



# BARGE "MM 128"

## INNAGE TRIM TABLE (HERMETIC)

	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 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
2 PORT	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
2 STBD	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 PORT	- 00-1/2	00-1/2	- 01-1/8	01-1/8	- 01-5/8	01-5/8	- 02-1/4	02-1/4	- 02-3/4	02-3/4	- 03-3/8	03-3/8
3 STBD	- 00-1/2	00-1/2	- 01-1/8	01-1/8	- 01-5/8	01-5/8	- 02-1/4	02-1/4	- 02-3/4	02-3/4	- 03-3/8	03-3/8

(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)

THE CORRECTION FOR 2'-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 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 254'-03"

September 16, 2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "MM 128"

## INNAGE TRIM TABLE (8" HATCH)

	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 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-6/8	- 00-6/8
1 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
2 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
2 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 PORT	- 00-1/2	00-1/2	- 01-0/8	01-0/8	- 01-1/2	01-1/2	- 02-0/8	02-0/8	- 02-5/8	02-5/8	- 03-1/8	03-1/8
3 STBD	- 00-1/2	00-1/2	- 01-0/8	01-0/8	- 01-1/2	01-1/2	- 02-0/8	02-0/8	- 02-1/2	02-1/2	- 03-1/8	03-1/8

(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)

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

LENGTH BETWEEN DRAFT MARKS: 254'-03"

September 16, 2019

**PRECISION MEASUREMENT  
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# BARGE "MM 128"

# 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	21.42	0	359.56	0	722.61	0	1,085.42	0	1,448.22	0	1,811.29	0	2,174.35	0	2,537.41	0	2,900.37	0	3,263.30
1/4	25.67	1/4	367.12	1/4	730.17	1/4	1,092.97	1/4	1,455.79	1/4	1,818.85	1/4	2,181.91	1/4	2,544.98	1/4	2,907.93	1/4	3,270.86
1/2	29.92	1/2	374.68	1/2	737.73	1/2	1,100.52	1/2	1,463.35	1/2	1,826.41	1/2	2,189.48	1/2	2,552.54	1/2	2,915.49	1/2	3,278.42
3/4	34.17	3/4	382.25	3/4	745.30	3/4	1,108.07	3/4	1,470.92	3/4	1,833.98	3/4	2,197.04	3/4	2,560.10	3/4	2,923.05	3/4	3,285.98
1	38.43	1	389.81	1	752.86	1	1,115.62	1	1,478.48	1	1,841.54	1	2,204.60	1	2,567.67	1	2,930.61	1	3,293.54
1/4	43.94	1/4	397.37	1/4	760.42	1/4	1,123.17	1/4	1,486.04	1/4	1,849.11	1/4	2,212.17	1/4	2,575.23	1/4	2,938.17	1/4	3,301.10
1/2	49.46	1/2	404.94	1/2	767.99	1/2	1,130.72	1/2	1,493.61	1/2	1,856.67	1/2	2,219.73	1/2	2,582.79	1/2	2,945.74	1/2	3,308.66
3/4	54.97	3/4	412.50	3/4	775.55	3/4	1,138.28	3/4	1,501.17	3/4	1,864.23	3/4	2,227.30	3/4	2,590.36	3/4	2,953.30	3/4	3,316.22
2	60.49	2	420.07	2	783.11	2	1,145.83	2	1,508.74	2	1,871.80	2	2,234.86	2	2,597.92	2	3,020.86	2	3,323.79
1/4	67.26	1/4	427.63	1/4	790.68	1/4	1,153.38	1/4	1,516.30	1/4	1,879.36	1/4	2,242.42	1/4	2,605.49	1/4	2,968.42	1/4	3,331.35
1/2	74.04	1/2	435.19	1/2	798.24	1/2	1,160.93	1/2	1,523.86	1/2	1,886.92	1/2	2,249.99	1/2	2,613.05	1/2	2,975.98	1/2	3,338.91
3/4	80.81	3/4	442.76	3/4	805.80	3/4	1,168.48	3/4	1,531.43	3/4	1,894.49	3/4	2,257.55	3/4	2,620.61	3/4	2,983.54	3/4	3,346.47
3	87.59	3	450.32	3	813.37	3	1,176.03	3	1,538.99	3	1,902.05	3	2,265.11	3	2,628.18	3	2,991.10	3	3,354.03
1/4	95.07	1/4	457.88	1/4	820.93	1/4	1,183.59	1/4	1,546.55	1/4	1,909.62	1/4	2,272.68	1/4	2,635.74	1/4	2,998.66	1/4	3,361.59
1/2	102.56	1/2	465.45	1/2	828.49	1/2	1,191.14	1/2	1,554.12	1/2	1,917.18	1/2	2,280.24	1/2	2,643.30	1/2	3,006.22	1/2	3,369.15
3/4	110.04	3/4	473.01	3/4	836.06	3/4	1,198.69	3/4	1,561.68	3/4	1,924.74	3/4	2,287.81	3/4	2,650.86	3/4	3,013.78	3/4	3,376.71
4	117.53	4	480.57	4	843.62	4	1,206.24	4	1,569.25	4	1,932.31	4	2,295.37	4	2,658.42	4	3,021.35	4	3,384.27
1/4	125.09	1/4	488.14	1/4	851.18	1/4	1,213.79	1/4	1,576.81	1/4	1,939.87	1/4	2,302.93	1/4	2,665.98	1/4	3,028.91	1/4	3,391.83
1/2	132.65	1/2	495.70	1/2	858.75	1/2	1,221.34	1/2	1,584.37	1/2	1,947.44	1/2	2,310.50	1/2	2,673.54	1/2	3,036.47	1/2	3,399.40
3/4	140.22	3/4	503.26	3/4	866.31	3/4	1,228.89	3/4	1,591.94	3/4	1,955.00	3/4	2,318.06	3/4	2,681.10	3/4	3,044.03	3/4	3,406.96
5	147.78	5	510.83	5	873.88	5	1,236.45	5	1,599.50	5	1,962.56	5	2,325.63	5	2,688.66	5	3,051.59	5	3,414.52
1/4	155.34	1/4	518.39	1/4	881.44	1/4	1,244.01	1/4	1,607.06	1/4	1,970.13	1/4	2,333.19	1/4	2,696.22	1/4	3,059.15	1/4	3,422.08
1/2	162.91	1/2	525.95	1/2	889.00	1/2	1,251.57	1/2	1,614.63	1/2	1,977.69	1/2	2,340.75	1/2	2,703.78	1/2	3,066.71	1/2	3,429.64
3/4	170.47	3/4	533.52	3/4	896.57	3/4	1,259.13	3/4	1,622.19	3/4	1,985.25	3/4	2,348.32	3/4	2,711.34	3/4	3,074.27	3/4	3,437.20
6	178.03	6	541.08	6	904.13	6	1,266.69	6	1,629.76	6	1,992.82	6	2,355.88	6	2,718.91	6	3,081.83	6	3,444.76
1/4	185.60	1/4	548.64	1/4	911.69	1/4	1,274.26	1/4	1,637.32	1/4	2,000.38	1/4	2,363.44	1/4	2,726.47	1/4	3,089.39	1/4	3,452.32
1/2	193.16	1/2	556.21	1/2	919.26	1/2	1,281.82	1/2	1,644.88	1/2	2,007.95	1/2	2,371.01	1/2	2,734.03	1/2	3,096.96	1/2	3,459.88
3/4	200.72	3/4	563.77	3/4	926.82	3/4	1,289.38	3/4	1,652.45	3/4	2,015.51	3/4	2,378.57	3/4	2,741.59	3/4	3,104.52	3/4	3,467.44
7	208.29	7	571.34	7	934.38	7	1,296.95	7	1,660.01	7	2,023.07	7	2,386.14	7	2,749.15	7	3,112.08	7	3,475.01
1/4	215.85	1/4	578.90	1/4	941.94	1/4	1,304.51	1/4	1,667.57	1/4	2,030.64	1/4	2,393.70	1/4	2,756.71	1/4	3,119.64	1/4	3,482.57
1/2	223.41	1/2	586.46	1/2	949.49	1/2	1,312.08	1/2	1,675.14	1/2	2,038.20	1/2	2,401.26	1/2	2,764.27	1/2	3,127.20	1/2	3,490.13
3/4	230.98	3/4	594.03	3/4	957.04	3/4	1,319.64	3/4	1,682.70	3/4	2,045.76	3/4	2,408.83	3/4	2,771.83	3/4	3,134.76	3/4	3,497.69
8	238.54	8	601.59	8	964.59	8	1,327.20	8	1,690.27	8	2,053.33	8	2,416.39	8	2,779.39	8	3,142.32	8	3,505.25
1/4	246.10	1/4	609.15	1/4	972.14	1/4	1,334.77	1/4	1,697.83	1/4	2,060.89	1/4	2,423.95	1/4	2,786.95	1/4	3,149.88	1/4	3,512.81
1/2	253.67	1/2	616.72	1/2	979.69	1/2	1,342.33	1/2	1,705.39	1/2	2,068.46	1/2	2,431.52	1/2	2,794.52	1/2	3,157.44	1/2	3,520.37
3/4	261.23	3/4	624.28	3/4	987.25	3/4	1,349.90	3/4	1,712.96	3/4	2,076.02	3/4	2,439.08	3/4	2,802.08	3/4	3,165.00	3/4	3,527.93
9	268.80	9	631.84	9	994.80	9	1,357.46	9	1,720.52	9	2,083.58	9	2,446.65	9	2,809.64	9	3,172.57	9	3,535.49
1/4	276.36	1/4	639.41	1/4	1,002.35	1/4	1,365.02	1/4	1,728.09	1/4	2,091.15	1/4	2,454.21	1/4	2,817.20	1/4	3,180.13	1/4	3,543.05
1/2	283.92	1/2	646.97	1/2	1,009.90	1/2	1,372.59	1/2	1,735.65	1/2	2,098.71	1/2	2,461.77	1/2	2,824.76	1/2	3,187.69	1/2	3,550.62
3/4	291.49	3/4	654.53	3/4	1,017.45	3/4	1,380.15	3/4	1,743.21	3/4	2,106.28	3/4	2,469.34	3/4	2,832.32	3/4	3,195.25	3/4	3,558.18
10	299.05	10	662.10	10	1,025.00	10	1,387.71	10	1,750.78	10	2,113.84	10	2,476.90	10	2,839.88	10	3,202.81	10	3,565.74
1/4	306.61	1/4	669.66	1/4	1,032.56	1/4	1,395.28	1/4	1,758.34	1/4	2,121.40	1/4	2,484.47	1/4	2,847.44	1/4	3,210.37	1/4	3,573.30
1/2	314.18	1/2	677.22	1/2	1,040.11	1/2	1,402.84	1/2	1,765.90	1/2	2,128.97	1/2	2,492.03	1/2	2,855.00	1/2	3,217.93	1/2	3,580.86
3/4	321.74	3/4	684.79	3/4	1,047.66	3/4	1,410.41	3/4	1,773.47	3/4	2,136.53	3/4	2,499.59	3/4	2,862.56	3/4	3,225.49	3/4	3,588.42
11	329.30	11	692.35	11	1,055.21	11	1,417.97	11	1,781.03	11	2,144.09	11	2,507.16	11	2,870.13	11	3,233.05	11	3,595.98
1/4	336.87	1/4	699.91	1/4	1,062.76	1/4	1,425.53	1/4	1,788.60	1/4	2,151.66	1/4	2,514.72	1/4	2,877.69	1/4	3,240.61	1/4	3,603.54
1/2	344.43	1/2	707.48	1/2	1,070.31	1/2	1,433.10	1/2	1,796.16	1/2	2,159.22	1/2	2,522.28	1/2	2,885.25	1/2	3,248.18	1/2	3,611.10
3/4	351.99	3/4	715.04	3/4	1,077.86	3/4	1,440.66	3/4	1,803.72	3/4	2,166.79	3/4	2,529.85	3/4	2,892.81	3/4	3,255.74	3/4	3,618.66

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 AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR TOP LIP OF 2" HERMETIC VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 10'-06" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "MM 128"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 15'-09"

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	3,626.23	0	3,989.11	0	4,344.44	0	4,686.52	0	5,013.85	0		0		0		0		0	
1/4	3,633.79	1/4	3,996.64	1/4	4,351.70	1/4	4,693.50	1/4	5,020.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,641.35	1/2	4,004.17	1/2	4,358.95	1/2	4,700.47	1/2	5,027.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,648.91	3/4	4,011.70	3/4	4,366.20	3/4	4,707.45	3/4	5,033.66	3/4		3/4		3/4		3/4		3/4	
1	3,656.47	1	4,019.23	1	4,373.46	1	4,714.43	1	5,040.26	1		1		1		1		1	
1/4	3,664.03	1/4	4,026.74	1/4	4,380.69	1/4	4,721.36	1/4	5,046.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,671.59	1/2	4,034.24	1/2	4,387.92	1/2	4,728.29	1/2	5,053.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,679.15	3/4	4,041.75	3/4	4,395.15	3/4	4,735.21	3/4	5,060.00	3/4		3/4		3/4		3/4		3/4	
2	3,686.71	2	4,049.25	2	4,402.38	2	4,742.14	2	5,066.58	2		2		2		2		2	
1/4	3,694.27	1/4	4,056.74	1/4	4,409.58	1/4	4,749.04	1/4	5,073.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,701.84	1/2	4,064.22	1/2	4,416.79	1/2	4,755.95	1/2	5,079.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,709.40	3/4	4,071.70	3/4	4,424.00	3/4	4,762.85	3/4	5,086.24	3/4		3/4		3/4		3/4		3/4	
3	3,716.96	3	4,079.19	3	4,431.21	3	4,769.75	3	5,092.80	3		3		3		3		3	
1/4	3,724.52	1/4	4,086.65	1/4	4,438.39	1/4	4,776.63	1/4	5,099.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,732.08	1/2	4,094.11	1/2	4,445.57	1/2	4,783.51	1/2	5,105.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,739.64	3/4	4,101.57	3/4	4,452.76	3/4	4,790.39	3/4	5,112.40	3/4		3/4		3/4		3/4		3/4	
4	3,747.20	4	4,109.03	4	4,459.94	4	4,797.26	4	5,118.93	4		4		4		4		4	
1/4	3,754.76	1/4	4,116.47	1/4	4,467.10	1/4	4,804.12	1/4	5,125.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,762.32	1/2	4,123.90	1/2	4,474.26	1/2	4,810.98	1/2	5,131.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,769.88	3/4	4,131.34	3/4	4,481.43	3/4	4,817.83	3/4	5,138.46	3/4		3/4		3/4		3/4		3/4	
5	3,777.45	5	4,138.78	5	4,488.59	5	4,824.69	5	5,144.97	5		5		5		5		5	
1/4	3,785.01	1/4	4,146.19	1/4	4,495.73	1/4	4,831.52	1/4	5,152.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,792.57	1/2	4,153.61	1/2	4,502.86	1/2	4,838.35	1/2	5,159.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,800.13	3/4	4,161.02	3/4	4,510.00	3/4	4,845.19	3/4	5,166.59	3/4		3/4		3/4		3/4		3/4	
6	3,807.69	6	4,168.44	6	4,517.14	6	4,852.02	6	5,173.80	6		6		6		6		6	
1/4	3,815.25	1/4	4,175.83	1/4	4,524.25	1/4	4,858.83	1/4	5,180.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,822.81	1/2	4,183.22	1/2	4,531.37	1/2	4,865.64	1/2	5,186.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,830.37	3/4	4,190.61	3/4	4,538.48	3/4	4,872.45	3/4	5,192.81	3/4		3/4		3/4		3/4		3/4	
7	3,837.93	7	4,198.00	7	4,545.60	7	4,879.26	7	5,199.15	7		7		7		7		7	
1/4	3,845.49	1/4	4,205.37	1/4	4,552.69	1/4	4,886.04	1/4	5,204.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,853.06	1/2	4,212.74	1/2	4,559.78	1/2	4,892.83	1/2	5,209.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,860.62	3/4	4,220.11	3/4	4,566.88	3/4	4,899.62	3/4	5,214.52	3/4		3/4		3/4		3/4		3/4	
8	3,868.18	8	4,227.47	8	4,573.97	8	4,906.41	8	5,219.65	8		8		8		8		8	
1/4	3,875.74	1/4	4,234.82	1/4	4,581.04	1/4	4,913.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,883.30	1/2	4,242.16	1/2	4,588.11	1/2	4,919.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,890.86	3/4	4,249.51	3/4	4,595.18	3/4	4,926.70	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,898.42	9	4,256.85	9	4,602.24	9	4,933.46	9		9		9		9		9		9	
1/4	3,905.98	1/4	4,264.18	1/4	4,609.29	1/4	4,940.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,913.54	1/2	4,271.50	1/2	4,616.34	1/2	4,946.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,921.10	3/4	4,278.82	3/4	4,623.38	3/4	4,953.69	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,928.67	10	4,286.14	10	4,630.43	10	4,960.43	10		10		10		10		10		10	
1/4	3,936.23	1/4	4,293.44	1/4	4,637.45	1/4	4,967.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,943.79	1/2	4,300.74	1/2	4,644.47	1/2	4,973.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,951.35	3/4	4,308.04	3/4	4,651.50	3/4	4,980.59	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,958.91	11	4,315.34	11	4,658.52	11	4,987.31	11		11		11		11		11		11	
1/4	3,966.46	1/4	4,322.62	1/4	4,665.52	1/4	4,993.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,974.01	1/2	4,329.89	1/2	4,672.52	1/2	5,000.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,981.56	3/4	4,337.17	3/4	4,679.52	3/4	5,007.21	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2019 CL  
CALCULATED: 09/17/2019 CL  
PRINTED: 09/17/2019 SW

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2019



# BARGE "MM 128"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	21.42	0	359.69	0	722.86	0	1,084.88	0	1,446.85	0	1,810.04	0	2,173.23	0	2,536.42	0	2,899.52	0	3,262.58
1/4	25.68	1/4	367.25	1/4	730.43	1/4	1,092.39	1/4	1,454.42	1/4	1,817.61	1/4	2,180.80	1/4	2,543.99	1/4	2,907.08	1/4	3,270.15
1/2	29.93	1/2	374.82	1/2	738.00	1/2	1,099.91	1/2	1,461.98	1/2	1,825.17	1/2	2,188.37	1/2	2,551.56	1/2	2,914.65	1/2	3,277.71
3/4	34.19	3/4	382.38	3/4	745.56	3/4	1,107.42	3/4	1,469.55	3/4	1,832.74	3/4	2,195.93	3/4	2,559.12	3/4	2,922.21	3/4	3,285.27
1	38.44	1	389.95	1	753.13	1	1,114.94	1	1,477.11	1	1,840.31	1	2,203.50	1	2,566.69	1	2,929.78	1	3,292.84
1/4	43.96	1/4	397.52	1/4	760.69	1/4	1,122.45	1/4	1,484.68	1/4	1,847.87	1/4	2,211.07	1/4	2,574.26	1/4	2,937.34	1/4	3,300.40
1/2	49.47	1/2	405.08	1/2	768.26	1/2	1,129.97	1/2	1,492.25	1/2	1,855.44	1/2	2,218.63	1/2	2,581.82	1/2	2,944.90	1/2	3,307.97
3/4	54.99	3/4	412.65	3/4	775.83	3/4	1,137.48	3/4	1,499.81	3/4	1,863.01	3/4	2,226.20	3/4	2,589.39	3/4	2,952.47	3/4	3,315.53
2	60.51	2	420.21	2	783.39	2	1,145.00	2	1,507.38	2	1,870.57	2	2,233.76	2	2,596.96	2	3,020.03	2	3,323.09
1/4	67.28	1/4	427.78	1/4	790.96	1/4	1,152.51	1/4	1,514.95	1/4	1,878.14	1/4	2,241.33	1/4	2,604.52	1/4	2,967.59	1/4	3,330.66
1/2	74.06	1/2	435.35	1/2	798.52	1/2	1,160.02	1/2	1,522.51	1/2	1,885.71	1/2	2,248.90	1/2	2,612.09	1/2	2,975.16	1/2	3,338.22
3/4	80.84	3/4	442.91	3/4	806.09	3/4	1,167.54	3/4	1,530.08	3/4	1,893.27	3/4	2,256.46	3/4	2,619.66	3/4	2,982.72	3/4	3,345.78
3	87.62	3	450.48	3	813.66	3	1,175.05	3	1,537.65	3	1,900.84	3	2,264.03	3	2,627.22	3	2,990.29	3	3,353.35
1/4	95.11	1/4	458.05	1/4	821.22	1/4	1,182.57	1/4	1,545.21	1/4	1,908.41	1/4	2,271.60	1/4	2,634.79	1/4	2,997.85	1/4	3,360.91
1/2	102.59	1/2	465.61	1/2	828.79	1/2	1,190.08	1/2	1,552.78	1/2	1,915.97	1/2	2,279.16	1/2	2,642.35	1/2	3,005.41	1/2	3,368.48
3/4	110.08	3/4	473.18	3/4	836.36	3/4	1,197.60	3/4	1,560.35	3/4	1,923.54	3/4	2,286.73	3/4	2,649.91	3/4	3,012.98	3/4	3,376.04
4	117.57	4	480.74	4	843.92	4	1,205.11	4	1,567.91	4	1,931.10	4	2,294.30	4	2,657.48	4	3,020.54	4	3,383.60
1/4	125.13	1/4	488.31	1/4	851.49	1/4	1,212.63	1/4	1,575.48	1/4	1,938.67	1/4	2,301.86	1/4	2,665.04	1/4	3,028.10	1/4	3,391.17
1/2	132.70	1/2	495.88	1/2	859.05	1/2	1,220.14	1/2	1,583.05	1/2	1,946.24	1/2	2,309.43	1/2	2,672.61	1/2	3,035.67	1/2	3,398.73
3/4	140.27	3/4	503.44	3/4	866.62	3/4	1,227.66	3/4	1,590.61	3/4	1,953.80	3/4	2,317.00	3/4	2,680.17	3/4	3,043.23	3/4	3,406.29
5	147.83	5	511.01	5	874.19	5	1,235.17	5	1,598.18	5	1,961.37	5	2,324.56	5	2,687.73	5	3,050.80	5	3,413.86
1/4	155.40	1/4	518.58	1/4	881.75	1/4	1,242.70	1/4	1,605.75	1/4	1,968.94	1/4	2,332.13	1/4	2,695.30	1/4	3,058.36	1/4	3,421.42
1/2	162.96	1/2	526.14	1/2	889.32	1/2	1,250.22	1/2	1,613.31	1/2	1,976.50	1/2	2,339.70	1/2	2,702.86	1/2	3,065.92	1/2	3,428.99
3/4	170.53	3/4	533.71	3/4	896.89	3/4	1,257.75	3/4	1,620.88	3/4	1,984.07	3/4	2,347.26	3/4	2,710.43	3/4	3,073.49	3/4	3,436.55
6	178.10	6	541.27	6	904.45	6	1,265.27	6	1,628.44	6	1,991.64	6	2,354.83	6	2,717.99	6	3,081.05	6	3,444.11
1/4	185.66	1/4	548.84	1/4	911.98	1/4	1,272.83	1/4	1,636.01	1/4	1,999.20	1/4	2,362.40	1/4	2,725.55	1/4	3,088.62	1/4	3,451.68
1/2	193.23	1/2	556.41	1/2	919.51	1/2	1,280.40	1/2	1,643.58	1/2	2,006.77	1/2	2,369.96	1/2	2,733.12	1/2	3,096.18	1/2	3,459.24
3/4	200.80	3/4	563.97	3/4	927.05	3/4	1,287.96	3/4	1,651.14	3/4	2,014.34	3/4	2,377.53	3/4	2,740.68	3/4	3,103.74	3/4	3,466.81
7	208.36	7	571.54	7	934.58	7	1,295.52	7	1,658.71	7	2,021.90	7	2,385.09	7	2,748.24	7	3,111.31	7	3,474.37
1/4	215.93	1/4	579.11	1/4	942.09	1/4	1,303.09	1/4	1,666.28	1/4	2,029.47	1/4	2,392.66	1/4	2,755.81	1/4	3,118.87	1/4	3,481.93
1/2	223.49	1/2	586.67	1/2	949.61	1/2	1,310.65	1/2	1,673.84	1/2	2,037.04	1/2	2,400.23	1/2	2,763.37	1/2	3,126.43	1/2	3,489.50
3/4	231.06	3/4	594.24	3/4	957.13	3/4	1,318.22	3/4	1,681.41	3/4	2,044.60	3/4	2,407.79	3/4	2,770.94	3/4	3,134.00	3/4	3,497.06
8	238.63	8	601.80	8	964.64	8	1,325.78	8	1,688.98	8	2,052.17	8	2,415.36	8	2,778.50	8	3,141.56	8	3,504.62
1/4	246.19	1/4	609.37	1/4	972.16	1/4	1,333.35	1/4	1,696.54	1/4	2,059.74	1/4	2,422.93	1/4	2,786.06	1/4	3,149.13	1/4	3,512.19
1/2	253.76	1/2	616.94	1/2	979.67	1/2	1,340.92	1/2	1,704.11	1/2	2,067.30	1/2	2,430.49	1/2	2,793.63	1/2	3,156.69	1/2	3,519.75
3/4	261.32	3/4	624.50	3/4	987.19	3/4	1,348.48	3/4	1,711.68	3/4	2,074.87	3/4	2,438.06	3/4	2,801.19	3/4	3,164.25	3/4	3,527.32
9	268.89	9	632.07	9	994.70	9	1,356.05	9	1,719.24	9	2,082.43	9	2,445.63	9	2,808.75	9	3,171.82	9	3,534.88
1/4	276.46	1/4	639.63	1/4	1,002.22	1/4	1,363.62	1/4	1,726.81	1/4	2,090.00	1/4	2,453.19	1/4	2,816.32	1/4	3,179.38	1/4	3,542.44
1/2	284.02	1/2	647.20	1/2	1,009.73	1/2	1,371.18	1/2	1,734.38	1/2	2,097.57	1/2	2,460.76	1/2	2,823.88	1/2	3,186.94	1/2	3,550.01
3/4	291.59	3/4	654.77	3/4	1,017.25	3/4	1,378.75	3/4	1,741.94	3/4	2,105.13	3/4	2,468.33	3/4	2,831.45	3/4	3,194.51	3/4	3,557.57
10	299.16	10	662.33	10	1,024.76	10	1,386.32	10	1,749.51	10	2,112.70	10	2,475.89	10	2,839.01	10	3,202.07	10	3,565.13
1/4	306.72	1/4	669.90	1/4	1,032.27	1/4	1,393.88	1/4	1,757.08	1/4	2,120.27	1/4	2,483.46	1/4	2,846.57	1/4	3,209.64	1/4	3,572.70
1/2	314.29	1/2	677.47	1/2	1,039.79	1/2	1,401.45	1/2	1,764.64	1/2	2,127.83	1/2	2,491.03	1/2	2,854.14	1/2	3,217.20	1/2	3,580.26
3/4	321.85	3/4	685.03	3/4	1,047.30	3/4	1,409.02	3/4	1,772.21	3/4	2,135.40	3/4	2,498.59	3/4	2,861.70	3/4	3,224.76	3/4	3,587.83
11	329.42	11	692.60	11	1,054.82	11	1,416.58	11	1,779.77	11	2,142.97	11	2,506.16	11	2,869.26	11	3,232.33	11	3,595.39
1/4	336.99	1/4	700.16	1/4	1,062.33	1/4	1,424.15	1/4	1,787.34	1/4	2,150.53	1/4	2,513.73	1/4	2,876.83	1/4	3,239.89	1/4	3,602.95
1/2	344.55	1/2	707.73	1/2	1,069.85	1/2	1,431.72	1/2	1,794.91	1/2	2,158.10	1/2	2,521.29	1/2	2,884.39	1/2	3,247.45	1/2	3,610.52
3/4	352.12	3/4	715.30	3/4	1,077.36	3/4	1,439.28	3/4	1,802.47	3/4	2,165.67	3/4	2,528.86	3/4	2,891.96	3/4	3,255.02	3/4	3,618.08

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 AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR TOP LIP OF 2" HERMETIC VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 10'-06" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "MM 128"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	3,625.64	0	3,988.65	0	4,344.12	0	4,686.34	0	5,013.81	0		0		0		0		0	
1/4	3,633.21	1/4	3,996.18	1/4	4,351.38	1/4	4,693.32	1/4	5,020.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,640.77	1/2	4,003.72	1/2	4,358.63	1/2	4,700.30	1/2	5,027.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,648.34	3/4	4,011.25	3/4	4,365.89	3/4	4,707.28	3/4	5,033.63	3/4		3/4		3/4		3/4		3/4	
1	3,655.90	1	4,018.78	1	4,373.14	1	4,714.26	1	5,040.23	1		1		1		1		1	
1/4	3,663.46	1/4	4,026.29	1/4	4,380.38	1/4	4,721.19	1/4	5,046.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,671.03	1/2	4,033.80	1/2	4,387.61	1/2	4,728.12	1/2	5,053.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.59	3/4	4,041.31	3/4	4,394.84	3/4	4,735.05	3/4	5,059.98	3/4		3/4		3/4		3/4		3/4	
2	3,686.16	2	4,048.82	2	4,402.08	2	4,741.98	2	5,066.57	2		2		2		2		2	
1/4	3,693.72	1/4	4,056.30	1/4	4,409.29	1/4	4,748.89	1/4	5,073.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,701.28	1/2	4,063.79	1/2	4,416.50	1/2	4,755.79	1/2	5,079.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,708.85	3/4	4,071.28	3/4	4,423.71	3/4	4,762.70	3/4	5,086.24	3/4		3/4		3/4		3/4		3/4	
3	3,716.41	3	4,078.76	3	4,430.92	3	4,769.60	3	5,092.80	3		3		3		3		3	
1/4	3,723.97	1/4	4,086.22	1/4	4,438.10	1/4	4,776.48	1/4	5,099.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,731.54	1/2	4,093.69	1/2	4,445.29	1/2	4,783.37	1/2	5,105.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,739.10	3/4	4,101.15	3/4	4,452.48	3/4	4,790.25	3/4	5,112.41	3/4		3/4		3/4		3/4		3/4	
4	3,746.67	4	4,108.61	4	4,459.66	4	4,797.13	4	5,118.95	4		4		4		4		4	
1/4	3,754.23	1/4	4,116.05	1/4	4,466.83	1/4	4,803.99	1/4	5,125.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,761.79	1/2	4,123.49	1/2	4,473.99	1/2	4,810.85	1/2	5,131.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,769.36	3/4	4,130.93	3/4	4,481.16	3/4	4,817.71	3/4	5,138.49	3/4		3/4		3/4		3/4		3/4	
5	3,776.92	5	4,138.37	5	4,488.32	5	4,824.57	5	5,145.00	5		5		5		5		5	
1/4	3,784.48	1/4	4,145.79	1/4	4,495.46	1/4	4,831.40	1/4	5,152.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,792.05	1/2	4,153.21	1/2	4,502.60	1/2	4,838.24	1/2	5,159.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,799.61	3/4	4,160.63	3/4	4,509.74	3/4	4,845.07	3/4	5,166.62	3/4		3/4		3/4		3/4		3/4	
6	3,807.18	6	4,168.04	6	4,516.88	6	4,851.91	6	5,173.83	6		6		6		6		6	
1/4	3,814.74	1/4	4,175.44	1/4	4,524.00	1/4	4,858.72	1/4	5,180.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,822.30	1/2	4,182.83	1/2	4,531.12	1/2	4,865.53	1/2	5,186.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,829.87	3/4	4,190.22	3/4	4,538.24	3/4	4,872.35	3/4	5,192.85	3/4		3/4		3/4		3/4		3/4	
7	3,837.43	7	4,197.62	7	4,545.36	7	4,879.16	7	5,199.20	7		7		7		7		7	
1/4	3,845.00	1/4	4,204.99	1/4	4,552.45	1/4	4,885.95	1/4	5,204.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,852.56	1/2	4,212.36	1/2	4,559.55	1/2	4,892.74	1/2	5,209.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,860.12	3/4	4,219.73	3/4	4,566.64	3/4	4,899.53	3/4	5,214.57	3/4		3/4		3/4		3/4		3/4	
8	3,867.69	8	4,227.10	8	4,573.74	8	4,906.32	8	5,219.70	8		8		8		8		8	
1/4	3,875.25	1/4	4,234.45	1/4	4,580.81	1/4	4,913.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,882.81	1/2	4,241.80	1/2	4,587.88	1/2	4,919.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,890.38	3/4	4,249.15	3/4	4,594.95	3/4	4,926.62	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,897.94	9	4,256.49	9	4,602.02	9	4,933.39	9		9		9		9		9		9	
1/4	3,905.51	1/4	4,263.82	1/4	4,609.07	1/4	4,940.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,913.07	1/2	4,271.15	1/2	4,616.12	1/2	4,946.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,920.63	3/4	4,278.47	3/4	4,623.17	3/4	4,953.62	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,928.20	10	4,285.80	10	4,630.22	10	4,960.37	10		10		10		10		10		10	
1/4	3,935.76	1/4	4,293.10	1/4	4,637.25	1/4	4,967.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,943.32	1/2	4,300.40	1/2	4,644.27	1/2	4,973.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,950.89	3/4	4,307.70	3/4	4,651.30	3/4	4,980.54	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,958.45	11	4,315.00	11	4,658.32	11	4,987.26	11		11		11		11		11		11	
1/4	3,966.00	1/4	4,322.28	1/4	4,665.33	1/4	4,993.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,973.55	1/2	4,329.56	1/2	4,672.33	1/2	5,000.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,981.10	3/4	4,336.84	3/4	4,679.33	3/4	5,007.18	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2019 CL  
CALCULATED: 09/17/2019 CL  
PRINTED: 09/17/2019 SW

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2019



# BARGE "MM 128"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	21.34	0	358.32	0	720.12	0	1,081.68	0	1,443.24	0	1,805.06	0	2,166.87	0	2,528.69	0	2,890.39	0	3,252.07
1/4	25.58	1/4	365.86	1/4	727.66	1/4	1,089.21	1/4	1,450.78	1/4	1,812.59	1/4	2,174.41	1/4	2,536.22	1/4	2,897.93	1/4	3,259.61
1/2	29.82	1/2	373.40	1/2	735.20	1/2	1,096.73	1/2	1,458.32	1/2	1,820.13	1/2	2,181.95	1/2	2,543.76	1/2	2,905.46	1/2	3,267.14
3/4	34.06	3/4	380.93	3/4	742.73	3/4	1,104.26	3/4	1,465.86	3/4	1,827.67	3/4	2,189.48	3/4	2,551.30	3/4	2,913.00	3/4	3,274.68
1	38.30	1	388.47	1	750.27	1	1,111.78	1	1,473.39	1	1,835.21	1	2,197.02	1	2,558.84	1	2,920.53	1	3,282.21
1/4	43.79	1/4	396.01	1/4	757.81	1/4	1,119.31	1/4	1,480.93	1/4	1,842.75	1/4	2,204.56	1/4	2,566.37	1/4	2,928.07	1/4	3,289.75
1/2	49.29	1/2	403.55	1/2	765.35	1/2	1,126.84	1/2	1,488.47	1/2	1,850.28	1/2	2,212.10	1/2	2,573.91	1/2	2,935.60	1/2	3,297.28
3/4	54.78	3/4	411.08	3/4	772.88	3/4	1,134.36	3/4	1,496.01	3/4	1,857.82	3/4	2,219.64	3/4	2,581.45	3/4	2,943.14	3/4	3,304.82
2	60.28	2	418.62	2	780.42	2	1,141.89	2	1,503.54	2	1,865.36	2	2,227.17	2	2,588.99	2	2,950.67	2	3,312.35
1/4	67.03	1/4	426.16	1/4	787.96	1/4	1,149.41	1/4	1,511.08	1/4	1,872.90	1/4	2,234.71	1/4	2,596.53	1/4	2,958.21	1/4	3,319.89
1/2	73.78	1/2	433.70	1/2	795.50	1/2	1,156.94	1/2	1,518.62	1/2	1,880.43	1/2	2,242.25	1/2	2,604.06	1/2	2,965.74	1/2	3,327.42
3/4	80.53	3/4	441.23	3/4	803.03	3/4	1,164.46	3/4	1,526.16	3/4	1,887.97	3/4	2,249.79	3/4	2,611.60	3/4	2,973.28	3/4	3,334.96
3	87.29	3	448.77	3	810.57	3	1,171.99	3	1,533.70	3	1,895.51	3	2,257.32	3	2,619.14	3	2,980.81	3	3,342.49
1/4	94.74	1/4	456.31	1/4	818.11	1/4	1,179.51	1/4	1,541.23	1/4	1,903.05	1/4	2,264.86	1/4	2,626.67	1/4	2,988.35	1/4	3,350.03
1/2	102.20	1/2	463.85	1/2	825.65	1/2	1,187.04	1/2	1,548.77	1/2	1,910.59	1/2	2,272.40	1/2	2,634.21	1/2	2,995.88	1/2	3,357.56
3/4	109.66	3/4	471.38	3/4	833.18	3/4	1,194.56	3/4	1,556.31	3/4	1,918.12	3/4	2,279.94	3/4	2,641.74	3/4	3,003.42	3/4	3,365.10
4	117.12	4	478.92	4	840.72	4	1,202.09	4	1,563.85	4	1,925.66	4	2,287.48	4	2,649.27	4	3,010.95	4	3,372.63
1/4	124.66	1/4	486.46	1/4	848.26	1/4	1,209.62	1/4	1,571.39	1/4	1,933.20	1/4	2,295.01	1/4	2,656.81	1/4	3,018.49	1/4	3,380.17
1/2	132.20	1/2	494.00	1/2	855.80	1/2	1,217.14	1/2	1,578.92	1/2	1,940.74	1/2	2,302.55	1/2	2,664.34	1/2	3,026.02	1/2	3,387.70
3/4	139.73	3/4	501.53	3/4	863.33	3/4	1,224.67	3/4	1,586.46	3/4	1,948.28	3/4	2,310.09	3/4	2,671.88	3/4	3,033.56	3/4	3,395.24
5	147.27	5	509.07	5	870.87	5	1,232.19	5	1,594.00	5	1,955.81	5	2,317.63	5	2,679.41	5	3,041.09	5	3,402.77
1/4	154.81	1/4	516.61	1/4	878.41	1/4	1,239.73	1/4	1,601.54	1/4	1,963.35	1/4	2,325.17	1/4	2,686.95	1/4	3,048.63	1/4	3,410.31
1/2	162.35	1/2	524.15	1/2	885.95	1/2	1,247.26	1/2	1,609.07	1/2	1,970.89	1/2	2,332.70	1/2	2,694.48	1/2	3,056.16	1/2	3,417.84
3/4	169.88	3/4	531.68	3/4	893.48	3/4	1,254.80	3/4	1,616.61	3/4	1,978.43	3/4	2,340.24	3/4	2,702.02	3/4	3,063.70	3/4	3,425.38
6	177.42	6	539.22	6	901.02	6	1,262.34	6	1,624.15	6	1,985.96	6	2,347.78	6	2,709.55	6	3,071.23	6	3,432.91
1/4	184.96	1/4	546.76	1/4	908.56	1/4	1,269.87	1/4	1,631.69	1/4	1,993.50	1/4	2,355.32	1/4	2,717.09	1/4	3,078.77	1/4	3,440.45
1/2	192.50	1/2	554.30	1/2	916.10	1/2	1,277.41	1/2	1,639.23	1/2	2,001.04	1/2	2,362.85	1/2	2,724.62	1/2	3,086.30	1/2	3,447.98
3/4	200.03	3/4	561.83	3/4	923.63	3/4	1,284.95	3/4	1,646.76	3/4	2,008.58	3/4	2,370.39	3/4	2,732.16	3/4	3,093.84	3/4	3,455.52
7	207.57	7	569.37	7	931.17	7	1,292.49	7	1,654.30	7	2,016.12	7	2,377.93	7	2,739.69	7	3,101.37	7	3,463.05
1/4	215.11	1/4	576.91	1/4	938.70	1/4	1,300.02	1/4	1,661.84	1/4	2,023.65	1/4	2,385.47	1/4	2,747.23	1/4	3,108.91	1/4	3,470.59
1/2	222.65	1/2	584.45	1/2	946.22	1/2	1,307.56	1/2	1,669.38	1/2	2,031.19	1/2	2,393.01	1/2	2,754.76	1/2	3,116.44	1/2	3,478.12
3/4	230.18	3/4	591.98	3/4	953.75	3/4	1,315.10	3/4	1,676.91	3/4	2,038.73	3/4	2,400.54	3/4	2,762.30	3/4	3,123.98	3/4	3,485.66
8	237.72	8	599.52	8	961.27	8	1,322.64	8	1,684.45	8	2,046.27	8	2,408.08	8	2,769.83	8	3,131.51	8	3,493.19
1/4	245.26	1/4	607.06	1/4	968.80	1/4	1,330.18	1/4	1,691.99	1/4	2,053.80	1/4	2,415.62	1/4	2,777.37	1/4	3,139.05	1/4	3,500.73
1/2	252.80	1/2	614.60	1/2	976.33	1/2	1,337.71	1/2	1,699.53	1/2	2,061.34	1/2	2,423.16	1/2	2,784.90	1/2	3,146.58	1/2	3,508.26
3/4	260.33	3/4	622.13	3/4	983.85	3/4	1,345.25	3/4	1,707.07	3/4	2,068.88	3/4	2,430.69	3/4	2,792.44	3/4	3,154.12	3/4	3,515.80
9	267.87	9	629.67	9	991.38	9	1,352.79	9	1,714.60	9	2,076.42	9	2,438.23	9	2,799.97	9	3,161.65	9	3,523.33
1/4	275.41	1/4	637.21	1/4	998.90	1/4	1,360.33	1/4	1,722.14	1/4	2,083.96	1/4	2,445.77	1/4	2,807.51	1/4	3,169.19	1/4	3,530.87
1/2	282.95	1/2	644.75	1/2	1,006.43	1/2	1,367.86	1/2	1,729.68	1/2	2,091.49	1/2	2,453.31	1/2	2,815.04	1/2	3,176.72	1/2	3,538.40
3/4	290.48	3/4	652.28	3/4	1,013.95	3/4	1,375.40	3/4	1,737.22	3/4	2,099.03	3/4	2,460.85	3/4	2,822.58	3/4	3,184.26	3/4	3,545.94
10	298.02	10	659.82	10	1,021.48	10	1,382.94	10	1,744.75	10	2,106.57	10	2,468.38	10	2,830.11	10	3,191.79	10	3,553.47
1/4	305.56	1/4	667.36	1/4	1,029.00	1/4	1,390.48	1/4	1,752.29	1/4	2,114.11	1/4	2,475.92	1/4	2,837.65	1/4	3,199.33	1/4	3,561.01
1/2	313.10	1/2	674.90	1/2	1,036.53	1/2	1,398.02	1/2	1,759.83	1/2	2,121.64	1/2	2,483.46	1/2	2,845.18	1/2	3,206.86	1/2	3,568.54
3/4	320.63	3/4	682.43	3/4	1,044.05	3/4	1,405.55	3/4	1,767.37	3/4	2,129.18	3/4	2,491.00	3/4	2,852.72	3/4	3,214.40	3/4	3,576.08
11	328.17	11	689.97	11	1,051.58	11	1,413.09	11	1,774.91	11	2,136.72	11	2,498.53	11	2,860.25	11	3,221.93	11	3,583.61
1/4	335.71	1/4	697.51	1/4	1,059.11	1/4	1,420.63	1/4	1,782.44	1/4	2,144.26	1/4	2,506.07	1/4	2,867.79	1/4	3,229.47	1/4	3,591.15
1/2	343.25	1/2	705.05	1/2	1,066.63	1/2	1,428.17	1/2	1,789.98	1/2	2,151.80	1/2	2,513.61	1/2	2,875.32	1/2	3,237.00	1/2	3,598.68
3/4	350.78	3/4	712.58	3/4	1,074.16	3/4	1,435.70	3/4	1,797.52	3/4	2,159.33	3/4	2,521.15	3/4	2,882.86	3/4	3,244.54	3/4	3,606.22

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 AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR TOP LIP OF 2" HERMETIC VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 10'-06" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "MM 128"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 15'-09"

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	3,613.75	0	3,975.39	0	4,329.48	0	4,670.34	0	4,996.47	0		0		0		0		0	
1/4	3,621.29	1/4	3,982.89	1/4	4,336.71	1/4	4,677.29	1/4	5,003.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,628.82	1/2	3,990.39	1/2	4,343.94	1/2	4,684.24	1/2	5,009.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.36	3/4	3,997.90	3/4	4,351.16	3/4	4,691.19	3/4	5,016.20	3/4		3/4		3/4		3/4		3/4	
1	3,643.89	1	4,005.40	1	4,358.39	1	4,698.14	1	5,022.78	1		1		1		1		1	
1/4	3,651.43	1/4	4,012.88	1/4	4,365.60	1/4	4,705.05	1/4	5,029.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,658.96	1/2	4,020.36	1/2	4,372.80	1/2	4,711.95	1/2	5,035.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,666.50	3/4	4,027.84	3/4	4,380.00	3/4	4,718.85	3/4	5,042.44	3/4		3/4		3/4		3/4		3/4	
2	3,674.03	2	4,035.32	2	4,387.21	2	4,725.76	2	5,049.00	2		2		2		2		2	
1/4	3,681.57	1/4	4,042.78	1/4	4,394.39	1/4	4,732.63	1/4	5,055.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,689.10	1/2	4,050.24	1/2	4,401.57	1/2	4,739.51	1/2	5,062.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,696.64	3/4	4,057.69	3/4	4,408.75	3/4	4,746.39	3/4	5,068.59	3/4		3/4		3/4		3/4		3/4	
3	3,704.17	3	4,065.15	3	4,415.94	3	4,753.26	3	5,075.12	3		3		3		3		3	
1/4	3,711.71	1/4	4,072.59	1/4	4,423.09	1/4	4,760.12	1/4	5,081.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,719.24	1/2	4,080.02	1/2	4,430.25	1/2	4,766.97	1/2	5,088.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,726.78	3/4	4,087.45	3/4	4,437.41	3/4	4,773.83	3/4	5,094.65	3/4		3/4		3/4		3/4		3/4	
4	3,734.31	4	4,094.89	4	4,444.57	4	4,780.68	4	5,101.16	4		4		4		4		4	
1/4	3,741.85	1/4	4,102.30	1/4	4,451.71	1/4	4,787.51	1/4	5,107.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,749.38	1/2	4,109.71	1/2	4,458.84	1/2	4,794.34	1/2	5,114.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,756.92	3/4	4,117.12	3/4	4,465.98	3/4	4,801.17	3/4	5,120.61	3/4		3/4		3/4		3/4		3/4	
5	3,764.45	5	4,124.53	5	4,473.11	5	4,808.00	5	5,127.10	5		5		5		5		5	
1/4	3,771.99	1/4	4,131.92	1/4	4,480.23	1/4	4,814.81	1/4	5,134.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,779.52	1/2	4,139.31	1/2	4,487.34	1/2	4,821.62	1/2	5,141.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,787.06	3/4	4,146.70	3/4	4,494.45	3/4	4,828.43	3/4	5,148.64	3/4		3/4		3/4		3/4		3/4	
6	3,794.59	6	4,154.09	6	4,501.56	6	4,835.23	6	5,155.82	6		6		6		6		6	
1/4	3,802.13	1/4	4,161.45	1/4	4,508.65	1/4	4,842.02	1/4	5,162.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,809.66	1/2	4,168.82	1/2	4,515.74	1/2	4,848.80	1/2	5,168.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,817.20	3/4	4,176.18	3/4	4,522.83	3/4	4,855.59	3/4	5,174.77	3/4		3/4		3/4		3/4		3/4	
7	3,824.73	7	4,183.55	7	4,529.92	7	4,862.37	7	5,181.09	7		7		7		7		7	
1/4	3,832.27	1/4	4,190.89	1/4	4,536.99	1/4	4,869.13	1/4	5,186.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,839.80	1/2	4,198.23	1/2	4,544.06	1/2	4,875.90	1/2	5,191.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,847.34	3/4	4,205.58	3/4	4,551.12	3/4	4,882.66	3/4	5,196.41	3/4		3/4		3/4		3/4		3/4	
8	3,854.87	8	4,212.92	8	4,558.19	8	4,889.42	8	5,201.51	8		8		8		8		8	
1/4	3,862.41	1/4	4,220.24	1/4	4,565.23	1/4	4,896.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,869.94	1/2	4,227.56	1/2	4,572.28	1/2	4,902.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,877.48	3/4	4,234.88	3/4	4,579.32	3/4	4,909.64	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,885.01	9	4,242.20	9	4,586.36	9	4,916.38	9		9		9		9		9		9	
1/4	3,892.55	1/4	4,249.49	1/4	4,593.39	1/4	4,923.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,900.08	1/2	4,256.79	1/2	4,600.41	1/2	4,929.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,907.62	3/4	4,264.09	3/4	4,607.43	3/4	4,936.53	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,915.15	10	4,271.38	10	4,614.45	10	4,943.25	10		10		10		10		10		10	
1/4	3,922.69	1/4	4,278.66	1/4	4,621.44	1/4	4,949.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,930.22	1/2	4,285.93	1/2	4,628.44	1/2	4,956.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,937.76	3/4	4,293.20	3/4	4,635.44	3/4	4,963.33	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,945.29	11	4,300.48	11	4,642.44	11	4,970.03	11		11		11		11		11		11	
1/4	3,952.81	1/4	4,307.73	1/4	4,649.41	1/4	4,976.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,960.34	1/2	4,314.98	1/2	4,656.39	1/2	4,983.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,967.86	3/4	4,322.23	3/4	4,663.36	3/4	4,989.86	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2019 CL  
CALCULATED: 09/17/2019 CL  
PRINTED: 09/17/2019 SW

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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Pearland, Texas 77588

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2019





# BARGE "MM 128"

## 2 STBD 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	21.34	0	358.31	0	720.09	0	1,073.85	0	1,427.28	0	1,789.07	0	2,150.87	0	2,512.66	0	2,874.37	0	3,236.04
1/4	25.58	1/4	365.84	1/4	727.63	1/4	1,081.05	1/4	1,434.81	1/4	1,796.61	1/4	2,158.40	1/4	2,520.20	1/4	2,881.91	1/4	3,243.57
1/2	29.82	1/2	373.38	1/2	735.17	1/2	1,088.24	1/2	1,442.35	1/2	1,804.15	1/2	2,165.94	1/2	2,527.74	1/2	2,889.44	1/2	3,251.11
3/4	34.06	3/4	380.92	3/4	742.70	3/4	1,095.43	3/4	1,449.89	3/4	1,811.68	3/4	2,173.48	3/4	2,535.27	3/4	2,896.98	3/4	3,258.64
1	38.30	1	388.46	1	750.24	1	1,102.63	1	1,457.43	1	1,819.22	1	2,181.02	1	2,542.81	1	2,904.51	1	3,266.18
1/4	43.79	1/4	395.99	1/4	757.78	1/4	1,109.82	1/4	1,464.96	1/4	1,826.76	1/4	2,188.55	1/4	2,550.35	1/4	2,912.05	1/4	3,273.71
1/2	49.29	1/2	403.53	1/2	765.32	1/2	1,117.01	1/2	1,472.50	1/2	1,834.30	1/2	2,196.09	1/2	2,557.89	1/2	2,919.58	1/2	3,281.25
3/4	54.78	3/4	411.07	3/4	772.85	3/4	1,124.21	3/4	1,480.04	3/4	1,841.83	3/4	2,203.63	3/4	2,565.42	3/4	2,927.12	3/4	3,288.78
2	60.28	2	418.61	2	780.39	2	1,131.40	2	1,487.58	2	1,849.37	2	2,211.17	2	2,572.96	2	2,934.65	2	3,296.32
1/4	67.03	1/4	426.14	1/4	787.93	1/4	1,138.60	1/4	1,495.11	1/4	1,856.91	1/4	2,218.70	1/4	2,580.50	1/4	2,942.19	1/4	3,303.85
1/2	73.78	1/2	433.68	1/2	795.47	1/2	1,145.79	1/2	1,502.65	1/2	1,864.45	1/2	2,226.24	1/2	2,588.04	1/2	2,949.72	1/2	3,311.39
3/4	80.53	3/4	441.22	3/4	803.00	3/4	1,152.98	3/4	1,510.19	3/4	1,871.98	3/4	2,233.78	3/4	2,595.57	3/4	2,957.26	3/4	3,318.92
3	87.28	3	448.75	3	810.54	3	1,160.18	3	1,517.72	3	1,879.52	3	2,241.32	3	2,603.11	3	2,964.79	3	3,326.46
1/4	94.74	1/4	456.29	1/4	818.08	1/4	1,167.37	1/4	1,525.26	1/4	1,887.06	1/4	2,248.85	1/4	2,610.65	1/4	2,972.32	1/4	3,333.99
1/2	102.20	1/2	463.83	1/2	825.61	1/2	1,174.56	1/2	1,532.80	1/2	1,894.59	1/2	2,256.39	1/2	2,618.19	1/2	2,979.86	1/2	3,341.53
3/4	109.66	3/4	471.37	3/4	833.15	3/4	1,181.76	3/4	1,540.34	3/4	1,902.13	3/4	2,263.93	3/4	2,625.73	3/4	2,987.39	3/4	3,349.06
4	117.12	4	478.90	4	840.69	4	1,188.95	4	1,547.87	4	1,909.67	4	2,271.46	4	2,633.26	4	2,994.93	4	3,356.59
1/4	124.65	1/4	486.44	1/4	848.23	1/4	1,196.14	1/4	1,555.41	1/4	1,917.21	1/4	2,279.00	1/4	2,640.80	1/4	3,002.46	1/4	3,364.13
1/2	132.19	1/2	493.98	1/2	855.76	1/2	1,203.34	1/2	1,562.95	1/2	1,924.74	1/2	2,286.54	1/2	2,648.33	1/2	3,010.00	1/2	3,371.66
3/4	139.73	3/4	501.51	3/4	863.30	3/4	1,210.53	3/4	1,570.49	3/4	1,932.28	3/4	2,294.08	3/4	2,655.87	3/4	3,017.53	3/4	3,379.20
5	147.27	5	509.05	5	870.84	5	1,217.73	5	1,578.02	5	1,939.82	5	2,301.61	5	2,663.40	5	3,025.07	5	3,386.73
1/4	154.80	1/4	516.59	1/4	878.37	1/4	1,224.93	1/4	1,585.56	1/4	1,947.36	1/4	2,309.15	1/4	2,670.94	1/4	3,032.60	1/4	3,394.27
1/2	162.34	1/2	524.13	1/2	885.91	1/2	1,232.13	1/2	1,593.10	1/2	1,954.89	1/2	2,316.69	1/2	2,678.47	1/2	3,040.14	1/2	3,401.80
3/4	169.88	3/4	531.66	3/4	893.45	3/4	1,239.34	3/4	1,600.64	3/4	1,962.43	3/4	2,324.23	3/4	2,686.01	3/4	3,047.67	3/4	3,409.34
6	177.41	6	539.20	6	900.99	6	1,246.54	6	1,608.17	6	1,969.97	6	2,331.76	6	2,693.54	6	3,055.21	6	3,416.87
1/4	184.95	1/4	546.74	1/4	908.23	1/4	1,254.04	1/4	1,615.71	1/4	1,977.51	1/4	2,339.30	1/4	2,701.08	1/4	3,062.74	1/4	3,424.41
1/2	192.49	1/2	554.27	1/2	915.48	1/2	1,261.54	1/2	1,623.25	1/2	1,985.04	1/2	2,346.84	1/2	2,708.61	1/2	3,070.28	1/2	3,431.94
3/4	200.03	3/4	561.81	3/4	922.73	3/4	1,269.03	3/4	1,630.79	3/4	1,992.58	3/4	2,354.38	3/4	2,716.15	3/4	3,077.81	3/4	3,439.48
7	207.56	7	569.35	7	929.97	7	1,276.53	7	1,638.32	7	2,000.12	7	2,361.91	7	2,723.68	7	3,085.35	7	3,447.01
1/4	215.10	1/4	576.89	1/4	937.17	1/4	1,284.07	1/4	1,645.86	1/4	2,007.66	1/4	2,369.45	1/4	2,731.21	1/4	3,092.88	1/4	3,454.55
1/2	222.64	1/2	584.42	1/2	944.36	1/2	1,291.60	1/2	1,653.40	1/2	2,015.19	1/2	2,376.99	1/2	2,738.75	1/2	3,100.41	1/2	3,462.08
3/4	230.18	3/4	591.96	3/4	951.56	3/4	1,299.14	3/4	1,660.94	3/4	2,022.73	3/4	2,384.53	3/4	2,746.28	3/4	3,107.95	3/4	3,469.62
8	237.71	8	599.50	8	958.75	8	1,306.68	8	1,668.47	8	2,030.27	8	2,392.06	8	2,753.82	8	3,115.48	8	3,477.15
1/4	245.25	1/4	607.04	1/4	965.95	1/4	1,314.22	1/4	1,676.01	1/4	2,037.81	1/4	2,399.60	1/4	2,761.35	1/4	3,123.02	1/4	3,484.68
1/2	252.79	1/2	614.57	1/2	973.14	1/2	1,321.75	1/2	1,683.55	1/2	2,045.34	1/2	2,407.14	1/2	2,768.89	1/2	3,130.55	1/2	3,492.22
3/4	260.32	3/4	622.11	3/4	980.33	3/4	1,329.29	3/4	1,691.09	3/4	2,052.88	3/4	2,414.68	3/4	2,776.42	3/4	3,138.09	3/4	3,499.75
9	267.86	9	629.65	9	987.53	9	1,336.83	9	1,698.62	9	2,060.42	9	2,422.21	9	2,783.96	9	3,145.62	9	3,507.29
1/4	275.40	1/4	637.18	1/4	994.72	1/4	1,344.36	1/4	1,706.16	1/4	2,067.96	1/4	2,429.75	1/4	2,791.49	1/4	3,153.16	1/4	3,514.82
1/2	282.94	1/2	644.72	1/2	1,001.91	1/2	1,351.90	1/2	1,713.70	1/2	2,075.49	1/2	2,437.29	1/2	2,799.03	1/2	3,160.69	1/2	3,522.36
3/4	290.47	3/4	652.26	3/4	1,009.11	3/4	1,359.44	3/4	1,721.23	3/4	2,083.03	3/4	2,444.83	3/4	2,806.56	3/4	3,168.23	3/4	3,529.89
10	298.01	10	659.80	10	1,016.30	10	1,366.98	10	1,728.77	10	2,090.57	10	2,452.36	10	2,814.10	10	3,175.76	10	3,537.43
1/4	305.55	1/4	667.33	1/4	1,023.50	1/4	1,374.51	1/4	1,736.31	1/4	2,098.10	1/4	2,459.90	1/4	2,821.63	1/4	3,183.30	1/4	3,544.96
1/2	313.08	1/2	674.87	1/2	1,030.69	1/2	1,382.05	1/2	1,743.85	1/2	2,105.64	1/2	2,467.44	1/2	2,829.17	1/2	3,190.83	1/2	3,552.50
3/4	320.62	3/4	682.41	3/4	1,037.88	3/4	1,389.59	3/4	1,751.38	3/4	2,113.18	3/4	2,474.97	3/4	2,836.70	3/4	3,198.37	3/4	3,560.03
11	328.16	11	689.94	11	1,045.08	11	1,397.13	11	1,758.92	11	2,120.72	11	2,482.51	11	2,844.23	11	3,205.90	11	3,567.57
1/4	335.70	1/4	697.48	1/4	1,052.27	1/4	1,404.66	1/4	1,766.46	1/4	2,128.25	1/4	2,490.05	1/4	2,851.77	1/4	3,213.44	1/4	3,575.10
1/2	343.23	1/2	705.02	1/2	1,059.46	1/2	1,412.20	1/2	1,774.00	1/2	2,135.79	1/2	2,497.59	1/2	2,859.30	1/2	3,220.97	1/2	3,582.64
3/4	350.77	3/4	712.56	3/4	1,066.66	3/4	1,419.74	3/4	1,781.53	3/4	2,143.33	3/4	2,505.12	3/4	2,866.84	3/4	3,228.50	3/4	3,590.17

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 AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR TOP LIP OF 2" HERMETIC VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 10'-06" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "MM 128"

## 2 STBD 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	3,597.70	0	3,959.33	0	4,313.41	0	4,654.24	0	4,980.35	0		0		0		0		0	
1/4	3,605.24	1/4	3,966.83	1/4	4,320.64	1/4	4,661.20	1/4	4,986.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,612.77	1/2	3,974.34	1/2	4,327.86	1/2	4,668.15	1/2	4,993.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,620.31	3/4	3,981.84	3/4	4,335.09	3/4	4,675.10	3/4	5,000.08	3/4		3/4		3/4		3/4		3/4	
1	3,627.84	1	3,989.34	1	4,342.32	1	4,682.05	1	5,006.66	1		1		1		1		1	
1/4	3,635.38	1/4	3,996.82	1/4	4,349.52	1/4	4,688.95	1/4	5,013.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.91	1/2	4,004.30	1/2	4,356.73	1/2	4,695.86	1/2	5,019.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,650.45	3/4	4,011.78	3/4	4,363.93	3/4	4,702.76	3/4	5,026.32	3/4		3/4		3/4		3/4		3/4	
2	3,657.98	2	4,019.26	2	4,371.13	2	4,709.66	2	5,032.87	2		2		2		2		2	
1/4	3,665.52	1/4	4,026.72	1/4	4,378.31	1/4	4,716.54	1/4	5,039.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.05	1/2	4,034.18	1/2	4,385.50	1/2	4,723.41	1/2	5,045.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,680.59	3/4	4,041.63	3/4	4,392.68	3/4	4,730.29	3/4	5,052.47	3/4		3/4		3/4		3/4		3/4	
3	3,688.12	3	4,049.09	3	4,399.86	3	4,737.17	3	5,059.00	3		3		3		3		3	
1/4	3,695.66	1/4	4,056.52	1/4	4,407.02	1/4	4,744.02	1/4	5,065.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,703.19	1/2	4,063.96	1/2	4,414.18	1/2	4,750.87	1/2	5,072.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,710.73	3/4	4,071.39	3/4	4,421.33	3/4	4,757.73	3/4	5,078.52	3/4		3/4		3/4		3/4		3/4	
4	3,718.26	4	4,078.83	4	4,428.49	4	4,764.58	4	5,085.03	4		4		4		4		4	
1/4	3,725.79	1/4	4,086.24	1/4	4,435.63	1/4	4,771.41	1/4	5,091.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,733.33	1/2	4,093.65	1/2	4,442.76	1/2	4,778.24	1/2	5,098.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,740.86	3/4	4,101.06	3/4	4,449.90	3/4	4,785.07	3/4	5,104.49	3/4		3/4		3/4		3/4		3/4	
5	3,748.40	5	4,108.47	5	4,457.03	5	4,791.90	5	5,110.97	5		5		5		5		5	
1/4	3,755.93	1/4	4,115.86	1/4	4,464.14	1/4	4,798.71	1/4	5,118.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,763.47	1/2	4,123.25	1/2	4,471.26	1/2	4,805.52	1/2	5,125.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,771.00	3/4	4,130.64	3/4	4,478.37	3/4	4,812.32	3/4	5,132.51	3/4		3/4		3/4		3/4		3/4	
6	3,778.54	6	4,138.02	6	4,485.48	6	4,819.13	6	5,139.69	6		6		6		6		6	
1/4	3,786.07	1/4	4,145.39	1/4	4,492.57	1/4	4,825.91	1/4	5,146.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,793.61	1/2	4,152.75	1/2	4,499.66	1/2	4,832.70	1/2	5,152.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,801.14	3/4	4,160.12	3/4	4,506.75	3/4	4,839.48	3/4	5,158.65	3/4		3/4		3/4		3/4		3/4	
7	3,808.68	7	4,167.48	7	4,513.84	7	4,846.27	7	5,164.96	7		7		7		7		7	
1/4	3,816.21	1/4	4,174.83	1/4	4,520.91	1/4	4,853.03	1/4	5,170.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,823.75	1/2	4,182.17	1/2	4,527.97	1/2	4,859.79	1/2	5,175.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,831.28	3/4	4,189.51	3/4	4,535.04	3/4	4,866.55	3/4	5,180.28	3/4		3/4		3/4		3/4		3/4	
8	3,838.82	8	4,196.85	8	4,542.10	8	4,873.31	8	5,185.38	8		8		8		8		8	
1/4	3,846.35	1/4	4,204.17	1/4	4,549.15	1/4	4,880.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,853.88	1/2	4,211.49	1/2	4,556.19	1/2	4,886.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,861.42	3/4	4,218.81	3/4	4,563.23	3/4	4,893.53	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,868.95	9	4,226.13	9	4,570.28	9	4,900.26	9		9		9		9		9		9	
1/4	3,876.49	1/4	4,233.43	1/4	4,577.30	1/4	4,906.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,884.02	1/2	4,240.72	1/2	4,584.32	1/2	4,913.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,891.56	3/4	4,248.02	3/4	4,591.34	3/4	4,920.42	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,899.09	10	4,255.31	10	4,598.36	10	4,927.13	10		10		10		10		10		10	
1/4	3,906.63	1/4	4,262.59	1/4	4,605.36	1/4	4,933.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,914.16	1/2	4,269.86	1/2	4,612.35	1/2	4,940.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,921.70	3/4	4,277.13	3/4	4,619.35	3/4	4,947.22	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,929.23	11	4,284.41	11	4,626.35	11	4,953.91	11		11		11		11		11		11	
1/4	3,936.76	1/4	4,291.66	1/4	4,633.32	1/4	4,960.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,944.28	1/2	4,298.91	1/2	4,640.30	1/2	4,967.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,951.80	3/4	4,306.16	3/4	4,647.27	3/4	4,973.74	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2019 CL  
CALCULATED: 09/17/2019 CL  
PRINTED: 09/17/2019 SW

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2019



# BARGE "MM 128"

# 3 PORT 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	21.25	0	356.78	0	717.01	0	1,077.06	0	1,437.14	0	1,797.39	0	2,157.62	0	2,517.79	0	2,877.77	0	3,236.86
1/4	25.47	1/4	364.28	1/4	724.52	1/4	1,084.55	1/4	1,444.65	1/4	1,804.90	1/4	2,165.13	1/4	2,525.29	1/4	2,885.26	1/4	3,244.32
1/2	29.69	1/2	371.79	1/2	732.02	1/2	1,092.05	1/2	1,452.15	1/2	1,812.40	1/2	2,172.63	1/2	2,532.80	1/2	2,892.75	1/2	3,251.77
3/4	33.91	3/4	379.29	3/4	739.53	3/4	1,099.54	3/4	1,459.66	3/4	1,819.91	3/4	2,180.13	3/4	2,540.30	3/4	2,900.24	3/4	3,259.23
1	38.13	1	386.80	1	747.03	1	1,107.04	1	1,467.16	1	1,827.41	1	2,187.64	1	2,547.81	1	2,907.73	1	3,266.69
1/4	43.61	1/4	394.30	1/4	754.54	1/4	1,114.54	1/4	1,474.67	1/4	1,834.92	1/4	2,195.14	1/4	2,555.31	1/4	2,915.22	1/4	3,274.14
1/2	49.08	1/2	401.81	1/2	762.04	1/2	1,122.03	1/2	1,482.17	1/2	1,842.42	1/2	2,202.64	1/2	2,562.81	1/2	2,922.71	1/2	3,281.60
3/4	54.55	3/4	409.31	3/4	769.55	3/4	1,129.53	3/4	1,489.68	3/4	1,849.93	3/4	2,210.15	3/4	2,570.32	3/4	2,930.19	3/4	3,289.05
2	60.02	2	416.82	2	777.05	2	1,137.02	2	1,497.18	2	1,857.43	2	2,217.65	2	2,577.82	2	2,937.68	2	3,296.51
1/4	66.74	1/4	424.32	1/4	784.56	1/4	1,144.52	1/4	1,504.69	1/4	1,864.94	1/4	2,225.16	1/4	2,585.32	1/4	2,945.17	1/4	3,303.96
1/2	73.47	1/2	431.83	1/2	792.06	1/2	1,152.01	1/2	1,512.19	1/2	1,872.44	1/2	2,232.66	1/2	2,592.83	1/2	2,952.66	1/2	3,311.42
3/4	80.19	3/4	439.33	3/4	799.57	3/4	1,159.51	3/4	1,519.70	3/4	1,879.95	3/4	2,240.16	3/4	2,600.33	3/4	2,960.15	3/4	3,318.87
3	86.91	3	446.84	3	807.07	3	1,167.01	3	1,527.20	3	1,887.45	3	2,247.67	3	2,607.83	3	2,967.64	3	3,326.33
1/4	94.34	1/4	454.34	1/4	814.58	1/4	1,174.50	1/4	1,534.71	1/4	1,894.96	1/4	2,255.17	1/4	2,615.34	1/4	2,975.13	1/4	3,333.79
1/2	101.77	1/2	461.85	1/2	822.08	1/2	1,182.00	1/2	1,542.21	1/2	1,902.46	1/2	2,262.67	1/2	2,622.84	1/2	2,982.62	1/2	3,341.26
3/4	109.19	3/4	469.35	3/4	829.59	3/4	1,189.49	3/4	1,549.72	3/4	1,909.97	3/4	2,270.18	3/4	2,630.34	3/4	2,990.11	3/4	3,348.73
4	116.62	4	476.86	4	837.09	4	1,196.99	4	1,557.22	4	1,917.47	4	2,277.68	4	2,637.84	4	2,997.60	4	3,356.20
1/4	124.13	1/4	484.36	1/4	844.60	1/4	1,204.49	1/4	1,564.73	1/4	1,924.98	1/4	2,285.18	1/4	2,645.34	1/4	3,005.09	1/4	3,363.67
1/2	131.63	1/2	491.87	1/2	852.10	1/2	1,211.99	1/2	1,572.23	1/2	1,932.48	1/2	2,292.69	1/2	2,652.85	1/2	3,012.58	1/2	3,371.14
3/4	139.14	3/4	499.37	3/4	859.61	3/4	1,219.49	3/4	1,579.74	3/4	1,939.99	3/4	2,300.19	3/4	2,660.35	3/4	3,020.07	3/4	3,378.61
5	146.64	5	506.88	5	867.11	5	1,227.00	5	1,587.24	5	1,947.49	5	2,307.69	5	2,667.85	5	3,027.56	5	3,386.08
1/4	154.15	1/4	514.38	1/4	874.62	1/4	1,234.50	1/4	1,594.75	1/4	1,955.00	1/4	2,315.20	1/4	2,675.35	1/4	3,035.05	1/4	3,393.55
1/2	161.65	1/2	521.89	1/2	882.12	1/2	1,242.01	1/2	1,602.26	1/2	1,962.50	1/2	2,322.70	1/2	2,682.85	1/2	3,042.53	1/2	3,401.02
3/4	169.16	3/4	529.39	3/4	889.63	3/4	1,249.51	3/4	1,609.76	3/4	1,970.01	3/4	2,330.20	3/4	2,690.36	3/4	3,050.02	3/4	3,408.50
6	176.66	6	536.90	6	897.13	6	1,257.02	6	1,617.27	6	1,977.52	6	2,337.71	6	2,697.86	6	3,057.51	6	3,415.97
1/4	184.17	1/4	544.40	1/4	904.63	1/4	1,264.52	1/4	1,624.77	1/4	1,985.02	1/4	2,345.21	1/4	2,705.36	1/4	3,065.00	1/4	3,423.44
1/2	191.67	1/2	551.91	1/2	912.13	1/2	1,272.03	1/2	1,632.28	1/2	1,992.53	1/2	2,352.71	1/2	2,712.86	1/2	3,072.49	1/2	3,430.91
3/4	199.18	3/4	559.41	3/4	919.64	3/4	1,279.53	3/4	1,639.78	3/4	2,000.03	3/4	2,360.22	3/4	2,720.36	3/4	3,079.98	3/4	3,438.38
7	206.68	7	566.92	7	927.14	7	1,287.04	7	1,647.29	7	2,007.54	7	2,367.72	7	2,727.87	7	3,087.47	7	3,445.85
1/4	214.18	1/4	574.42	1/4	934.63	1/4	1,294.54	1/4	1,654.79	1/4	2,015.04	1/4	2,375.23	1/4	2,735.37	1/4	3,094.96	1/4	3,453.32
1/2	221.69	1/2	581.92	1/2	942.13	1/2	1,302.05	1/2	1,662.30	1/2	2,022.55	1/2	2,382.73	1/2	2,742.87	1/2	3,102.45	1/2	3,460.79
3/4	229.19	3/4	589.43	3/4	949.63	3/4	1,309.55	3/4	1,669.80	3/4	2,030.05	3/4	2,390.23	3/4	2,750.37	3/4	3,109.94	3/4	3,468.26
8	236.70	8	596.93	8	957.12	8	1,317.06	8	1,677.31	8	2,037.56	8	2,397.74	8	2,757.87	8	3,117.43	8	3,475.73
1/4	244.20	1/4	604.44	1/4	964.62	1/4	1,324.56	1/4	1,684.81	1/4	2,045.06	1/4	2,405.24	1/4	2,765.38	1/4	3,124.92	1/4	3,483.20
1/2	251.71	1/2	611.94	1/2	972.12	1/2	1,332.07	1/2	1,692.32	1/2	2,052.57	1/2	2,412.74	1/2	2,772.88	1/2	3,132.41	1/2	3,490.67
3/4	259.21	3/4	619.45	3/4	979.61	3/4	1,339.57	3/4	1,699.82	3/4	2,060.08	3/4	2,420.25	3/4	2,780.39	3/4	3,139.90	3/4	3,498.14
9	266.72	9	626.95	9	987.11	9	1,347.08	9	1,707.33	9	2,067.58	9	2,427.75	9	2,787.89	9	3,147.38	9	3,505.61
1/4	274.22	1/4	634.46	1/4	994.60	1/4	1,354.58	1/4	1,714.83	1/4	2,075.09	1/4	2,435.25	1/4	2,795.38	1/4	3,154.84	1/4	3,510.08
1/2	281.73	1/2	641.96	1/2	1,002.10	1/2	1,362.09	1/2	1,722.34	1/2	2,082.59	1/2	2,442.76	1/2	2,802.87	1/2	3,162.30	1/2	3,514.55
3/4	289.23	3/4	649.47	3/4	1,009.59	3/4	1,369.59	3/4	1,729.84	3/4	2,090.09	3/4	2,450.26	3/4	2,810.36	3/4	3,169.76	3/4	3,519.02
10	296.74	10	656.97	10	1,017.09	10	1,377.10	10	1,737.35	10	2,097.60	10	2,457.76	10	2,817.86	10	3,177.22	10	3,523.48
1/4	304.24	1/4	664.48	1/4	1,024.59	1/4	1,384.60	1/4	1,744.85	1/4	2,105.10	1/4	2,465.27	1/4	2,825.34	1/4	3,184.68	1/4	3,527.52
1/2	311.75	1/2	671.98	1/2	1,032.08	1/2	1,392.11	1/2	1,752.36	1/2	2,112.60	1/2	2,472.77	1/2	2,832.83	1/2	3,192.13	1/2	3,531.56
3/4	319.25	3/4	679.49	3/4	1,039.58	3/4	1,399.61	3/4	1,759.86	3/4	2,120.11	3/4	2,480.27	3/4	2,840.32	3/4	3,199.59	3/4	3,535.60
11	326.76	11	686.99	11	1,047.07	11	1,407.12	11	1,767.37	11	2,127.61	11	2,487.78	11	2,847.81	11	3,207.04	11	3,539.64
1/4	334.26	1/4	694.50	1/4	1,054.57	1/4	1,414.63	1/4	1,774.87	1/4	2,135.11	1/4	2,495.28	1/4	2,855.30	1/4	3,214.50	1/4	3,543.68
1/2	341.77	1/2	702.00	1/2	1,062.06	1/2	1,422.13	1/2	1,782.38	1/2	2,142.62	1/2	2,502.78	1/2	2,862.79	1/2	3,221.95	1/2	3,547.72
3/4	349.27	3/4	709.51	3/4	1,069.56	3/4	1,429.64	3/4	1,789.89	3/4	2,150.12	3/4	2,510.29	3/4	2,870.28	3/4	3,229.41	3/4	3,551.75

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 AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR TOP LIP OF 2" HERMETIC VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 10'-06" OFF CENTERLINE AND 54'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
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# BARGE "MM 128"

## 3 PORT 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	3,555.79	0	3,749.62	0	3,939.40	0	4,122.10	0	4,296.93	0		0		0		0		0	
1/4	3,559.83	1/4	3,753.64	1/4	3,943.28	1/4	4,125.82	1/4	4,300.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,563.87	1/2	3,757.66	1/2	3,947.15	1/2	4,129.55	1/2	4,303.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,567.91	3/4	3,761.68	3/4	3,951.02	3/4	4,133.28	3/4	4,307.51	3/4		3/4		3/4		3/4		3/4	
1	3,571.95	1	3,765.70	1	3,954.90	1	4,137.00	1	4,311.03	1		1		1		1		1	
1/4	3,575.99	1/4	3,769.71	1/4	3,958.76	1/4	4,140.70	1/4	4,314.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,580.02	1/2	3,773.72	1/2	3,962.62	1/2	4,144.40	1/2	4,318.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,584.06	3/4	3,777.73	3/4	3,966.48	3/4	4,148.10	3/4	4,321.57	3/4		3/4		3/4		3/4		3/4	
2	3,588.10	2	3,781.74	2	3,970.34	2	4,151.81	2	4,325.09	2		2		2		2		2	
1/4	3,592.14	1/4	3,785.74	1/4	3,974.19	1/4	4,155.49	1/4	4,328.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,596.18	1/2	3,789.74	1/2	3,978.04	1/2	4,159.18	1/2	4,332.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,600.22	3/4	3,793.73	3/4	3,981.89	3/4	4,162.87	3/4	4,335.59	3/4		3/4		3/4		3/4		3/4	
3	3,604.25	3	3,797.73	3	3,985.74	3	4,166.55	3	4,339.09	3		3		3		3		3	
1/4	3,608.29	1/4	3,801.71	1/4	3,989.58	1/4	4,170.23	1/4	4,342.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,612.33	1/2	3,805.70	1/2	3,993.42	1/2	4,173.90	1/2	4,346.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,616.37	3/4	3,809.68	3/4	3,997.25	3/4	4,177.58	3/4	4,349.55	3/4		3/4		3/4		3/4		3/4	
4	3,620.41	4	3,813.67	4	4,001.09	4	4,181.25	4	4,353.04	4		4		4		4		4	
1/4	3,624.45	1/4	3,817.64	1/4	4,004.91	1/4	4,184.91	1/4	4,356.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,628.49	1/2	3,821.61	1/2	4,008.74	1/2	4,188.58	1/2	4,359.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,632.52	3/4	3,825.58	3/4	4,012.56	3/4	4,192.24	3/4	4,363.47	3/4		3/4		3/4		3/4		3/4	
5	3,636.56	5	3,829.56	5	4,016.39	5	4,195.90	5	4,366.95	5		5		5		5		5	
1/4	3,640.60	1/4	3,833.52	1/4	4,020.20	1/4	4,199.55	1/4	4,370.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,644.64	1/2	3,837.48	1/2	4,024.01	1/2	4,203.20	1/2	4,374.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,648.68	3/4	3,841.44	3/4	4,027.82	3/4	4,206.85	3/4	4,378.31	3/4		3/4		3/4		3/4		3/4	
6	3,652.72	6	3,845.40	6	4,031.64	6	4,210.50	6	4,382.09	6		6		6		6		6	
1/4	3,656.76	1/4	3,849.34	1/4	4,035.44	1/4	4,214.14	1/4	4,384.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,660.79	1/2	3,853.29	1/2	4,039.24	1/2	4,217.78	1/2	4,387.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,664.83	3/4	3,857.24	3/4	4,043.04	3/4	4,221.41	3/4	4,390.71	3/4		3/4		3/4		3/4		3/4	
7	3,668.87	7	3,861.19	7	4,046.84	7	4,225.05	7	4,393.58	7		7		7		7		7	
1/4	3,672.91	1/4	3,865.12	1/4	4,050.62	1/4	4,228.68	1/4	4,395.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,676.95	1/2	3,869.06	1/2	4,054.41	1/2	4,232.30	1/2	4,396.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,680.99	3/4	3,872.99	3/4	4,058.20	3/4	4,235.93	3/4	4,398.54	3/4		3/4		3/4		3/4		3/4	
8	3,685.02	8	3,876.93	8	4,061.99	8	4,239.55	8	4,400.20	8		8		8		8		8	
1/4	3,689.06	1/4	3,880.85	1/4	4,065.76	1/4	4,243.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.10	1/2	3,884.78	1/2	4,069.54	1/2	4,246.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,697.14	3/4	3,888.70	3/4	4,073.31	3/4	4,250.39	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,701.18	9	3,892.62	9	4,077.09	9	4,254.01	9		9		9		9		9		9	
1/4	3,705.22	1/4	3,896.53	1/4	4,080.85	1/4	4,257.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,709.26	1/2	3,900.44	1/2	4,084.61	1/2	4,261.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,713.29	3/4	3,904.35	3/4	4,088.38	3/4	4,264.81	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,717.33	10	3,908.26	10	4,092.14	10	4,268.41	10		10		10		10		10		10	
1/4	3,721.37	1/4	3,912.16	1/4	4,095.89	1/4	4,272.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,725.41	1/2	3,916.06	1/2	4,099.64	1/2	4,275.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,729.45	3/4	3,919.96	3/4	4,103.39	3/4	4,279.17	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,733.49	11	3,923.86	11	4,107.14	11	4,282.76	11		11		11		11		11		11	
1/4	3,737.52	1/4	3,927.74	1/4	4,110.88	1/4	4,286.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,741.55	1/2	3,931.63	1/2	4,114.62	1/2	4,289.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,745.59	3/4	3,935.52	3/4	4,118.36	3/4	4,293.39	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2019 CL  
CALCULATED: 09/17/2019 CL  
PRINTED: 09/17/2019 SW

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2019



# BARGE "MM 128"

# 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	21.25	0	356.26	0	715.95	0	1,064.06	0	1,417.15	0	1,776.20	0	2,135.76	0	2,495.25	0	2,854.56	0	3,212.80
1/4	25.47	1/4	363.76	1/4	723.44	1/4	1,071.22	1/4	1,424.58	1/4	1,783.70	1/4	2,143.25	1/4	2,502.74	1/4	2,862.03	1/4	3,220.24
1/2	29.69	1/2	371.25	1/2	730.93	1/2	1,078.37	1/2	1,432.01	1/2	1,791.19	1/2	2,150.74	1/2	2,510.23	1/2	2,869.51	1/2	3,227.68
3/4	33.91	3/4	378.74	3/4	738.43	3/4	1,085.53	3/4	1,439.44	3/4	1,798.68	3/4	2,158.23	3/4	2,517.72	3/4	2,876.98	3/4	3,235.12
1	38.14	1	386.24	1	745.92	1	1,092.68	1	1,446.87	1	1,806.17	1	2,165.71	1	2,525.21	1	2,884.46	1	3,242.56
1/4	43.60	1/4	393.73	1/4	753.41	1/4	1,099.84	1/4	1,454.30	1/4	1,813.66	1/4	2,173.20	1/4	2,532.70	1/4	2,891.93	1/4	3,250.00
1/2	49.06	1/2	401.22	1/2	760.91	1/2	1,106.99	1/2	1,461.72	1/2	1,821.15	1/2	2,180.69	1/2	2,540.19	1/2	2,899.40	1/2	3,257.44
3/4	54.52	3/4	408.72	3/4	768.40	3/4	1,114.15	3/4	1,469.15	3/4	1,828.64	3/4	2,188.18	3/4	2,547.68	3/4	2,906.86	3/4	3,264.89
2	59.98	2	416.21	2	775.89	2	1,121.30	2	1,476.58	2	1,836.13	2	2,195.67	2	2,555.17	2	2,914.33	2	3,272.33
1/4	66.69	1/4	423.70	1/4	783.39	1/4	1,128.46	1/4	1,484.07	1/4	1,843.63	1/4	2,203.16	1/4	2,562.66	1/4	2,921.80	1/4	3,279.77
1/2	73.39	1/2	431.20	1/2	790.88	1/2	1,135.61	1/2	1,491.55	1/2	1,851.12	1/2	2,210.65	1/2	2,570.15	1/2	2,929.27	1/2	3,287.21
3/4	80.09	3/4	438.69	3/4	798.37	3/4	1,142.77	3/4	1,499.03	3/4	1,858.61	3/4	2,218.14	3/4	2,577.64	3/4	2,936.74	3/4	3,294.65
3	86.79	3	446.18	3	805.87	3	1,149.93	3	1,506.52	3	1,866.10	3	2,225.63	3	2,585.13	3	2,944.20	3	3,302.09
1/4	94.21	1/4	453.68	1/4	813.11	1/4	1,157.33	1/4	1,514.01	1/4	1,873.59	1/4	2,233.12	1/4	2,592.61	1/4	2,951.67	1/4	3,309.55
1/2	101.62	1/2	461.17	1/2	820.35	1/2	1,164.73	1/2	1,521.50	1/2	1,881.08	1/2	2,240.61	1/2	2,600.10	1/2	2,959.14	1/2	3,317.00
3/4	109.04	3/4	468.66	3/4	827.60	3/4	1,172.14	3/4	1,528.99	3/4	1,888.57	3/4	2,248.10	3/4	2,607.59	3/4	2,966.61	3/4	3,324.45
4	116.45	4	476.16	4	834.84	4	1,179.54	4	1,536.48	4	1,896.06	4	2,255.59	4	2,615.08	4	2,974.08	4	3,331.91
1/4	123.95	1/4	483.65	1/4	842.03	1/4	1,186.96	1/4	1,543.97	1/4	1,903.56	1/4	2,263.08	1/4	2,622.57	1/4	2,981.54	1/4	3,339.37
1/2	131.45	1/2	491.14	1/2	849.21	1/2	1,194.37	1/2	1,551.46	1/2	1,911.05	1/2	2,270.57	1/2	2,630.05	1/2	2,989.01	1/2	3,346.82
3/4	138.95	3/4	498.64	3/4	856.39	3/4	1,201.78	3/4	1,558.96	3/4	1,918.54	3/4	2,278.06	3/4	2,637.54	3/4	2,996.48	3/4	3,354.28
5	146.44	5	506.13	5	863.58	5	1,209.20	5	1,566.45	5	1,926.03	5	2,285.55	5	2,645.03	5	3,003.95	5	3,361.74
1/4	153.94	1/4	513.62	1/4	870.76	1/4	1,216.61	1/4	1,573.94	1/4	1,933.52	1/4	2,293.04	1/4	2,652.52	1/4	3,011.41	1/4	3,369.19
1/2	161.43	1/2	521.12	1/2	877.94	1/2	1,224.02	1/2	1,581.43	1/2	1,941.01	1/2	2,300.53	1/2	2,660.01	1/2	3,018.88	1/2	3,376.65
3/4	168.93	3/4	528.61	3/4	885.12	3/4	1,231.44	3/4	1,588.92	3/4	1,948.50	3/4	2,308.02	3/4	2,667.50	3/4	3,026.35	3/4	3,384.11
6	176.42	6	536.10	6	892.30	6	1,238.85	6	1,596.41	6	1,955.99	6	2,315.50	6	2,674.98	6	3,033.82	6	3,391.56
1/4	183.91	1/4	543.60	1/4	899.46	1/4	1,246.28	1/4	1,603.90	1/4	1,963.49	1/4	2,322.99	1/4	2,682.47	1/4	3,041.28	1/4	3,399.02
1/2	191.41	1/2	551.09	1/2	906.63	1/2	1,253.70	1/2	1,611.40	1/2	1,970.98	1/2	2,330.48	1/2	2,689.96	1/2	3,048.75	1/2	3,406.48
3/4	198.90	3/4	558.58	3/4	913.79	3/4	1,261.13	3/4	1,618.89	3/4	1,978.47	3/4	2,337.97	3/4	2,697.45	3/4	3,056.22	3/4	3,413.93
7	206.39	7	566.08	7	920.95	7	1,268.56	7	1,626.38	7	1,985.96	7	2,345.46	7	2,704.94	7	3,063.69	7	3,421.39
1/4	213.89	1/4	573.57	1/4	928.10	1/4	1,275.99	1/4	1,633.87	1/4	1,993.45	1/4	2,352.95	1/4	2,712.42	1/4	3,071.16	1/4	3,428.85
1/2	221.38	1/2	581.06	1/2	935.26	1/2	1,283.42	1/2	1,641.36	1/2	2,000.94	1/2	2,360.44	1/2	2,719.91	1/2	3,078.64	1/2	3,436.30
3/4	228.88	3/4	588.56	3/4	942.42	3/4	1,290.85	3/4	1,648.85	3/4	2,008.43	3/4	2,367.93	3/4	2,727.40	3/4	3,086.11	3/4	3,443.76
8	236.37	8	596.05	8	949.57	8	1,298.28	8	1,656.34	8	2,015.93	8	2,375.42	8	2,734.89	8	3,093.59	8	3,451.21
1/4	243.86	1/4	603.55	1/4	956.73	1/4	1,305.71	1/4	1,663.83	1/4	2,023.41	1/4	2,382.91	1/4	2,742.38	1/4	3,101.06	1/4	3,458.67
1/2	251.36	1/2	611.04	1/2	963.88	1/2	1,313.13	1/2	1,671.33	1/2	2,030.90	1/2	2,390.40	1/2	2,749.87	1/2	3,108.54	1/2	3,466.13
3/4	258.85	3/4	618.53	3/4	971.04	3/4	1,320.56	3/4	1,678.82	3/4	2,038.39	3/4	2,397.89	3/4	2,757.36	3/4	3,116.01	3/4	3,473.58
9	266.34	9	626.03	9	978.19	9	1,327.99	9	1,686.31	9	2,045.88	9	2,405.38	9	2,764.85	9	3,123.49	9	3,481.04
1/4	273.84	1/4	633.52	1/4	985.35	1/4	1,335.42	1/4	1,693.80	1/4	2,053.37	1/4	2,412.87	1/4	2,772.32	1/4	3,130.93	1/4	3,488.49
1/2	281.33	1/2	641.01	1/2	992.50	1/2	1,342.85	1/2	1,701.29	1/2	2,060.86	1/2	2,420.36	1/2	2,779.80	1/2	3,138.38	1/2	3,495.95
3/4	288.82	3/4	648.51	3/4	999.66	3/4	1,350.28	3/4	1,708.78	3/4	2,068.35	3/4	2,427.85	3/4	2,787.28	3/4	3,145.82	3/4	3,494.40
10	296.32	10	656.00	10	1,006.82	10	1,357.71	10	1,716.27	10	2,075.84	10	2,435.34	10	2,794.75	10	3,153.27	10	3,498.85
1/4	303.81	1/4	663.49	1/4	1,013.97	1/4	1,365.14	1/4	1,723.76	1/4	2,083.33	1/4	2,442.83	1/4	2,802.23	1/4	3,160.71	1/4	3,502.87
1/2	311.30	1/2	670.99	1/2	1,021.13	1/2	1,372.57	1/2	1,731.26	1/2	2,090.82	1/2	2,450.32	1/2	2,809.71	1/2	3,168.15	1/2	3,506.90
3/4	318.80	3/4	678.48	3/4	1,028.28	3/4	1,380.00	3/4	1,738.75	3/4	2,098.31	3/4	2,457.81	3/4	2,817.18	3/4	3,175.59	3/4	3,510.92
11	326.29	11	685.97	11	1,035.44	11	1,387.43	11	1,746.24	11	2,105.80	11	2,465.29	11	2,824.66	11	3,183.03	11	3,514.94
1/4	333.78	1/4	693.47	1/4	1,042.59	1/4	1,394.86	1/4	1,753.73	1/4	2,113.29	1/4	2,472.78	1/4	2,832.13	1/4	3,190.47	1/4	3,518.96
1/2	341.28	1/2	700.96	1/2	1,049.75	1/2	1,402.29	1/2	1,761.22	1/2	2,120.78	1/2	2,480.27	1/2	2,839.61	1/2	3,197.92	1/2	3,522.99
3/4	348.77	3/4	708.45	3/4	1,056.90	3/4	1,409.72	3/4	1,768.71	3/4	2,128.27	3/4	2,487.76	3/4	2,847.08	3/4	3,205.36	3/4	3,527.01

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 AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR TOP LIP OF 2" HERMETIC VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 10'-06" OFF CENTERLINE AND 54'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "MM 128"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	3,531.03	0	3,724.11	0	3,913.13	0	4,095.07	0	4,269.14	0		0		0		0		0	
1/4	3,535.05	1/4	3,728.11	1/4	3,916.99	1/4	4,098.78	1/4	4,272.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,539.08	1/2	3,732.12	1/2	3,920.85	1/2	4,102.49	1/2	4,276.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,543.10	3/4	3,736.12	3/4	3,924.71	3/4	4,106.20	3/4	4,279.67	3/4		3/4		3/4		3/4		3/4	
1	3,547.12	1	3,740.13	1	3,928.57	1	4,109.91	1	4,283.18	1		1		1		1		1	
1/4	3,551.15	1/4	3,744.12	1/4	3,932.41	1/4	4,113.60	1/4	4,286.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,555.17	1/2	3,748.12	1/2	3,936.26	1/2	4,117.28	1/2	4,290.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,559.19	3/4	3,752.11	3/4	3,940.10	3/4	4,120.97	3/4	4,293.67	3/4		3/4		3/4		3/4		3/4	
2	3,563.21	2	3,756.10	2	3,943.95	2	4,124.65	2	4,297.17	2		2		2		2		2	
1/4	3,567.24	1/4	3,760.08	1/4	3,947.78	1/4	4,128.32	1/4	4,300.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,571.26	1/2	3,764.07	1/2	3,951.62	1/2	4,131.99	1/2	4,304.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,575.28	3/4	3,768.05	3/4	3,955.45	3/4	4,135.67	3/4	4,307.62	3/4		3/4		3/4		3/4		3/4	
3	3,579.30	3	3,772.03	3	3,959.28	3	4,139.34	3	4,311.11	3		3		3		3		3	
1/4	3,583.33	1/4	3,776.00	1/4	3,963.11	1/4	4,143.00	1/4	4,314.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,587.35	1/2	3,779.97	1/2	3,966.93	1/2	4,146.65	1/2	4,318.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,591.37	3/4	3,783.93	3/4	3,970.75	3/4	4,150.31	3/4	4,321.53	3/4		3/4		3/4		3/4		3/4	
4	3,595.40	4	3,787.90	4	3,974.57	4	4,153.97	4	4,325.00	4		4		4		4		4	
1/4	3,599.42	1/4	3,791.86	1/4	3,978.38	1/4	4,157.62	1/4	4,328.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.44	1/2	3,795.82	1/2	3,982.19	1/2	4,161.26	1/2	4,331.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,607.46	3/4	3,799.77	3/4	3,985.99	3/4	4,164.91	3/4	4,335.38	3/4		3/4		3/4		3/4		3/4	
5	3,611.49	5	3,803.73	5	3,989.80	5	4,168.56	5	4,338.84	5		5		5		5		5	
1/4	3,615.51	1/4	3,807.67	1/4	3,993.60	1/4	4,172.19	1/4	4,342.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,619.53	1/2	3,811.62	1/2	3,997.40	1/2	4,175.83	1/2	4,346.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,623.55	3/4	3,815.56	3/4	4,001.19	3/4	4,179.46	3/4	4,350.15	3/4		3/4		3/4		3/4		3/4	
6	3,627.58	6	3,819.51	6	4,004.99	6	4,183.09	6	4,353.92	6		6		6		6		6	
1/4	3,631.60	1/4	3,823.44	1/4	4,008.77	1/4	4,186.72	1/4	4,356.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,635.62	1/2	3,827.37	1/2	4,012.56	1/2	4,190.34	1/2	4,359.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,639.65	3/4	3,831.30	3/4	4,016.34	3/4	4,193.96	3/4	4,362.49	3/4		3/4		3/4		3/4		3/4	
7	3,643.67	7	3,835.23	7	4,020.13	7	4,197.58	7	4,365.35	7		7		7		7		7	
1/4	3,647.69	1/4	3,839.15	1/4	4,023.90	1/4	4,201.19	1/4	4,366.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,651.71	1/2	3,843.07	1/2	4,027.67	1/2	4,204.80	1/2	4,368.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,655.74	3/4	3,846.99	3/4	4,031.44	3/4	4,208.41	3/4	4,370.26	3/4		3/4		3/4		3/4		3/4	
8	3,659.76	8	3,850.91	8	4,035.21	8	4,212.02	8	4,371.90	8		8		8		8		8	
1/4	3,663.78	1/4	3,854.82	1/4	4,038.97	1/4	4,215.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,667.80	1/2	3,858.73	1/2	4,042.73	1/2	4,219.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,671.83	3/4	3,862.64	3/4	4,046.49	3/4	4,222.81	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,675.85	9	3,866.54	9	4,050.25	9	4,226.41	9		9		9		9		9		9	
1/4	3,679.87	1/4	3,870.44	1/4	4,054.00	1/4	4,229.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,683.89	1/2	3,874.33	1/2	4,057.75	1/2	4,233.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,687.92	3/4	3,878.23	3/4	4,061.49	3/4	4,237.16	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,691.94	10	3,882.12	10	4,065.24	10	4,240.75	10		10		10		10		10		10	
1/4	3,695.96	1/4	3,886.01	1/4	4,068.98	1/4	4,244.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,699.99	1/2	3,889.89	1/2	4,072.71	1/2	4,247.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,704.01	3/4	3,893.77	3/4	4,076.45	3/4	4,251.46	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,708.03	11	3,897.65	11	4,080.18	11	4,255.04	11		11		11		11		11		11	
1/4	3,712.05	1/4	3,901.52	1/4	4,083.90	1/4	4,258.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,716.07	1/2	3,905.39	1/2	4,087.63	1/2	4,262.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,720.09	3/4	3,909.26	3/4	4,091.35	3/4	4,265.62	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2019 CL  
CALCULATED: 09/17/2019 CL  
PRINTED: 09/17/2019 SW

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2019