BARGE "E2MS 102"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**
1 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
2 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
3 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8

(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 3 CENTER IS - 00-3/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 5/8'

LENGTH BETWEEN DRAFT MARKS: 166'-09"

August 1, 2018

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

http://www.pmacorp.net

BARGE "E2MS 102"

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	4.09	0	225.00	0	477.76	0	727.14	0	976.12	0	1,228.14	0	1,480.17	0	1,731.95	0	1,983.55	0	2,235.64
1/4	4.97	1/4	230.26	1/4	483.02	1/4	732.24	1/4	981.37	1/4	1,233.39	1/4	1,485.42	1/4	1,737.18	1/4	1,988.80	1/4	2,240.90
1/2	5.85	1/2	235.53	1/2	488.29	1/2	737.33	1/2	986.62	1/2	1,238.64	1/2	1,490.67	1/2	1,742.42	1/2	1,994.05	1/2	2,246.15
3/4	6.72	3/4	240.79	3/4	493.55	3/4	742.42	3/4	991.87	3/4	1,243.89	3/4	1,495.92	3/4	1,747.65	3/4	1,999.30	3/4	2,251.40
1	7.60	1	246.06	1	498.82	1	747.52	1	997.12	1	1,249.14	1	1,501.17	1	1,752.88	1	2,004.56	1	2,256.65
1/4	10.23	1/4	251.33	1/4	504.08	1/4	752.61	1/4	1,002.37	1/4	1,254.39	1/4	1,506.42	1/4	1,758.12	1/4	2,009.81	1/4	2,261.90
1/2	12.86	1/2	256.59	1/2	509.35	1/2	757.70	1/2	1,007.62	1/2	1,259.65	1/2	1,511.67	1/2	1,763.35	1/2	2,015.06	1/2	2,267.16
3/4	15.50	3/4	261.86	3/4	514.62	3/4	762.80	3/4	1,012.87	3/4	1,264.90	3/4	1,516.91	3/4	1,768.59	3/4	2,020.31	3/4	2,272.41
2	18.13	2	267.12	2	519.88	2	767.89	2	1,018.12	2	1,270.15	2	1,522.16	2	1,773.82	2	2,025.56	2	2,277.66
1/4	22.51	1/4	272.39	1/4	525.15	1/4	772.98	1/4	1,023.37	1/4	1,275.40	1/4	1,527.41	1/4	1,779.06	1/4	2,030.82	1/4	2,282.91
1/2	26.90	1/2	277.66	1/2	530.41	1/2	778.08	1/2	1,028.62	1/2	1,280.65	1/2	1,532.66	1/2	1,784.29	1/2	2,036.07	1/2	2,288.16
3/4	31.28	3/4	282.92	3/4	535.68	3/4	783.17	3/4	1,033.87	3/4	1,285.90	3/4	1,537.91	3/4	1,789.52	3/4	2,041.32	3/4	2,293.42
3	35.67	3	288.19	3	540.95	3	788.26	3	1,039.12	3	1,291.15	3	1,543.16	3	1,794.76	3	2,046.57	3	2,298.67
1/4	40.89	1/4	293.45	1/4	546.21	1/4	793.36	1/4	1,044.37	1/4	1,296.40	1/4	1,548.41	1/4	1,799.99	1/4	2,051.82	1/4	2,303.92
1/2	46.11	1/2	298.72	1/2	551.48	1/2	798.45	1/2	1,049.63	1/2	1,301.65	1/2	1,553.66	1/2	1,805.23	1/2	2,057.08	1/2	2,309.17
3/4	51.33	3/4	303.98	3/4	556.74	3/4	803.54	3/4	1,054.88	3/4	1,306.90	3/4	1,558.91	3/4	1,810.46	3/4	2,062.33	3/4	2,314.42
4	56.55	4	309.25	4	562.01	4	808.64	4	1,060.13	4	1,312.15	4	1,564.15	4	1,815.70	4	2,067.58	4	2,319.68
1/4	61.80	1/4	314.52	1/4	567.27	1/4	813.75	1/4	1,065.38	1/4	1,317.40	1/4	1,569.40	1/4	1,820.93	1/4	2,072.83	1/4	2,324.93
1/2	67.06	1/2	319.78	1/2	572.54	1/2	818.87	1/2	1,070.63	1/2	1,322.65	1/2	1,574.65	1/2	1,826.16	1/2	2,078.08	1/2	2,330.18
3/4	72.31	3/4	325.05	3/4	577.81	3/4	823.99	3/4	1,075.88	3/4	1,327.90	3/4	1,579.90	3/4	1,831.40	3/4	2,083.34	3/4	2,335.43
5	77.56	5	330.31	5	583.07	5	829.10	5	1,081.13	5	1,333.15	5	1,585.15	5	1,836.63	5	2,088.59	5	2,340.68
1/4	82.83	1/4	335.58	1/4	588.34	1/4	834.35	1/4	1,086.38	1/4	1,338.40	1/4	1,590.40	1/4	1,841.87	1/4	2,093.84	1/4	2,345.94
1/2	88.09	1/2	340.85	1/2	593.60	1/2	839.61	1/2	1,091.63	1/2	1,343.65	1/2	1,595.65	1/2	1,847.10	1/2	2,099.09	1/2	2,351.19
3/4	93.35	3/4	346.11	3/4	598.87	3/4	844.86	3/4	1,096.88	3/4	1,348.90	3/4	1,600.90	3/4	1,852.34	3/4	2,104.34	3/4	2,356.44
6	98.62	6	351.38	6	604.14	6	850.11	6	1,102.13	6	1,354.15	6	1,606.14	6	1,857.57	6	2,109.60	6	2,361.69
1/4	103.88	1/4	356.64	1/4	609.40	1/4	855.36	1/4	1,107.38	1/4	1,359.40	1/4	1,611.39	1/4	1,862.80	1/4	2,114.85	1/4	2,366.94
1/2	109.15	1/2	361.91	1/2	614.67	1/2	860.61	1/2	1,112.63	1/2	1,364.66	1/2	1,616.64	1/2	1,868.04	1/2	2,120.10	1/2	2,372.20
3/4	114.42	3/4	367.17	3/4	619.93	3/4	865.86	3/4	1,117.88	3/4	1,369.91	3/4	1,621.89	3/4	1,873.27	3/4	2,125.35	3/4	2,377.45
7	119.68	7	372.44	7	625.20	7	871.11	7	1,123.13	7	1,375.16	7	1,627.14	7	1,878.51	7	2,130.60	7	2,382.70
1/4	124.95	1/4	377.71	1/4	630.33	1/4	876.36	1/4	1,128.38	1/4	1,380.41	1/4	1,632.39	1/4	1,883.76	1/4	2,135.86	1/4	2,387.95
1/2	130.21	1/2	382.97	1/2	635.46	1/2	881.61	1/2	1,133.63	1/2	1,385.66	1/2	1,637.64	1/2	1,889.01	1/2	2,141.11	1/2	2,393.20
3/4	135.48	3/4	388.24	3/4	640.59	3/4	886.86	3/4	1,138.88	3/4	1,390.91	3/4	1,642.89	3/4	1,894.26	3/4	2,146.36	3/4	2,398.46
8	140.74	8	393.50	8	645.72	8	892.11	8	1,144.13	8	1,396.16	8	1,648.14	8	1,899.52	8	2,151.61	8	2,403.71
1/4	146.01	1/4	398.77	1/4	650.81	1/4	897.36	1/4	1,149.38	1/4	1,401.41	1/4	1,653.39	1/4	1,904.77	1/4	2,156.86	1/4	2,408.96
1/2	151.28	1/2	404.03	1/2	655.90	1/2	902.61	1/2	1,154.64	1/2	1,406.66	1/2	1,658.64	1/2	1,910.02	1/2	2,162.12	1/2	2,414.21
3/4	156.54	3/4	409.30	3/4	661.00	3/4	907.86	3/4	1,159.89	3/4	1,411.91	3/4	1,663.89	3/4	1,915.27	3/4	2,167.37	3/4	2,419.46
9	161.81	9	414.57	9	666.09	9	913.11	9	1,165.14	9	1,417.16	9	1,669.14	9	1,920.52	9	2,172.62	9	2,424.72
1/4	167.07	1/4	419.83	1/4	671.18	1/4	918.36	1/4	1,170.39	1/4	1,422.41	1/4	1,674.37	1/4	1,925.78	1/4	2,177.87	1/4	2,429.97
1/2	172.34	1/2	425.10	1/2	676.28	1/2	923.61	1/2	1,175.64	1/2	1,427.66	1/2	1,679.60	1/2	1,931.03	1/2	2,183.12	1/2	2,435.22
3/4	177.61	3/4	430.36	3/4	681.37	3/4	928.86	3/4	1,180.89	3/4	1,432.91	3/4	1,684.84	3/4	1,936.28	3/4	2,188.38	3/4	2,440.47
10	182.87	10	435.63	10	686.46	10	934.11	10	1,186.14	10	1,438.16	10	1,690.07	10	1,941.53	10	2,193.63	10	2,445.72
1/4	188.14	1/4	440.90	1/4	691.55	1/4	939.36	1/4	1,191.39	1/4	1,443.41	1/4	1,695.31	1/4	1,946.78	1/4	2,198.88	1/4	2,450.98
1/2	193.40	1/2	446.16	1/2	696.63	1/2	944.62	1/2	1,196.64	1/2	1,448.66	1/2	1,700.54	1/2	1,952.04	1/2	2,204.13	1/2	2,456.23
3/4	198.67	3/4	451.43	3/4	701.72	3/4	949.87	3/4	1,201.89	3/4	1,453.91	3/4	1,705.78	3/4	1,957.29	3/4	2,209.38	3/4	2,461.48
11	203.93	11	456.69	11	706.80	11	955.12	11	1,207.14	11	1,459.16	11	1,711.01	11	1,962.54	11	2,214.64	11	2,466.73
1/4	209.20	1/4	461.96	1/4	711.89	1/4	960.37	1/4	1,212.39	1/4	1,464.41	1/4	1,716.24	1/4	1,967.79	1/4	2,219.89	1/4	2,471.98
1/2	214.47	1/2	467.22	1/2	716.97	1/2	965.62	1/2	1,217.64	1/2	1,469.67	1/2	1,721.48	1/2	1,973.04	1/2	2,225.14	1/2	2,477.24
3/4	219.73	3/4	472.49	3/4	722.06	3/4	970.87	3/4	1,222.89	3/4	1,474.92	3/4	1,726.71	3/4	1,978.30	3/4	2,230.39	3/4	2,482.49

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" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-03" FORWARD OF AFT BULKHEAD

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

BARGE "E2MS 102"

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	2,487.74	0	2,724.94	0	2,941.56	0	3,158.19	0	3,374.81	0		0		0		0		0	
1/4	2,492.99	1/4	2,729.45	1/4	2,946.08	1/4	3,162.70	1/4	3,379.32	1/4		1/4		1/4		1/4		1/4	
1/2	2,498.24	1/2	2,733.96	1/2	2,950.59	1/2	3,167.21	1/2	3,383.84	1/2		1/2		1/2		1/2		1/2	
3/4	2,503.50	3/4	2,738.48	3/4	2,955.10	3/4	3,171.73	3/4	3,388.35	3/4		3/4		3/4		3/4		3/4	
1	2,508.75	1	2,742.99	1	2,959.61	1	3,176.24	1	3,392.86	1		1		1		1		1	
1/4	2,514.00	1/4	2,747.50	1/4	2,964.13	1/4	3,180.75	1/4	3,397.38	1/4		1/4		1/4		1/4		1/4	
1/2	2,519.25	1/2	2,752.02	1/2	2,968.64	1/2	3,185.26	1/2	3,401.89	1/2		1/2		1/2		1/2		1/2	
3/4	2,524.50	3/4	2,756.53	3/4	2,973.15	3/4	3,189.78	3/4	3,406.40	3/4		3/4		3/4		3/4		3/4	
2	2,529.76	2	2,761.04	2	2,977.67	2	3,194.29	2	3,410.91	2		2		2		2		2	
1/4	2,535.01	1/4	2,765.56	1/4	2,982.18	1/4	3,198.80	1/4	3,415.43	1/4		1/4		1/4		1/4		1/4	
1/2	2,540.26	1/2	2,770.07	1/2	2,986.69	1/2	3,203.32	1/2	3,419.94	1/2		1/2		1/2		1/2		1/2	
3/4	2,545.51	3/4	2,774.58	3/4	2,991.21	3/4	3,207.83	3/4	3,424.45	3/4		3/4		3/4		3/4		3/4	
3	2,550.76	3	2,779.09	3	2,995.72	3	3,212.34	3	3,428.96	3		3		3		3		3	
1/4	2,556.02	1/4	2,783.61	1/4	3,000.23	1/4	3,216.86	1/4	3,433.46	1/4		1/4		1/4		1/4		1/4	
1/2	2,561.27	1/2	2,788.12	1/2	3,004.74	1/2	3,221.37	1/2	3,437.96	1/2		1/2		1/2		1/2		1/2	
3/4	2,566.52	3/4	2,792.63	3/4	3,009.26	3/4	3,225.88	3/4	3,442.46	3/4		3/4		3/4		3/4		3/4	
4	2,571.77	4	2,797.15	4	3,013.77	4	3,230.39	4	3,446.96	4		4		4		4		4	
1/4	2,577.02	1/4	2,801.66	1/4	3,018.28	1/4	3,234.91	1/4	3,451.43	1/4		1/4		1/4		1/4		1/4	
1/2	2,582.28	1/2	2,806.17	1/2	3,022.80	1/2	3,239.42	1/2	3,455.90	1/2		1/2		1/2		1/2		1/2	
3/4	2,587.53	3/4	2,810.69	3/4	3,027.31	3/4	3,243.93	3/4	3,460.37	3/4		3/4		3/4		3/4		3/4	
5	2,592.78	5	2,815.20	5	3,031.82	5	3,248.45	5	3,464.83	5		5		5		5		5	
1/4	2,598.03	1/4	2,819.71	1/4	3,036.34	1/4	3,252.96	1/4	3,469.22	1/4		1/4		1/4		1/4		1/4	
1/2	2,603.28	1/2	2,824.22	1/2	3,040.85	1/2	3,257.47	1/2	3,473.60	1/2		1/2		1/2		1/2		1/2	
3/4	2,608.54	3/4	2,828.74	3/4	3,045.36	3/4	3,261.99	3/4	3,477.99	3/4		3/4		3/4		3/4		3/4	
6	2,613.79	6	2,833.25	6	3,049.87	6	3,266.50	6	3,482.38	6		6		6		6		6	
1/4	2,619.04	1/4	2,837.76	1/4	3,054.39	1/4	3,271.01	1/4	3,485.01	1/4		1/4		1/4		1/4		1/4	
1/2	2,624.29	1/2	2,842.28	1/2	3,058.90	1/2	3,275.52	1/2	3,487.64	1/2		1/2		1/2		1/2		1/2	
3/4	2,629.54	3/4	2,846.79	3/4	3,063.41	3/4	3,280.04	3/4	3,490.27	3/4		3/4		3/4		3/4		3/4	
7	2,634.80	7	2,851.30	7	3,067.93	7	3,284.55	7	3,492.91	7		7		7		7		7	
1/4	2,639.29	1/4	2,855.82	1/4	3,072.44	1/4	3,289.06	1/4	3,493.78	1/4		1/4		1/4		1/4		1/4	
1/2	2,643.79	1/2	2,860.33	1/2	3,076.95	1/2	3,293.58	1/2	3,494.66	1/2		1/2		1/2		1/2		1/2	
3/4	2,648.29	3/4	2,864.84	3/4	3,081.47	3/4	3,298.09	3/4	3,495.54	3/4		3/4		3/4		3/4		3/4	
8	2,652.79	8	2,869.35	8	3,085.98	8	3,302.60	8	3,496.41	8		8		8		8		8	
1/4	2,657.29	1/4	2,873.87	1/4	3,090.49	1/4	3,307.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,661.79	1/2	2,878.38	1/2	3,095.00	1/2	3,311.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,666.28	3/4	2,882.89	3/4	3,099.52	3/4	3,316.14	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,670.78	9	2,887.41	9	3,104.03	9	3,320.65	9		9		9		9		9		9	
1/4	2,675.30	1/4	2,891.92	1/4	3,108.54	1/4	3,325.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,679.81	1/2	2,896.43	1/2	3,113.06	1/2	3,329.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,684.32	3/4	2,900.95	3/4	3,117.57	3/4	3,334.19	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,688.83	10	2,905.46	10	3,122.08	10	3,338.71	10		10		10		10		10		10	
1/4	2,693.35	1/4	2,909.97	1/4	3,126.60	1/4	3,343.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,697.86	1/2	2,914.48	1/2	3,131.11	1/2	3,347.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,702.37	3/4	2,919.00	3/4	3,135.62	3/4	3,352.25	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,706.89	11	2,923.51	11	3,140.13	11	3,356.76	11		11		11		11		11		11	
1/4	2,711.40	1/4	2,928.02	1/4	3,144.65	1/4	3,361.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,715.91	1/2	2,932.54	1/2	3,149.16	1/2	3,365.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,720.43	3/4	2,937.05	3/4	3,153.67	3/4	3,370.30	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2018 CL
CALCULATED : 08/01/2018 CL
PRINTED: 08/01/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "E2MS 102"

2 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	0.63	0	240.91	0	515.85	0	787.00	0	1,058.86	0	1,333.81	0	1,608.75	0	1,883.69	0	2,158.64	0	2,433.58
1/4	1.58	1/4	246.64	1/4	521.57	1/4	792.56	1/4	1,064.59	1/4	1,339.53	1/4	1,614.48	1/4	1,889.42	1/4	2,164.37	1/4	2,439.31
1/2	2.53	1/2	252.37	1/2	527.30	1/2	798.11	1/2	1,070.32	1/2	1,345.26	1/2	1,620.21	1/2	1,895.15	1/2	2,170.09	1/2	2,445.04
3/4	3.49	3/4	258.10	3/4	533.03	3/4	803.67	3/4	1,076.05	3/4	1,350.99	3/4	1,625.93	3/4	1,900.88	3/4	2,175.82	3/4	2,450.77
1	4.44	1	263.82	1	538.76	1	809.23	1	1,081.77	1	1,356.72	1	1,631.66	1	1,906.61	1	2,181.55	1	2,456.49
1/4	7.30	1/4	269.55	1/4	544.49	1/4	814.78	1/4	1,087.50	1/4	1,362.45	1/4	1,637.39	1/4	1,912.33	1/4	2,187.28	1/4	2,462.22
1/2	10.17	1/2	275.28	1/2	550.21	1/2	820.34	1/2	1,093.23	1/2	1,368.17	1/2	1,643.12	1/2	1,918.06	1/2	2,193.01	1/2	2,467.95
3/4	13.03	3/4	281.01	3/4	555.94	3/4	825.89	3/4	1,098.96	3/4	1,373.90	3/4	1,648.85	3/4	1,923.79	3/4	2,198.73	3/4	2,473.68
2	15.89	2	286.73	2	561.67	2	831.45	2	1,104.69	2	1,379.63	2	1,654.57	2	1,929.52	2	2,204.46	2	2,479.41
1/4	20.66	1/4	292.46	1/4	567.40	1/4	837.00	1/4	1,110.41	1/4	1,385.36	1/4	1,660.30	1/4	1,935.25	1/4	2,210.19	1/4	2,485.13
1/2	25.43	1/2	298.19	1/2	573.12	1/2	842.56	1/2	1,116.14	1/2	1,391.09	1/2	1,666.03	1/2	1,940.97	1/2	2,215.92	1/2	2,490.86
3/4	30.20	3/4	303.92	3/4	578.85	3/4	848.11	3/4	1,121.87	3/4	1,396.81	3/4	1,671.76	3/4	1,946.70	3/4	2,221.65	3/4	2,496.59
3	34.97	3	309.65	3	584.58	3	853.67	3	1,127.60	3	1,402.54	3	1,677.49	3	1,952.43	3	2,227.37	3	2,502.32
1/4	40.65	1/4	315.37	1/4	590.31	1/4	859.23	1/4	1,133.33	1/4	1,408.27	1/4	1,683.21	1/4	1,958.16	1/4	2,233.10	1/4	2,508.05
1/2	46.33	1/2	321.10	1/2	596.04	1/2	864.78	1/2	1,139.05	1/2	1,414.00	1/2	1,688.94	1/2	1,963.89	1/2	2,238.83	1/2	2,513.77
3/4	52.01	3/4	326.83	3/4	601.76	3/4	870.34	3/4	1,144.78	3/4	1,419.73	3/4	1,694.67	3/4	1,969.61	3/4	2,244.56	3/4	2,519.50
4	57.69	4	332.56	4	607.49	4	875.90	4	1,150.51	4	1,425.45	4	1,700.40	4	1,975.34	4	2,250.29	4	2,525.23
1/4	63.40	1/4	338.28	1/4	613.22	1/4	881.54	1/4	1,156.24	1/4	1,431.18	1/4	1,706.13	1/4	1,981.07	1/4	2,256.01	1/4	2,530.96
1/2	69.11	1/2	344.01	1/2	618.95	1/2	887.19	1/2	1,161.97	1/2	1,436.91	1/2	1,711.85	1/2	1,986.80	1/2	2,261.74	1/2	2,536.69
3/4	74.83	3/4	349.74	3/4	624.67	3/4	892.83	3/4	1,167.69	3/4	1,442.64	3/4	1,717.58	3/4	1,992.53	3/4	2,267.47	3/4	2,542.41
5	80.54	5	355.47	5	630.40	5	898.48	5	1,173.42	5	1,448.37	5	1,723.31	5	1,998.25	5	2,273.20	5	2,548.14
1/4	86.27	1/4	361.20	1/4	636.13	1/4	904.21	1/4	1,179.15	1/4	1,454.09	1/4	1,729.04	1/4	2,003.98	1/4	2,278.93	1/4	2,553.87
1/2	91.99	1/2	366.92	1/2	641.86	1/2	909.93	1/2	1,184.88	1/2	1,459.82	1/2	1,734.77	1/2	2,009.71	1/2	2,284.65	1/2	2,559.60
3/4	97.72	3/4	372.65	3/4	647.59	3/4	915.66	3/4	1,190.61	3/4	1,465.55	3/4	1,740.49	3/4	2,015.44	3/4	2,290.38	3/4	2,565.33
6	103.44	6	378.38	6	653.31	6	921.39	6	1,196.33	6	1,471.28	6	1,746.22	6	2,021.17	6	2,296.11	6	2,571.05
1/4	109.17	1/4	384.11	1/4	658.96	1/4	927.12	1/4	1,202.06	1/4	1,477.01	1/4	1,751.95	1/4	2,026.89	1/4	2,301.84	1/4	2,576.78
1/2	114.90	1/2	389.83	1/2	664.60	1/2	932.85	1/2	1,207.79	1/2	1,482.73	1/2	1,757.68	1/2	2,032.62	1/2	2,307.57	1/2	2,582.51
3/4	120.63	3/4	395.56	3/4	670.25	3/4	938.57	3/4	1,213.52	3/4	1,488.46	3/4	1,763.41	3/4	2,038.35	3/4	2,313.29	3/4	2,588.24
7	126.36	7	401.29	7	675.89	7	944.30	7	1,219.25	7	1,494.19	7	1,769.13	7	2,044.08	7	2,319.02	7	2,593.97
1/4	132.08	1/4	407.02	1/4	681.45	1/4	950.03	1/4	1,224.97	1/4	1,499.92	1/4	1,774.86	1/4	2,049.81	1/4	2,324.75	1/4	2,599.69
1/2	137.81	1/2	412.75	1/2	687.01	1/2	955.76	1/2	1,230.70	1/2	1,505.65	1/2	1,780.59	1/2	2,055.53	1/2	2,330.48	1/2	2,605.42
3/4	143.54	3/4	418.47	3/4	692.56	3/4	961.49	3/4	1,236.43	3/4	1,511.37	3/4	1,786.32	3/4	2,061.26	3/4	2,336.21	3/4	2,611.15
8	149.27	8	424.20	8	698.12	8	967.21	8	1,242.16	8	1,517.10	8	1,792.05	8	2,066.99	8	2,341.93	8	2,616.88
1/4	155.00	1/4	429.93	1/4	703.68	1/4	972.94	1/4	1,247.89	1/4	1,522.83	1/4	1,797.77	1/4	2,072.72	1/4	2,347.66	1/4	2,622.61
1/2	160.72	1/2	435.66	1/2	709.23	1/2	978.67	1/2	1,253.61	1/2	1,528.56	1/2	1,803.50	1/2	2,078.45	1/2	2,353.39	1/2	2,628.33
3/4	166.45	3/4	441.39	3/4	714.79	3/4	984.40	3/4	1,259.34	3/4	1,534.29	3/4	1,809.23	3/4	2,084.17	3/4	2,359.12	3/4	2,634.06
9	172.18	9	447.11	9	720.34	9	990.13	9	1,265.07	9	1,540.01	9	1,814.96	9	2,089.90	9	2,364.85	9	2,639.79
1/4	177.91	1/4	452.84	1/4	725.90	1/4	995.85	1/4	1,270.80	1/4	1,545.74	1/4	1,820.69	1/4	2,095.63	1/4	2,370.57	1/4	2,645.52
1/2	183.63	1/2	458.57	1/2	731.45	1/2	1,001.58	1/2	1,276.53	1/2	1,551.47	1/2	1,826.41	1/2	2,101.36	1/2	2,376.30	1/2	2,651.25
3/4	189.36	3/4	464.30	3/4	737.01	3/4	1,007.31	3/4	1,282.25	3/4	1,557.20	3/4	1,832.14	3/4	2,107.09	3/4	2,382.03	3/4	2,656.97
10	195.09	10	470.02	10	742.56	10	1,013.04	10	1,287.98	10	1,562.93	10	1,837.87	10	2,112.81	10	2,387.76	10	2,662.70
1/4	200.82	1/4	475.75	1/4	748.12	1/4	1,018.77	1/4	1,293.71	1/4	1,568.65	1/4	1,843.60	1/4	2,118.54	1/4	2,393.49	1/4	2,668.43
1/2	206.55	1/2	481.48	1/2	753.67	1/2	1,024.49	1/2	1,299.44	1/2	1,574.38	1/2	1,849.33	1/2	2,124.27	1/2	2,399.21	1/2	2,674.16
3/4	212.27	3/4	487.21	3/4	759.23	3/4	1,030.22	3/4	1,305.17	3/4	1,580.11	3/4	1,855.05	3/4	2,130.00	3/4	2,404.94	3/4	2,679.89
11	218.00	11	492.94	11	764.78	11	1,035.95	11	1,310.89	11	1,585.84	11	1,860.78	11	2,135.73	11	2,410.67	11	2,685.61
1/4	223.73	1/4	498.66	1/4	770.34	1/4	1,041.68	1/4	1,316.62	1/4	1,591.57	1/4	1,866.51	1/4	2,141.45	1/4	2,416.40	1/4	2,691.34
1/2	229.46	1/2	504.39	1/2	775.89	1/2	1,047.41	1/2	1,322.35	1/2	1,597.29	1/2	1,872.24	1/2	2,147.18	1/2	2,422.13	1/2	2,697.07
3/4	235.18	3/4	510.12	3/4	781.45	3/4	1,053.13	3/4	1,328.08	3/4	1,603.02	3/4	1,877.97	3/4	2,152.91	3/4	2,427.85	3/4	2,702.80

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" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD

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

BARGE "E2MS 102"

2 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	2,708.53	0	2,983.47	0	3,258.41	0	3,533.36	0	3,808.30	0		0		0		0		0	
1/4	2,714.25	1/4	2,989.20	1/4	3,264.14	1/4	3,539.09	1/4	3,814.03	1/4		1/4		1/4		1/4		1/4	
1/2	2,719.98	1/2	2,994.93	1/2	3,269.87	1/2	3,544.81	1/2	3,819.76	1/2		1/2		1/2		1/2		1/2	
3/4	2,725.71	3/4	3,000.65	3/4	3,275.60	3/4	3,550.54	3/4	3,825.49	3/4		3/4		3/4		3/4		3/4	
1	2,731.44	1	3,006.38	1	3,281.33	1	3,556.27	1	3,831.21	1		1		1		1		1	
1/4	2,737.17	1/4	3,012.11	1/4	3,287.05	1/4	3,562.00	1/4	3,836.94	1/4		1/4		1/4		1/4		1/4	
1/2	2,742.89	1/2	3,017.84	1/2	3,292.78	1/2	3,567.73	1/2	3,842.67	1/2		1/2		1/2		1/2		1/2	
3/4	2,748.62	3/4	3,023.57	3/4	3,298.51	3/4	3,573.45	3/4	3,848.40	3/4		3/4		3/4		3/4		3/4	
2	2,754.35	2	3,029.29	2	3,304.24	2	3,579.18	2	3,854.13	2		2		2		2		2	
1/4	2,760.08	1/4	3,035.02	1/4	3,309.97	1/4	3,584.91	1/4	3,859.86	1/4		1/4		1/4		1/4		1/4	
1/2	2,765.81	1/2	3,040.75	1/2	3,315.69	1/2	3,590.64	1/2	3,865.59	1/2		1/2		1/2		1/2		1/2	
3/4	2,771.53	3/4	3,046.48	3/4	3,321.42	3/4	3,596.37	3/4	3,871.32	3/4		3/4		3/4		3/4		3/4	
3	2,777.26	3	3,052.21	3	3,327.15	3	3,602.09	3	3,877.05	3		3		3		3		3	
1/4	2,782.99	1/4	3,057.93	1/4	3,332.88	1/4	3,607.82	1/4	3,882.76	1/4		1/4		1/4		1/4		1/4	
1/2	2,788.72	1/2	3,063.66	1/2	3,338.61	1/2	3,613.55	1/2	3,888.48	1/2		1/2		1/2		1/2		1/2	
3/4	2,794.45	3/4	3,069.39	3/4	3,344.33	3/4	3,619.28	3/4	3,894.19	3/4		3/4		3/4		3/4		3/4	
4	2,800.17	4	3,075.12	4	3,350.06	4	3,625.01	4	3,899.90	4		4		4		4		4	
1/4	2,805.90	1/4	3,080.85	1/4	3,355.79	1/4	3,630.73	1/4	3,905.58	1/4		1/4		1/4		1/4		1/4	
1/2	2,811.63	1/2	3,086.57	1/2	3,361.52	1/2	3,636.46	1/2	3,911.26	1/2		1/2		1/2		1/2		1/2	
3/4	2,817.36	3/4	3,092.30	3/4	3,367.25	3/4	3,642.19	3/4	3,916.94	3/4		3/4		3/4		3/4		3/4	
5	2,823.09	5	3,098.03	5	3,372.97	5	3,647.92	5	3,922.62	5		5		5		5		5	
1/4	2,828.81	1/4	3,103.76	1/4	3,378.70	1/4	3,653.65	1/4	3,927.39	1/4		1/4		1/4		1/4		1/4	
1/2	2,834.54	1/2	3,109.49	1/2	3,384.43	1/2	3,659.37	1/2	3,932.16	1/2		1/2		1/2		1/2		1/2	
3/4	2,840.27	3/4	3,115.21	3/4	3,390.16	3/4	3,665.10	3/4	3,936.93	3/4		3/4		3/4		3/4		3/4	
6	2,846.00	6	3,120.94	6	3,395.89	6	3,670.83	6	3,941.70	6		6		6		6		6	
1/4	2,851.73	1/4	3,126.67	1/4	3,401.61	1/4	3,676.56	1/4	3,944.56	1/4		1/4		1/4		1/4		1/4	
1/2	2,857.45	1/2	3,132.40	1/2	3,407.34	1/2	3,682.29	1/2	3,947.43	1/2		1/2		1/2		1/2		1/2	
3/4	2,863.18	3/4	3,138.13	3/4	3,413.07	3/4	3,688.01	3/4	3,950.29	3/4		3/4		3/4		3/4		3/4	
7	2,868.91	7	3,143.85	7	3,418.80	7	3,693.74	7	3,953.15	7		7		7		7		7	
1/4	2,874.64	1/4	3,149.58	1/4	3,424.53	1/4	3,699.47	1/4	3,954.11	1/4		1/4		1/4		1/4		1/4	
1/2	2,880.37	1/2	3,155.31	1/2	3,430.25	1/2	3,705.20	1/2	3,955.06	1/2		1/2		1/2		1/2		1/2	
3/4	2,886.09	3/4	3,161.04	3/4	3,435.98	3/4	3,710.93	3/4	3,956.01	3/4		3/4		3/4		3/4		3/4	
8	2,891.82	8	3,166.77	8	3,441.71	8	3,716.65	8	3,956.97	8		8		8		8		8	
1/4	2,897.55	1/4	3,172.49	1/4	3,447.44	1/4	3,722.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,903.28	1/2	3,178.22	1/2	3,453.17	1/2	3,728.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,909.01	3/4	3,183.95	3/4	3,458.89	3/4	3,733.84	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,914.73	9	3,189.68	9	3,464.62	9	3,739.57	9		9		9		9		9		9	
1/4	2,920.46	1/4	3,195.41	1/4	3,470.35	1/4	3,745.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,926.19	1/2	3,201.13	1/2	3,476.08	1/2	3,751.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,931.92	3/4	3,206.86	3/4	3,481.81	3/4	3,756.75	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,937.65	10	3,212.59	10	3,487.53	10	3,762.48	10		10		10		10		10		10	
1/4	2,943.37	1/4	3,218.32	1/4	3,493.26	1/4	3,768.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,949.10	1/2	3,224.05	1/2	3,498.99	1/2	3,773.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,954.83	3/4	3,229.77	3/4	3,504.72	3/4	3,779.66	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,960.56	11	3,235.50	11	3,510.45	11	3,785.39	11		11		11		11		11		11	
1/4	2,966.29	1/4	3,241.23	1/4	3,516.17	1/4	3,791.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,972.01	1/2	3,246.96	1/2	3,521.90	1/2	3,796.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,977.74	3/4	3,252.69	3/4	3,527.63	3/4	3,802.57	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2018 CL
CALCULATED : 08/01/2018 CL
PRINTED: 08/01/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "E2MS 102"

3 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.63	0	212.06	0	453.99	0	695.59	0	937.27	0	1,179.20	0	1,421.14	0	1,663.07	0	1,905.01	0	2,146.94
1/4	1.46	1/4	217.10	1/4	459.03	1/4	700.62	1/4	942.31	1/4	1,184.25	1/4	1,426.18	1/4	1,668.11	1/4	1,910.05	1/4	2,151.98
1/2	2.30	1/2	222.14	1/2	464.07	1/2	705.64	1/2	947.35	1/2	1,189.29	1/2	1,431.22	1/2	1,673.15	1/2	1,915.09	1/2	2,157.02
3/4	3.14	3/4	227.18	3/4	469.11	3/4	710.67	3/4	952.39	3/4	1,194.33	3/4	1,436.26	3/4	1,678.19	3/4	1,920.13	3/4	2,162.06
1	3.98	1	232.22	1	474.15	1	715.69	1	957.43	1	1,199.37	1	1,441.30	1	1,683.23	1	1,925.17	1	2,167.10
1/4	6.50	1/4	237.26	1/4	479.19	1/4	720.72	1/4	962.47	1/4	1,204.41	1/4	1,446.34	1/4	1,688.28	1/4	1,930.21	1/4	2,172.14
1/2	9.02	1/2	242.30	1/2	484.23	1/2	725.74	1/2	967.51	1/2	1,209.45	1/2	1,451.38	1/2	1,693.32	1/2	1,935.25	1/2	2,177.18
3/4	11.54	3/4	247.34	3/4	489.27	3/4	730.77	3/4	972.55	3/4	1,214.49	3/4	1,456.42	3/4	1,698.36	3/4	1,940.29	3/4	2,182.22
2	14.06	2	252.38	2	494.31	2	735.79	2	977.59	2	1,219.53	2	1,461.46	2	1,703.40	2	1,945.33	2	2,187.26
1/4	18.26	1/4	257.42	1/4	499.35	1/4	740.82	1/4	982.63	1/4	1,224.57	1/4	1,466.50	1/4	1,708.44	1/4	1,950.37	1/4	2,192.31
1/2	22.45	1/2	262.46	1/2	504.39	1/2	745.84	1/2	987.67	1/2	1,229.61	1/2	1,471.54	1/2	1,713.48	1/2	1,955.41	1/2	2,197.35
3/4	26.65	3/4	267.50	3/4	509.43	3/4	750.86	3/4	992.71	3/4	1,234.65	3/4	1,476.58	3/4	1,718.52	3/4	1,960.45	3/4	2,202.39
3	30.85	3	272.54	3	514.47	3	755.89	3	997.75	3	1,239.69	3	1,481.62	3	1,723.56	3	1,965.49	3	2,207.43
1/4	35.85	1/4	277.58	1/4	519.51	1/4	760.92	1/4	1,002.79	1/4	1,244.73	1/4	1,486.66	1/4	1,728.60	1/4	1,970.53	1/4	2,212.47
1/2	40.84	1/2	282.62	1/2	524.55	1/2	765.95	1/2	1,007.83	1/2	1,249.77	1/2	1,491.70	1/2	1,733.64	1/2	1,975.57	1/2	2,217.51
3/4	45.84	3/4	287.66	3/4	529.59	3/4	770.97	3/4	1,012.88	3/4	1,254.81	3/4	1,496.74	3/4	1,738.68	3/4	1,980.61	3/4	2,222.55
4	50.83	4	292.70	4	534.63	4	776.00	4	1,017.92	4	1,259.85	4	1,501.78	4	1,743.72	4	1,985.65	4	2,227.59
1/4	55.86	1/4	297.74	1/4	539.67	1/4	781.04	1/4	1,022.96	1/4	1,264.89	1/4	1,506.82	1/4	1,748.76	1/4	1,990.69	1/4	2,232.63
1/2	60.89	1/2	302.78	1/2	544.71	1/2	786.07	1/2	1,028.00	1/2	1,269.93	1/2	1,511.86	1/2	1,753.80	1/2	1,995.73	1/2	2,237.67
3/4	65.92	3/4	307.82	3/4	549.75	3/4	791.11	3/4	1,033.04	3/4	1,274.97	3/4	1,516.90	3/4	1,758.84	3/4	2,000.77	3/4	2,242.71
5	70.94	5	312.86	5	554.79	5	796.14	5	1,038.08	5	1,280.01	5	1,521.95	5	1,763.88	5	2,005.81	5	2,247.75
1/4	75.98	1/4	317.90	1/4	559.83	1/4	801.18	1/4	1,043.12	1/4	1,285.05	1/4	1,526.99	1/4	1,768.92	1/4	2,010.85	1/4	2,252.79
1/2	81.02	1/2	322.94	1/2	564.87	1/2	806.22	1/2	1,048.16	1/2	1,290.09	1/2	1,532.03	1/2	1,773.96	1/2	2,015.89	1/2	2,257.83
3/4	86.06	3/4	327.98	3/4	569.91	3/4	811.26	3/4	1,053.20	3/4	1,295.13	3/4	1,537.07	3/4	1,779.00	3/4	2,020.93	3/4	2,262.87
6	91.10	6	333.02	6	574.95	6	816.30	6	1,058.24	6	1,300.17	6	1,542.11	6	1,784.04	6	2,025.98	6	2,267.91
1/4	96.14	1/4	338.06	1/4	579.98	1/4	821.34	1/4	1,063.28	1/4	1,305.21	1/4	1,547.15	1/4	1,789.08	1/4	2,031.02	1/4	2,272.95
1/2	101.18	1/2	343.10	1/2	585.02	1/2	826.38	1/2	1,068.32	1/2	1,310.25	1/2	1,552.19	1/2	1,794.12	1/2	2,036.06	1/2	2,277.99
3/4	106.22	3/4	348.14	3/4	590.05	3/4	831.42	3/4	1,073.36	3/4	1,315.29	3/4	1,557.23	3/4	1,799.16	3/4	2,041.10	3/4	2,283.03
7	111.26	7	353.18	7	595.09	7	836.46	7	1,078.40	7	1,320.33	7	1,562.27	7	1,804.20	7	2,046.14	7	2,288.07
1/4	116.30	1/4	358.22	1/4	600.11	1/4	841.50	1/4	1,083.44	1/4	1,325.37	1/4	1,567.31	1/4	1,809.24	1/4	2,051.18	1/4	2,293.11
1/2	121.34	1/2	363.26	1/2	605.14	1/2	846.55	1/2	1,088.48	1/2	1,330.41	1/2	1,572.35	1/2	1,814.28	1/2	2,056.22	1/2	2,298.15
3/4	126.38	3/4	368.30	3/4	610.17	3/4	851.59	3/4	1,093.52	3/4	1,335.45	3/4	1,577.39	3/4	1,819.32	3/4	2,061.26	3/4	2,303.19
8	131.42	8	373.34	8	615.20	8	856.63	8	1,098.56	8	1,340.49	8	1,582.43	8	1,824.36	8	2,066.30	8	2,308.23
1/4	136.46	1/4	378.38	1/4	620.22	1/4	861.67	1/4	1,103.60	1/4	1,345.53	1/4	1,587.47	1/4	1,829.40	1/4	2,071.34	1/4	2,313.27
1/2	141.50	1/2	383.42	1/2	625.24	1/2	866.71	1/2	1,108.64	1/2	1,350.58	1/2	1,592.51	1/2	1,834.44	1/2	2,076.38	1/2	2,318.31
3/4	146.54	3/4	388.46	3/4	630.27	3/4	871.75	3/4	1,113.68	3/4	1,355.62	3/4	1,597.55	3/4	1,839.48	3/4	2,081.42	3/4	2,323.35
9	151.58	9	393.50	9	635.29	9	876.79	9	1,118.72	9	1,360.66	9	1,602.59	9	1,844.52	9	2,086.46	9	2,328.39
1/4	156.62	1/4	398.54	1/4	640.32	1/4	881.83	1/4	1,123.76	1/4	1,365.70	1/4	1,607.63	1/4	1,849.56	1/4	2,091.50	1/4	2,333.43
1/2	161.66	1/2	403.58	1/2	645.34	1/2	886.87	1/2	1,128.80	1/2	1,370.74	1/2	1,612.67	1/2	1,854.61	1/2	2,096.54	1/2	2,338.47
3/4	166.70	3/4	408.62	3/4	650.37	3/4	891.91	3/4	1,133.84	3/4	1,375.78	3/4	1,617.71	3/4	1,859.65	3/4	2,101.58	3/4	2,343.51
10	171.74	10	413.66	10	655.39	10	896.95	10	1,138.88	10	1,380.82	10	1,622.75	10	1,864.69	10	2,106.62	10	2,348.55
1/4	176.78	1/4	418.70	1/4	660.42	1/4	901.99	1/4	1,143.92	1/4	1,385.86	1/4	1,627.79	1/4	1,869.73	1/4	2,111.66	1/4	2,353.59
1/2	181.82	1/2	423.74	1/2	665.44	1/2	907.03	1/2	1,148.96	1/2	1,390.90	1/2	1,632.83	1/2	1,874.77	1/2	2,116.70	1/2	2,358.64
3/4	186.86	3/4	428.78	3/4	670.47	3/4	912.07	3/4	1,154.00	3/4	1,395.94	3/4	1,637.87	3/4	1,879.81	3/4	2,121.74	3/4	2,363.68
11	191.90	11	433.82	11	675.49	11	917.11	11	1,159.04	11	1,400.98	11	1,642.91	11	1,884.85	11	2,126.78	11	2,368.72
1/4	196.94	1/4	438.87	1/4	680.52	1/4	922.15	1/4	1,164.08	1/4	1,406.02	1/4	1,647.95	1/4	1,889.89	1/4	2,131.82	1/4	2,373.76
1/2	201.98	1/2	443.91	1/2	685.54	1/2	927.19	1/2	1,169.12	1/2	1,411.06	1/2	1,652.99	1/2	1,894.93	1/2	2,136.86	1/2	2,378.80
3/4	207.02	3/4	448.95	3/4	690.57	3/4	932.23	3/4	1,174.16	3/4	1,416.10	3/4	1,658.03	3/4	1,899.97	3/4	2,141.90	3/4	2,383.84

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" DIAMETER "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 "E2MS 102"

3 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,388.88	0	2,630.81	0	2,872.75	0	3,114.68	0	3,356.61	0		0		0		0		0	
1/4	2,393.92	1/4	2,635.85	1/4	2,877.79	1/4	3,119.72	1/4	3,361.65	1/4		1/4		1/4		1/4		1/4	
1/2	2,398.96	1/2	2,640.89	1/2	2,882.83	1/2	3,124.76	1/2	3,366.70	1/2		1/2		1/2		1/2		1/2	
3/4	2,404.00	3/4	2,645.93	3/4	2,887.87	3/4	3,129.80	3/4	3,371.74	3/4		3/4		3/4		3/4		3/4	
1	2,409.04	1	2,650.97	1	2,892.91	1	3,134.84	1	3,376.78	1		1		1		1		1	
1/4	2,414.08	1/4	2,656.01	1/4	2,897.95	1/4	3,139.88	1/4	3,381.82	1/4		1/4		1/4		1/4		1/4	
1/2	2,419.12	1/2	2,661.05	1/2	2,902.99	1/2	3,144.92	1/2	3,386.86	1/2		1/2		1/2		1/2		1/2	
3/4	2,424.16	3/4	2,666.09	3/4	2,908.03	3/4	3,149.96	3/4	3,391.90	3/4		3/4		3/4		3/4		3/4	
2	2,429.20	2	2,671.13	2	2,913.07	2	3,155.00	2	3,396.94	2		2		2		2		2	
1/4	2,434.24	1/4	2,676.17	1/4	2,918.11	1/4	3,160.04	1/4	3,401.97	1/4		1/4		1/4		1/4		1/4	
1/2	2,439.28	1/2	2,681.21	1/2	2,923.15	1/2	3,165.08	1/2	3,407.01	1/2		1/2		1/2		1/2		1/2	
3/4	2,444.32	3/4	2,686.25	3/4	2,928.19	3/4	3,170.12	3/4	3,412.05	3/4		3/4		3/4		3/4		3/4	
3	2,449.36	3	2,691.29	3	2,933.23	3	3,175.16	3	3,417.08	3		3		3		3		3	
1/4	2,454.40	1/4	2,696.34	1/4	2,938.27	1/4	3,180.20	1/4	3,422.11	1/4		1/4		1/4		1/4		1/4	
1/2	2,459.44	1/2	2,701.38	1/2	2,943.31	1/2	3,185.24	1/2	3,427.14	1/2		1/2		1/2		1/2		1/2	
3/4	2,464.48	3/4	2,706.42	3/4	2,948.35	3/4	3,190.28	3/4	3,432.16	3/4		3/4		3/4		3/4		3/4	
4	2,469.52	4	2,711.46	4	2,953.39	4	3,195.32	4	3,437.19	4		4		4		4		4	
1/4	2,474.56	1/4	2,716.50	1/4	2,958.43	1/4	3,200.37	1/4	3,442.19	1/4		1/4		1/4		1/4		1/4	
1/2	2,479.60	1/2	2,721.54	1/2	2,963.47	1/2	3,205.41	1/2	3,447.19	1/2		1/2		1/2		1/2		1/2	
3/4	2,484.64	3/4	2,726.58	3/4	2,968.51	3/4	3,210.45	3/4	3,452.18	3/4		3/4		3/4		3/4		3/4	
5	2,489.68	5	2,731.62	5	2,973.55	5	3,215.49	5	3,457.18	5		5		5		5		5	
1/4	2,494.72	1/4	2,736.66	1/4	2,978.59	1/4	3,220.53	1/4	3,461.38	1/4		1/4		1/4		1/4		1/4	
1/2	2,499.76	1/2	2,741.70	1/2	2,983.63	1/2	3,225.57	1/2	3,465.57	1/2		1/2		1/2		1/2		1/2	
3/4	2,504.80	3/4	2,746.74	3/4	2,988.67	3/4	3,230.61	3/4	3,469.77	3/4		3/4		3/4		3/4		3/4	
6	2,509.84	6	2,751.78	6	2,993.71	6	3,235.65	6	3,473.97	6		6		6		6		6	
1/4	2,514.88	1/4	2,756.82	1/4	2,998.75	1/4	3,240.69	1/4	3,476.49	1/4		1/4		1/4		1/4		1/4	
1/2	2,519.92	1/2	2,761.86	1/2	3,003.79	1/2	3,245.73	1/2	3,479.01	1/2		1/2		1/2		1/2		1/2	
3/4	2,524.96	3/4	2,766.90	3/4	3,008.83	3/4	3,250.77	3/4	3,481.53	3/4		3/4		3/4		3/4		3/4	
7	2,530.01	7	2,771.94	7	3,013.87	7	3,255.81	7	3,484.05	7		7		7		7		7	
1/4	2,535.05	1/4	2,776.98	1/4	3,018.91	1/4	3,260.85	1/4	3,484.89	1/4		1/4		1/4		1/4		1/4	
1/2	2,540.09	1/2	2,782.02	1/2	3,023.95	1/2	3,265.89	1/2	3,485.73	1/2		1/2		1/2		1/2		1/2	
3/4	2,545.13	3/4	2,787.06	3/4	3,029.00	3/4	3,270.93	3/4	3,486.57	3/4		3/4		3/4		3/4		3/4	
8	2,550.17	8	2,792.10	8	3,034.04	8	3,275.97	8	3,487.40	8		8		8		8		8	
1/4	2,555.21	1/4	2,797.14	1/4	3,039.08	1/4	3,281.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,560.25	1/2	2,802.18	1/2	3,044.12	1/2	3,286.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,565.29	3/4	2,807.22	3/4	3,049.16	3/4	3,291.09	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,570.33	9	2,812.26	9	3,054.20	9	3,296.13	9		9		9		9		9		9	
1/4	2,575.37	1/4	2,817.30	1/4	3,059.24	1/4	3,301.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,580.41	1/2	2,822.34	1/2	3,064.28	1/2	3,306.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,585.45	3/4	2,827.38	3/4	3,069.32	3/4	3,311.25	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,590.49	10	2,832.42	10	3,074.36	10	3,316.29	10		10		10		10		10		10	
1/4	2,595.53	1/4	2,837.46	1/4	3,079.40	1/4	3,321.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,600.57	1/2	2,842.50	1/2	3,084.44	1/2	3,326.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,605.61	3/4	2,847.54	3/4	3,089.48	3/4	3,331.41	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,610.65	11	2,852.58	11	3,094.52	11	3,336.45	11		11		11		11		11		11	
1/4	2,615.69	1/4	2,857.62	1/4	3,099.56	1/4	3,341.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,620.73	1/2	2,862.67	1/2	3,104.60	1/2	3,346.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,625.77	3/4	2,867.71	3/4	3,109.64	3/4	3,351.57	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

BARGE "E2MS 102"

FUEL TANK
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-00"

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	84	0	209	0	319	0		0		0		0		0		0	
1/4	1	1/4	86	1/4	211	1/4	321	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	89	1/2	214	1/2	322	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	91	3/4	216	3/4	324	3/4		3/4		3/4		3/4		3/4		3/4	
1	2	1	93	1	219	1	326	1		1		1		1		1		1	
1/4	3	1/4	96	1/4	222	1/4	327	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4	1/2	98	1/2	224	1/2	329	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	5	3/4	101	3/4	227	3/4	330	3/4		3/4		3/4		3/4		3/4		3/4	
2	6	2	103	2	229	2	332	2		2		2		2		2		2	
1/4	7	1/4	106	1/4	232	1/4	333	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	9	1/2	109	1/2	234	1/2	334	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	10	3/4	111	3/4	237	3/4	335	3/4		3/4		3/4		3/4		3/4		3/4	
3	11	3	114	3	240	3	337	3		3		3		3		3		3	
1/4	13	1/4	116	1/4	242	1/4	338	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	14	1/2	119	1/2	245	1/2	339	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	121	3/4	247	3/4	340	3/4		3/4		3/4		3/4		3/4		3/4	
4	17	4	124	4	250	4	341	4		4		4		4		4		4	
1/4	19	1/4	127	1/4	252	1/4	341	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	129	1/2	254	1/2	342	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	22	3/4	132	3/4	257	3/4	342	3/4		3/4		3/4		3/4		3/4		3/4	
5	24	5	134	5	259	5	343	5		5		5		5		5		5	
1/4	26	1/4	137	1/4	262	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	27	1/2	140	1/2	264	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	29	3/4	142	3/4	266	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	31	6	145	6	269	6		6		6		6		6		6		6	
1/4	33	1/4	148	1/4	271	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	150	1/2	274	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	37	3/4	153	3/4	276	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	39	7	156	7	278	7		7		7		7		7		7		7	
1/4	41	1/4	158	1/4	280	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	43	1/2	161	1/2	283	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	45	3/4	163	3/4	285	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	47	8	166	8	287	8		8		8		8		8		8		8	
1/4	49	1/4	169	1/4	289	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	171	1/2	291	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	174	3/4	294	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	56	9	177	9	296	9		9		9		9		9		9		9	
1/4	58	1/4	179	1/4	298	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	60	1/2	182	1/2	300	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	62	3/4	185	3/4	302	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	65	10	187	10	304	10		10		10		10		10		10		10	
1/4	67	1/4	190	1/4	306	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	69	1/2	193	1/2	308	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	72	3/4	195	3/4	310	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	74	11	198	11	312	11		11		11		11		11		11		11	
1/4	76	1/4	201	1/4	314	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	79	1/2	203	1/2	315	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	81	3/4	206	3/4	317	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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