,081.14	3/4	835.77	3/4	590.89	3/4	345.52	3/4	100.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,321.40	2	1,076.03	2	830.65	2	585.78	2	340.41	2	95.04	2	2	2	2	2	2	2	2
1/4	1,316.28	1/4	1,070.91	1/4	825.54	1/4	580.67	1/4	335.30	1/4	89.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,311.17	1/2	1,065.80	1/2	820.43	1/2	575.55	1/2	330.19	1/2	84.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,306.06	3/4	1,060.69	3/4	815.32	3/4	570.44	3/4	325.08	3/4	79.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,300.95	3	1,055.58	3	810.21	3	565.33	3	319.96	3	74.60	3	3	3	3	3	3	3	3
1/4	1,295.84	1/4	1,050.47	1/4	805.10	1/4	560.22	1/4	314.85	1/4	69.50	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,290.72	1/2	1,045.35	1/2	800.00	1/2	555.11	1/2	309.74	1/2	64.40	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,285.61	3/4	1,040.24	3/4	794.89	3/4	549.99	3/4	304.63	3/4	59.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,280.50	4	1,035.13	4	789.79	4	544.88	4	299.52	4	54.20	4	4	4	4	4	4	4	4
1/4	1,275.39	1/4	1,030.02	1/4	784.69	1/4	539.77	1/4	294.40	1/4	49.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,270.28	1/2	1,024.91	1/2	779.59	1/2	534.66	1/2	289.29	1/2	44.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,265.17	3/4	1,019.79	3/4	774.49	3/4	529.55	3/4	284.18	3/4	38.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,260.05	5	1,014.68	5	769.39	5	524.44	5	279.07	5	33.92	5	5	5	5	5	5	5	5
1/4	1,254.94	1/4	1,009.57	1/4	764.29	1/4	519.32	1/4	273.96	1/4	29.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,249.83	1/2	1,004.46	1/2	759.19	1/2	514.21	1/2	268.85	1/2	25.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,244.72	3/4	999.35	3/4	754.10	3/4	509.10	3/4	263.73	3/4	20.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,239.61	6	994.23	6	749.00	6	503.99	6	258.62	6	16.48	6	6	6	6	6	6	6	6
1/4	1,234.49	1/4	989.12	1/4	743.90	1/4	498.88	1/4	253.51	1/4	13.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,229.38	1/2	984.01	1/2	738.80	1/2	493.76	1/2	248.40	1/2	10.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,224.27	3/4	978.90	3/4	733.70	3/4	488.65	3/4	243.29	3/4	7.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,219.16	7	973.79	7	728.60	7	483.54	7	238.17	7	5.41	7	7	7	7	7	7	7	7
1/4	1,214.05	1/4	968.68	1/4	723.50	1/4	478.43	1/4	233.06	1/4	3.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,208.93	1/2	963.56	1/2	718.40	1/2	473.32	1/2	227.95	1/2	2.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,203.82	3/4	958.45	3/4	713.31	3/4	468.21	3/4	222.84	3/4	2.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,198.71	8	953.34	8	708.21	8	463.09	8	217.73	8	1.16	8	8	8	8	8	8	8	8
1/4	1,193.60	1/4	948.23	1/4	703.11	1/4	457.98	1/4	212.62	1/8	0.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,188.49	1/2	943.12	1/2	698.01	1/2	452.87	1/2	207.50	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,183.37	3/4	938.00	3/4	692.91	3/4	447.76	3/4	202.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,178.26	9	932.89	9	687.81	9	442.65	9	197.28	9		9	9	9	9	9	9	9	9
1/4	1,173.15	1/4	927.78	1/4	682.71	1/4	437.53	1/4	192.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,168.04	1/2	922.67	1/2	677.61	1/2	432.42	1/2	187.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,162.93	3/4	917.56	3/4	672.52	3/4	427.31	3/4	181.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,157.82	10	912.44	10	667.42	10	422.20	10	176.83	10		10	10	10	10	10	10	10	10
1/4	1,152.70	1/4	907.33	1/4	662.32	1/4	417.09	1/4	171.72	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,147.59	1/2	902.22	1/2	657.22	1/2	411.98	1/2	166.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,142.48	3/4	897.11	3/4	652.12	3/4	406.86	3/4	161.50	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,137.37	11	892.00	11	647.02	11	401.75	11	156.39	11		11	11	11	11	11	11	11	11
1/4	1,132.26	1/4	886.88	1/4	641.92	1/4	396.64	1/4	151.27	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,127.14	1/2	881.77	1/2	636.82	1/2	391.53	1/2	146.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,122.03	3/4	876.66	3/4	631.72	3/4	386.42	3/4	141.05	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/16/2019 JS  
CALCULATED: 07/17/2019 CL  
PRINTED: 07/17/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2019

PRECISION MEASUREMENT  
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