BARGE "E2MS 312"

INNAGE (HERMETIC)

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

January 7, 2019

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

http://www.pmacorp.net

BARGE "E2MS 312"

1 PORT

INNAGE TABLE

HERMETIC

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	15.28	0	303.51	0	652.83	0	1,008.93	0	1,366.18	0	1,724.13	0	2,082.07	0	2,440.02	0	2,797.91	0	3,155.76
1/4	18.32	1/4	310.40	1/4	660.29	1/4	1,016.32	1/4	1,373.64	1/4	1,731.59	1/4	2,089.53	1/4	2,447.48	1/4	2,805.36	1/4	3,163.21
1/2	21.36	1/2	317.29	1/2	667.75	1/2	1,023.72	1/2	1,381.10	1/2	1,739.04	1/2	2,096.99	1/2	2,454.93	1/2	2,812.82	1/2	3,170.67
3/4	24.40	3/4	324.18	3/4	675.20	3/4	1,031.12	3/4	1,388.55	3/4	1,746.50	3/4	2,104.45	3/4	2,462.39	3/4	2,820.28	3/4	3,178.12
1	27.45	1	331.06	1	682.66	1	1,038.52	1	1,396.01	1	1,753.96	1	2,111.90	1	2,469.85	1	2,827.73	1	3,185.58
1/4	32.44	1/4	338.04	1/4	690.12	1/4	1,045.93	1/4	1,403.47	1/4	1,761.41	1/4	2,119.36	1/4	2,477.31	1/4	2,835.19	1/4	3,193.04
1/2	37.43	1/2	345.02	1/2	697.58	1/2	1,053.33	1/2	1,410.93	1/2	1,768.87	1/2	2,126.82	1/2	2,484.76	1/2	2,842.64	1/2	3,200.49
3/4	42.42	3/4	351.99	3/4	705.03	3/4	1,060.74	3/4	1,418.38	3/4	1,776.33	3/4	2,134.27	3/4	2,492.22	3/4	2,850.10	3/4	3,207.95
2	47.42	2	358.97	2	712.49	2	1,068.15	2	1,425.84	2	1,783.79	2	2,141.73	2	2,499.68	2	2,857.55	2	3,215.40
1/4	53.39	1/4	366.03	1/4	719.95	1/4	1,075.57	1/4	1,433.30	1/4	1,791.24	1/4	2,149.19	1/4	2,507.13	1/4	2,865.01	1/4	3,222.86
1/2	59.37	1/2	373.09	1/2	727.40	1/2	1,083.00	1/2	1,440.76	1/2	1,798.70	1/2	2,156.65	1/2	2,514.59	1/2	2,872.46	1/2	3,230.31
3/4	65.35	3/4	380.16	3/4	734.86	3/4	1,090.42	3/4	1,448.21	3/4	1,806.16	3/4	2,164.10	3/4	2,522.05	3/4	2,879.92	3/4	3,237.77
3	71.33	3	387.22	3	742.32	3	1,097.85	3	1,455.67	3	1,813.62	3	2,171.56	3	2,529.51	3	2,887.37	3	3,245.22
1/4	77.42	1/4	394.37	1/4	749.77	1/4	1,105.28	1/4	1,463.13	1/4	1,821.07	1/4	2,179.02	1/4	2,536.96	1/4	2,894.83	1/4	3,252.68
1/2	83.51	1/2	401.52	1/2	757.23	1/2	1,112.70	1/2	1,470.58	1/2	1,828.53	1/2	2,186.48	1/2	2,544.42	1/2	2,902.28	1/2	3,260.13
3/4	89.60	3/4	408.67	3/4	764.69	3/4	1,120.13	3/4	1,478.04	3/4	1,835.99	3/4	2,193.93	3/4	2,551.88	3/4	2,909.74	3/4	3,267.59
4	95.69	4	415.83	4	772.15	4	1,127.55	4	1,485.50	4	1,843.44	4	2,201.39	4	2,559.34	4	2,917.19	4	3,275.04
1/4	101.87	1/4	423.06	1/4	779.55	1/4	1,135.01	1/4	1,492.96	1/4	1,850.90	1/4	2,208.85	1/4	2,566.79	1/4	2,924.65	1/4	3,282.50
1/2	108.06	1/2	430.30	1/2	786.96	1/2	1,142.47	1/2	1,500.41	1/2	1,858.36	1/2	2,216.30	1/2	2,574.25	1/2	2,932.10	1/2	3,289.95
3/4	114.25	3/4	437.54	3/4	794.37	3/4	1,149.92	3/4	1,507.87	3/4	1,865.82	3/4	2,223.76	3/4	2,581.71	3/4	2,939.56	3/4	3,297.41
5	120.44	5	444.78	5	801.77	5	1,157.38	5	1,515.33	5	1,873.27	5	2,231.22	5	2,589.16	5	2,947.01	5	3,304.86
1/4	126.71	1/4	452.11	1/4	809.17	1/4	1,164.84	1/4	1,522.78	1/4	1,880.73	1/4	2,238.68	1/4	2,596.62	1/4	2,954.47	1/4	3,312.32
1/2	132.99	1/2	459.43	1/2	816.57	1/2	1,172.30	1/2	1,530.24	1/2	1,888.19	1/2	2,246.13	1/2	2,604.07	1/2	2,961.92	1/2	3,319.77
3/4	139.26	3/4	466.76	3/4	823.97	3/4	1,179.75	3/4	1,537.70	3/4	1,895.64	3/4	2,253.59	3/4	2,611.53	3/4	2,969.38	3/4	3,327.23
6	145.54	6	474.08	6	831.37	6	1,187.21	6	1,545.16	6	1,903.10	6	2,261.05	6	2,618.98	6	2,976.83	6	3,334.68
1/4	151.90	1/4	481.50	1/4	838.76	1/4	1,194.67	1/4	1,552.61	1/4	1,910.56	1/4	2,268.50	1/4	2,626.44	1/4	2,984.29	1/4	3,342.14
1/2	158.27	1/2	488.91	1/2	846.16	1/2	1,202.12	1/2	1,560.07	1/2	1,918.02	1/2	2,275.96	1/2	2,633.90	1/2	2,991.74	1/2	3,349.59
3/4	164.63	3/4	496.32	3/4	853.56	3/4	1,209.58	3/4	1,567.53	3/4	1,925.47	3/4	2,283.42	3/4	2,641.35	3/4	2,999.20	3/4	3,357.05
7	170.99	7	503.74	7	860.96	7	1,217.04	7	1,574.98	7	1,932.93	7	2,290.88	7	2,648.81	7	3,006.66	7	3,364.50
1/4	177.44	1/4	511.19	1/4	868.36	1/4	1,224.50	1/4	1,582.44	1/4	1,940.39	1/4	2,298.33	1/4	2,656.26	1/4	3,014.11	1/4	3,371.96
1/2	183.89	1/2	518.65	1/2	875.76	1/2	1,231.95	1/2	1,589.90	1/2	1,947.84	1/2	2,305.79	1/2	2,663.72	1/2	3,021.57	1/2	3,379.42
3/4	190.35	3/4	526.11	3/4	883.15	3/4	1,239.41	3/4	1,597.36	3/4	1,955.30	3/4	2,313.25	3/4	2,671.17	3/4	3,029.02	3/4	3,386.87
8	196.80	8	533.56	8	890.55	8	1,246.87	8	1,604.81	8	1,962.76	8	2,320.70	8	2,678.63	8	3,036.48	8	3,394.33
1/4	203.33	1/4	541.02	1/4	897.95	1/4	1,254.33	1/4	1,612.27	1/4	1,970.22	1/4	2,328.16	1/4	2,686.08	1/4	3,043.93	1/4	3,401.78
1/2	209.87	1/2	548.47	1/2	905.35	1/2	1,261.78	1/2	1,619.73	1/2	1,977.67	1/2	2,335.62	1/2	2,693.54	1/2	3,051.39	1/2	3,409.24
3/4	216.41	3/4	555.92	3/4	912.75	3/4	1,269.24	3/4	1,627.19	3/4	1,985.13	3/4	2,343.08	3/4	2,700.99	3/4	3,058.84	3/4	3,416.69
9	222.95	9	563.37	9	920.15	9	1,276.70	9	1,634.64	9	1,992.59	9	2,350.53	9	2,708.45	9	3,066.30	9	3,424.15
1/4	229.58	1/4	570.82	1/4	927.54	1/4	1,284.15	1/4	1,642.10	1/4	2,000.05	1/4	2,357.99	1/4	2,715.90	1/4	3,073.75	1/4	3,431.60
1/2	236.20	1/2	578.27	1/2	934.94	1/2	1,291.61	1/2	1,649.56	1/2	2,007.50	1/2	2,365.45	1/2	2,723.36	1/2	3,081.21	1/2	3,439.06
3/4	242.83	3/4	585.73	3/4	942.34	3/4	1,299.07	3/4	1,657.01	3/4	2,014.96	3/4	2,372.91	3/4	2,730.81	3/4	3,088.66	3/4	3,446.51
10	249.45	10	593.18	10	949.74	10	1,306.53	10	1,664.47	10	2,022.42	10	2,380.36	10	2,738.27	10	3,096.12	10	3,453.97
1/4	256.17	1/4	600.63	1/4	957.14	1/4	1,313.98	1/4	1,671.93	1/4	2,029.87	1/4	2,387.82	1/4	2,745.72	1/4	3,103.57	1/4	3,461.42
1/2	262.88	1/2	608.09	1/2	964.54	1/2	1,321.44	1/2	1,679.39	1/2	2,037.33	1/2	2,395.28	1/2	2,753.18	1/2	3,111.03	1/2	3,468.88
3/4	269.59	3/4	615.55	3/4	971.93	3/4	1,328.90	3/4	1,686.84	3/4	2,044.79	3/4	2,402.73	3/4	2,760.63	3/4	3,118.48	3/4	3,476.33
11	276.31	11	623.01	11	979.33	11	1,336.35	11	1,694.30	11	2,052.25	11	2,410.19	11	2,768.09	11	3,125.94	11	3,483.79
1/4	283.11	1/4	630.46	1/4	986.73	1/4	1,343.81	1/4	1,701.76	1/4	2,059.70	1/4	2,417.65	1/4	2,775.54	1/4	3,133.39	1/4	3,491.24
1/2	289.91	1/2	637.92	1/2	994.13	1/2	1,351.27	1/2	1,709.21	1/2	2,067.16	1/2	2,425.11	1/2	2,783.00	1/2	3,140.85	1/2	3,498.70
3/4	296.71	3/4	645.38	3/4	1,001.53	3/4	1,358.73	3/4	1,716.67	3/4	2,074.62	3/4	2,432.56	3/4	2,790.45	3/4	3,148.30	3/4	3,506.15

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD

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

BARGE "E2MS 312"

1 PORT

INNAGE TABLE
HERMETIC

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	3,513.61	0	3,871.46	0	4,228.61	0	4,585.41	0	4,940.39	0		0		0		0		0	
1/4	3,521.06	1/4	3,878.91	1/4	4,236.04	1/4	4,592.84	1/4	4,947.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,528.52	1/2	3,886.37	1/2	4,243.47	1/2	4,600.27	1/2	4,954.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,535.97	3/4	3,893.82	3/4	4,250.91	3/4	4,607.71	3/4	4,962.27	3/4		3/4		3/4		3/4		3/4	
1	3,543.43	1	3,901.28	1	4,258.34	1	4,615.14	1	4,969.56	1		1		1		1		1	
1/4	3,550.88	1/4	3,908.73	1/4	4,265.77	1/4	4,622.57	1/4	4,975.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,558.34	1/2	3,916.19	1/2	4,273.21	1/2	4,630.01	1/2	4,982.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,565.80	3/4	3,923.64	3/4	4,280.64	3/4	4,637.44	3/4	4,988.85	3/4		3/4		3/4		3/4		3/4	
2	3,573.25	2	3,931.10	2	4,288.07	2	4,644.87	2	4,995.27	2		2		2		2		2	
1/4	3,580.71	1/4	3,938.56	1/4	4,295.51	1/4	4,652.31	1/4	5,000.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.16	1/2	3,946.01	1/2	4,302.94	1/2	4,659.74	1/2	5,005.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,595.62	3/4	3,953.47	3/4	4,310.37	3/4	4,667.17	3/4	5,010.83	3/4		3/4		3/4		3/4		3/4	
3	3,603.07	3	3,960.92	3	4,317.81	3	4,674.61	3	5,016.02	3		3		3		3		3	
1/4	3,610.53	1/4	3,968.38	1/4	4,325.24	1/4	4,682.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,617.98	1/2	3,975.83	1/2	4,332.67	1/2	4,689.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,625.44	3/4	3,983.29	3/4	4,340.11	3/4	4,696.91	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,632.89	4	3,990.74	4	4,347.54	4	4,704.34	4		4		4		4		4		4	
1/4	3,640.35	1/4	3,998.17	1/4	4,354.97	1/4	4,711.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,647.80	1/2	4,005.61	1/2	4,362.41	1/2	4,719.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,655.26	3/4	4,013.04	3/4	4,369.84	3/4	4,726.64	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,662.71	5	4,020.47	5	4,377.27	5	4,734.07	5		5		5		5		5		5	
1/4	3,670.17	1/4	4,027.91	1/4	4,384.71	1/4	4,741.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,677.62	1/2	4,035.34	1/2	4,392.14	1/2	4,748.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.08	3/4	4,042.77	3/4	4,399.57	3/4	4,756.37	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,692.53	6	4,050.21	6	4,407.01	6	4,763.80	6		6		6		6		6		6	
1/4	3,699.99	1/4	4,057.64	1/4	4,414.44	1/4	4,771.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,707.44	1/2	4,065.07	1/2	4,421.87	1/2	4,778.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,714.90	3/4	4,072.51	3/4	4,429.31	3/4	4,785.88	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,722.35	7	4,079.94	7	4,436.74	7	4,793.24	7		7		7		7		7		7	
1/4	3,729.81	1/4	4,087.37	1/4	4,444.17	1/4	4,800.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.26	1/2	4,094.81	1/2	4,451.61	1/2	4,807.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,744.72	3/4	4,102.24	3/4	4,459.04	3/4	4,815.32	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,752.18	8	4,109.67	8	4,466.47	8	4,822.68	8		8		8		8		8		8	
1/4	3,759.63	1/4	4,117.11	1/4	4,473.91	1/4	4,830.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,767.09	1/2	4,124.54	1/2	4,481.34	1/2	4,837.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,774.54	3/4	4,131.97	3/4	4,488.77	3/4	4,844.76	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,782.00	9	4,139.41	9	4,496.21	9	4,852.12	9		9		9		9		9		9	
1/4	3,789.45	1/4	4,146.84	1/4	4,503.64	1/4	4,859.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,796.91	1/2	4,154.27	1/2	4,511.07	1/2	4,866.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,804.36	3/4	4,161.71	3/4	4,518.51	3/4	4,874.21	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,811.82	10	4,169.14	10	4,525.94	10	4,881.57	10		10		10		10		10		10	
1/4	3,819.27	1/4	4,176.57	1/4	4,533.37	1/4	4,888.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,826.73	1/2	4,184.01	1/2	4,540.81	1/2	4,896.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,834.18	3/4	4,191.44	3/4	4,548.24	3/4	4,903.64	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,841.64	11	4,198.87	11	4,555.67	11	4,911.00	11		11		11		11		11		11	
1/4	3,849.09	1/4	4,206.31	1/4	4,563.11	1/4	4,918.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,856.55	1/2	4,213.74	1/2	4,570.54	1/2	4,925.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,864.00	3/4	4,221.17	3/4	4,577.97	3/4	4,933.04	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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

BARGE "E2MS 312"

1 STBD

INNAGE TABLE

HERMETIC

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	15.27	0	303.34	0	652.53	0	1,009.91	0	1,367.57	0	1,725.34	0	2,083.11	0	2,440.88	0	2,798.59	0	3,156.26
1/4	18.31	1/4	310.22	1/4	659.99	1/4	1,017.34	1/4	1,375.03	1/4	1,732.79	1/4	2,090.56	1/4	2,448.33	1/4	2,806.04	1/4	3,163.71
1/2	21.35	1/2	317.11	1/2	667.44	1/2	1,024.78	1/2	1,382.48	1/2	1,740.25	1/2	2,098.02	1/2	2,455.78	1/2	2,813.49	1/2	3,171.16
3/4	24.39	3/4	323.99	3/4	674.89	3/4	1,032.22	3/4	1,389.93	3/4	1,747.70	3/4	2,105.47	3/4	2,463.24	3/4	2,820.94	3/4	3,178.61
1	27.43	1	330.88	1	682.35	1	1,039.66	1	1,397.39	1	1,755.15	1	2,112.92	1	2,470.69	1	2,828.39	1	3,186.07
1/4	32.42	1/4	337.85	1/4	689.80	1/4	1,047.11	1/4	1,404.84	1/4	1,762.61	1/4	2,120.38	1/4	2,478.14	1/4	2,835.85	1/4	3,193.52
1/2	37.41	1/2	344.82	1/2	697.25	1/2	1,054.56	1/2	1,412.29	1/2	1,770.06	1/2	2,127.83	1/2	2,485.60	1/2	2,843.30	1/2	3,200.97
3/4	42.40	3/4	351.79	3/4	704.71	3/4	1,062.01	3/4	1,419.75	3/4	1,777.51	3/4	2,135.28	3/4	2,493.05	3/4	2,850.75	3/4	3,208.42
2	47.39	2	358.77	2	712.16	2	1,069.45	2	1,427.20	2	1,784.97	2	2,142.74	2	2,500.50	2	2,858.20	2	3,215.87
1/4	53.36	1/4	365.83	1/4	719.61	1/4	1,076.90	1/4	1,434.65	1/4	1,792.42	1/4	2,150.19	1/4	2,507.96	1/4	2,865.65	1/4	3,223.32
1/2	59.34	1/2	372.89	1/2	727.07	1/2	1,084.35	1/2	1,442.11	1/2	1,799.88	1/2	2,157.64	1/2	2,515.41	1/2	2,873.10	1/2	3,230.78
3/4	65.31	3/4	379.95	3/4	734.52	3/4	1,091.80	3/4	1,449.56	3/4	1,807.33	3/4	2,165.10	3/4	2,522.86	3/4	2,880.55	3/4	3,238.23
3	71.28	3	387.01	3	741.97	3	1,099.25	3	1,457.01	3	1,814.78	3	2,172.55	3	2,530.32	3	2,888.01	3	3,245.68
1/4	77.37	1/4	394.15	1/4	749.43	1/4	1,106.70	1/4	1,464.47	1/4	1,822.24	1/4	2,180.00	1/4	2,537.77	1/4	2,895.46	1/4	3,253.13
1/2	83.46	1/2	401.30	1/2	756.88	1/2	1,114.15	1/2	1,471.92	1/2	1,829.69	1/2	2,187.46	1/2	2,545.23	1/2	2,902.91	1/2	3,260.58
3/4	89.54	3/4	408.45	3/4	764.33	3/4	1,121.61	3/4	1,479.37	3/4	1,837.14	3/4	2,194.91	3/4	2,552.68	3/4	2,910.36	3/4	3,268.03
4	95.63	4	415.59	4	771.79	4	1,129.06	4	1,486.83	4	1,844.60	4	2,202.36	4	2,560.13	4	2,917.81	4	3,275.48
1/4	101.81	1/4	422.83	1/4	779.24	1/4	1,136.51	1/4	1,494.28	1/4	1,852.05	1/4	2,209.82	1/4	2,567.59	1/4	2,925.26	1/4	3,282.94
1/2	108.00	1/2	430.06	1/2	786.69	1/2	1,143.97	1/2	1,501.74	1/2	1,859.50	1/2	2,217.27	1/2	2,575.04	1/2	2,932.72	1/2	3,290.39
3/4	114.18	3/4	437.30	3/4	794.15	3/4	1,151.42	3/4	1,509.19	3/4	1,866.96	3/4	2,224.72	3/4	2,582.49	3/4	2,940.17	3/4	3,297.84
5	120.36	5	444.53	5	801.60	5	1,158.87	5	1,516.64	5	1,874.41	5	2,232.18	5	2,589.95	5	2,947.62	5	3,305.29
1/4	126.64	1/4	451.86	1/4	809.04	1/4	1,166.33	1/4	1,524.10	1/4	1,881.86	1/4	2,239.63	1/4	2,597.40	1/4	2,955.07	1/4	3,312.74
1/2	132.91	1/2	459.18	1/2	816.48	1/2	1,173.78	1/2	1,531.55	1/2	1,889.32	1/2	2,247.09	1/2	2,604.85	1/2	2,962.52	1/2	3,320.19
3/4	139.18	3/4	466.50	3/4	823.92	3/4	1,181.23	3/4	1,539.00	3/4	1,896.77	3/4	2,254.54	3/4	2,612.30	3/4	2,969.97	3/4	3,327.64
6	145.45	6	473.82	6	831.36	6	1,188.69	6	1,546.46	6	1,904.22	6	2,261.99	6	2,619.75	6	2,977.42	6	3,335.10
1/4	151.81	1/4	481.23	1/4	838.80	1/4	1,196.14	1/4	1,553.91	1/4	1,911.68	1/4	2,269.45	1/4	2,627.20	1/4	2,984.88	1/4	3,342.55
1/2	158.17	1/2	488.64	1/2	846.24	1/2	1,203.60	1/2	1,561.36	1/2	1,919.13	1/2	2,276.90	1/2	2,634.66	1/2	2,992.33	1/2	3,350.00
3/4	164.53	3/4	496.05	3/4	853.68	3/4	1,211.05	3/4	1,568.82	3/4	1,926.58	3/4	2,284.35	3/4	2,642.11	3/4	2,999.78	3/4	3,357.45
7	170.89	7	503.46	7	861.12	7	1,218.50	7	1,576.27	7	1,934.04	7	2,291.81	7	2,649.56	7	3,007.23	7	3,364.90
1/4	177.34	1/4	510.92	1/4	868.56	1/4	1,225.96	1/4	1,583.72	1/4	1,941.49	1/4	2,299.26	1/4	2,657.01	1/4	3,014.68	1/4	3,372.35
1/2	183.79	1/2	518.37	1/2	876.00	1/2	1,233.41	1/2	1,591.18	1/2	1,948.95	1/2	2,306.71	1/2	2,664.46	1/2	3,022.13	1/2	3,379.81
3/4	190.23	3/4	525.82	3/4	883.44	3/4	1,240.86	3/4	1,598.63	3/4	1,956.40	3/4	2,314.17	3/4	2,671.91	3/4	3,029.58	3/4	3,387.26
8	196.68	8	533.28	8	890.87	8	1,248.32	8	1,606.08	8	1,963.85	8	2,321.62	8	2,679.36	8	3,037.04	8	3,394.71
1/4	203.22	1/4	540.73	1/4	898.31	1/4	1,255.77	1/4	1,613.54	1/4	1,971.31	1/4	2,329.07	1/4	2,686.82	1/4	3,044.49	1/4	3,402.16
1/2	209.75	1/2	548.18	1/2	905.75	1/2	1,263.22	1/2	1,620.99	1/2	1,978.76	1/2	2,336.53	1/2	2,694.27	1/2	3,051.94	1/2	3,409.61
3/4	216.29	3/4	555.64	3/4	913.19	3/4	1,270.68	3/4	1,628.44	3/4	1,986.21	3/4	2,343.98	3/4	2,701.72	3/4	3,059.39	3/4	3,417.06
9	222.82	9	563.09	9	920.63	9	1,278.13	9	1,635.90	9	1,993.67	9	2,351.43	9	2,709.17	9	3,066.84	9	3,424.51
1/4	229.44	1/4	570.54	1/4	928.07	1/4	1,285.58	1/4	1,643.35	1/4	2,001.12	1/4	2,358.89	1/4	2,716.62	1/4	3,074.29	1/4	3,431.97
1/2	236.07	1/2	578.00	1/2	935.51	1/2	1,293.04	1/2	1,650.81	1/2	2,008.57	1/2	2,366.34	1/2	2,724.07	1/2	3,081.75	1/2	3,439.42
3/4	242.69	3/4	585.45	3/4	942.95	3/4	1,300.49	3/4	1,658.26	3/4	2,016.03	3/4	2,373.79	3/4	2,731.52	3/4	3,089.20	3/4	3,446.87
10	249.31	10	592.90	10	950.39	10	1,307.94	10	1,665.71	10	2,023.48	10	2,381.25	10	2,738.98	10	3,096.65	10	3,454.32
1/4	256.02	1/4	600.36	1/4	957.83	1/4	1,315.40	1/4	1,673.17	1/4	2,030.93	1/4	2,388.70	1/4	2,746.43	1/4	3,104.10	1/4	3,461.77
1/2	262.73	1/2	607.81	1/2	965.27	1/2	1,322.85	1/2	1,680.62	1/2	2,038.39	1/2	2,396.16	1/2	2,753.88	1/2	3,111.55	1/2	3,469.22
3/4	269.44	3/4	615.26	3/4	972.71	3/4	1,330.30	3/4	1,688.07	3/4	2,045.84	3/4	2,403.61	3/4	2,761.33	3/4	3,119.00	3/4	3,476.67
11	276.15	11	622.72	11	980.15	11	1,337.76	11	1,695.53	11	2,053.29	11	2,411.06	11	2,768.78	11	3,126.45	11	3,484.13
1/4	282.95	1/4	630.17	1/4	987.59	1/4	1,345.21	1/4	1,702.98	1/4	2,060.75	1/4	2,418.52	1/4	2,776.23	1/4	3,133.91	1/4	3,491.58
1/2	289.74	1/2	637.62	1/2	995.03	1/2	1,352.67	1/2	1,710.43	1/2	2,068.20	1/2	2,425.97	1/2	2,783.69	1/2	3,141.36	1/2	3,499.03
3/4	296.54	3/4	645.08	3/4	1,002.47	3/4	1,360.12	3/4	1,717.89	3/4	2,075.65	3/4	2,433.42	3/4	2,791.14	3/4	3,148.81	3/4	3,506.48

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD

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

BARGE "E2MS 312"

1 STBD

INNAGE TABLE
HERMETIC

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	3,513.93	0	3,871.60	0	4,228.58	0	4,585.20	0	4,940.00	0		0		0		0		0	
1/4	3,521.38	1/4	3,879.06	1/4	4,236.00	1/4	4,592.63	1/4	4,947.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,528.84	1/2	3,886.51	1/2	4,243.43	1/2	4,600.06	1/2	4,954.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,536.29	3/4	3,893.96	3/4	4,250.86	3/4	4,607.48	3/4	4,961.87	3/4		3/4		3/4		3/4		3/4	
1	3,543.74	1	3,901.41	1	4,258.29	1	4,614.91	1	4,969.15	1		1		1		1		1	
1/4	3,551.19	1/4	3,908.86	1/4	4,265.72	1/4	4,622.34	1/4	4,975.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,558.64	1/2	3,916.31	1/2	4,273.15	1/2	4,629.77	1/2	4,982.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,566.09	3/4	3,923.76	3/4	4,280.58	3/4	4,637.20	3/4	4,988.43	3/4		3/4		3/4		3/4		3/4	
2	3,573.54	2	3,931.22	2	4,288.01	2	4,644.63	2	4,994.86	2		2		2		2		2	
1/4	3,581.00	1/4	3,938.67	1/4	4,295.44	1/4	4,652.06	1/4	5,000.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.45	1/2	3,946.12	1/2	4,302.87	1/2	4,659.49	1/2	5,005.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,595.90	3/4	3,953.57	3/4	4,310.30	3/4	4,666.92	3/4	5,010.41	3/4		3/4		3/4		3/4		3/4	
3	3,603.35	3	3,961.02	3	4,317.73	3	4,674.35	3	5,015.59	3		3		3		3		3	
1/4	3,610.80	1/4	3,968.47	1/4	4,325.16	1/4	4,681.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,618.25	1/2	3,975.93	1/2	4,332.59	1/2	4,689.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,625.70	3/4	3,983.38	3/4	4,340.02	3/4	4,696.64	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,633.16	4	3,990.83	4	4,347.45	4	4,704.07	4		4		4		4		4		4	
1/4	3,640.61	1/4	3,998.26	1/4	4,354.88	1/4	4,711.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,648.06	1/2	4,005.69	1/2	4,362.31	1/2	4,718.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,655.51	3/4	4,013.12	3/4	4,369.74	3/4	4,726.36	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,662.96	5	4,020.55	5	4,377.17	5	4,733.79	5		5		5		5		5		5	
1/4	3,670.41	1/4	4,027.98	1/4	4,384.60	1/4	4,741.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,677.87	1/2	4,035.41	1/2	4,392.03	1/2	4,748.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.32	3/4	4,042.84	3/4	4,399.46	3/4	4,756.08	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,692.77	6	4,050.26	6	4,406.89	6	4,763.51	6		6		6		6		6		6	
1/4	3,700.22	1/4	4,057.69	1/4	4,414.32	1/4	4,770.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,707.67	1/2	4,065.12	1/2	4,421.74	1/2	4,778.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.12	3/4	4,072.55	3/4	4,429.17	3/4	4,785.58	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,722.57	7	4,079.98	7	4,436.60	7	4,792.93	7		7		7		7		7		7	
1/4	3,730.03	1/4	4,087.41	1/4	4,444.03	1/4	4,800.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.48	1/2	4,094.84	1/2	4,451.46	1/2	4,807.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,744.93	3/4	4,102.27	3/4	4,458.89	3/4	4,815.00	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,752.38	8	4,109.70	8	4,466.32	8	4,822.36	8		8		8		8		8		8	
1/4	3,759.83	1/4	4,117.13	1/4	4,473.75	1/4	4,829.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,767.28	1/2	4,124.56	1/2	4,481.18	1/2	4,837.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,774.73	3/4	4,131.99	3/4	4,488.61	3/4	4,844.42	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,782.19	9	4,139.42	9	4,496.04	9	4,851.78	9		9		9		9		9		9	
1/4	3,789.64	1/4	4,146.85	1/4	4,503.47	1/4	4,859.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,797.09	1/2	4,154.28	1/2	4,510.90	1/2	4,866.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,804.54	3/4	4,161.71	3/4	4,518.33	3/4	4,873.85	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,811.99	10	4,169.14	10	4,525.76	10	4,881.21	10		10		10		10		10		10	
1/4	3,819.44	1/4	4,176.57	1/4	4,533.19	1/4	4,888.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,826.90	1/2	4,184.00	1/2	4,540.62	1/2	4,895.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,834.35	3/4	4,191.43	3/4	4,548.05	3/4	4,903.27	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,841.80	11	4,198.86	11	4,555.48	11	4,910.63	11		11		11		11		11		11	
1/4	3,849.25	1/4	4,206.29	1/4	4,562.91	1/4	4,917.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,856.70	1/2	4,213.72	1/2	4,570.34	1/2	4,925.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,864.15	3/4	4,221.15	3/4	4,577.77	3/4	4,932.66	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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

BARGE "E2MS 312"

2 PORT

INNAGE TABLE

HERMETIC

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	15.32	0	358.98	0	717.79	0	1,066.88	0	1,420.95	0	1,779.77	0	2,138.58	0	2,497.40	0	2,856.21	0	3,215.03
1/4	19.99	1/4	366.45	1/4	725.27	1/4	1,074.05	1/4	1,428.43	1/4	1,787.24	1/4	2,146.06	1/4	2,504.87	1/4	2,863.69	1/4	3,222.50
1/2	24.66	1/2	373.93	1/2	732.74	1/2	1,081.22	1/2	1,435.91	1/2	1,794.72	1/2	2,153.53	1/2	2,512.35	1/2	2,871.16	1/2	3,229.98
3/4	29.33	3/4	381.40	3/4	740.22	3/4	1,088.39	3/4	1,443.38	3/4	1,802.19	3/4	2,161.01	3/4	2,519.82	3/4	2,878.64	3/4	3,237.45
1	34.00	1	388.88	1	747.69	1	1,095.56	1	1,450.86	1	1,809.67	1	2,168.48	1	2,527.30	1	2,886.11	1	3,244.93
1/4	40.54	1/4	396.36	1/4	755.17	1/4	1,102.73	1/4	1,458.33	1/4	1,817.15	1/4	2,175.96	1/4	2,534.77	1/4	2,893.59	1/4	3,252.40
1/2	47.08	1/2	403.83	1/2	762.64	1/2	1,109.91	1/2	1,465.81	1/2	1,824.62	1/2	2,183.44	1/2	2,542.25	1/2	2,901.06	1/2	3,259.88
3/4	53.62	3/4	411.31	3/4	770.12	3/4	1,117.09	3/4	1,473.28	3/4	1,832.10	3/4	2,190.91	3/4	2,549.72	3/4	2,908.54	3/4	3,267.35
2	60.16	2	418.78	2	777.60	2	1,124.27	2	1,480.76	2	1,839.57	2	2,198.39	2	2,557.20	2	2,916.01	2	3,274.83
1/4	67.60	1/4	426.26	1/4	785.07	1/4	1,131.44	1/4	1,488.23	1/4	1,847.05	1/4	2,205.86	1/4	2,564.68	1/4	2,923.49	1/4	3,282.30
1/2	75.04	1/2	433.73	1/2	792.55	1/2	1,138.62	1/2	1,495.71	1/2	1,854.52	1/2	2,213.34	1/2	2,572.15	1/2	2,930.97	1/2	3,289.78
3/4	82.48	3/4	441.21	3/4	800.02	3/4	1,145.80	3/4	1,503.18	3/4	1,862.00	3/4	2,220.81	3/4	2,579.63	3/4	2,938.44	3/4	3,297.25
3	89.92	3	448.68	3	807.50	3	1,152.97	3	1,510.66	3	1,869.47	3	2,228.29	3	2,587.10	3	2,945.92	3	3,304.73
1/4	97.38	1/4	456.16	1/4	814.97	1/4	1,160.17	1/4	1,518.13	1/4	1,876.95	1/4	2,235.76	1/4	2,594.58	1/4	2,953.39	1/4	3,312.21
1/2	104.85	1/2	463.63	1/2	822.45	1/2	1,167.36	1/2	1,525.61	1/2	1,884.42	1/2	2,243.24	1/2	2,602.05	1/2	2,960.87	1/2	3,319.68
3/4	112.31	3/4	471.11	3/4	829.92	3/4	1,174.55	3/4	1,533.08	3/4	1,891.90	3/4	2,250.71	3/4	2,609.53	3/4	2,968.34	3/4	3,327.16
4	119.78	4	478.58	4	837.40	4	1,181.74	4	1,540.56	4	1,899.37	4	2,258.19	4	2,617.00	4	2,975.82	4	3,334.63
1/4	127.25	1/4	486.06	1/4	844.59	1/4	1,189.22	1/4	1,548.03	1/4	1,906.85	1/4	2,265.66	1/4	2,624.48	1/4	2,983.29	1/4	3,342.11
1/2	134.72	1/2	493.53	1/2	851.78	1/2	1,196.70	1/2	1,555.51	1/2	1,914.32	1/2	2,273.14	1/2	2,631.95	1/2	2,990.77	1/2	3,349.58
3/4	142.20	3/4	501.01	3/4	858.97	3/4	1,204.17	3/4	1,562.99	3/4	1,921.80	3/4	2,280.61	3/4	2,639.43	3/4	2,998.24	3/4	3,357.06
5	149.67	5	508.48	5	866.17	5	1,211.65	5	1,570.46	5	1,929.27	5	2,288.09	5	2,646.90	5	3,005.72	5	3,364.53
1/4	157.15	1/4	515.96	1/4	873.33	1/4	1,219.12	1/4	1,577.94	1/4	1,936.75	1/4	2,295.56	1/4	2,654.38	1/4	3,013.19	1/4	3,372.01
1/2	164.62	1/2	523.44	1/2	880.50	1/2	1,226.60	1/2	1,585.41	1/2	1,944.23	1/2	2,303.04	1/2	2,661.85	1/2	3,020.67	1/2	3,379.48
3/4	172.10	3/4	530.91	3/4	887.67	3/4	1,234.07	3/4	1,592.89	3/4	1,951.70	3/4	2,310.52	3/4	2,669.33	3/4	3,028.14	3/4	3,386.96
6	179.57	6	538.39	6	894.84	6	1,241.55	6	1,600.36	6	1,959.18	6	2,317.99	6	2,676.80	6	3,035.62	6	3,394.43
1/4	187.05	1/4	545.86	1/4	902.01	1/4	1,249.02	1/4	1,607.84	1/4	1,966.65	1/4	2,325.47	1/4	2,684.28	1/4	3,043.09	1/4	3,401.91
1/2	194.52	1/2	553.34	1/2	909.18	1/2	1,256.50	1/2	1,615.31	1/2	1,974.13	1/2	2,332.94	1/2	2,691.76	1/2	3,050.57	1/2	3,409.38
3/4	202.00	3/4	560.81	3/4	916.35	3/4	1,263.97	3/4	1,622.79	3/4	1,981.60	3/4	2,340.42	3/4	2,699.23	3/4	3,058.05	3/4	3,416.86
7	209.47	7	568.29	7	923.51	7	1,271.45	7	1,630.26	7	1,989.08	7	2,347.89	7	2,706.71	7	3,065.52	7	3,424.33
1/4	216.95	1/4	575.76	1/4	930.68	1/4	1,278.92	1/4	1,637.74	1/4	1,996.55	1/4	2,355.37	1/4	2,714.18	1/4	3,073.00	1/4	3,431.81
1/2	224.42	1/2	583.24	1/2	937.85	1/2	1,286.40	1/2	1,645.21	1/2	2,004.03	1/2	2,362.84	1/2	2,721.66	1/2	3,080.47	1/2	3,439.29
3/4	231.90	3/4	590.71	3/4	945.02	3/4	1,293.87	3/4	1,652.69	3/4	2,011.50	3/4	2,370.32	3/4	2,729.13	3/4	3,087.95	3/4	3,446.76
8	239.37	8	598.19	8	952.19	8	1,301.35	8	1,660.16	8	2,018.98	8	2,377.79	8	2,736.61	8	3,095.42	8	3,454.24
1/4	246.85	1/4	605.66	1/4	959.36	1/4	1,308.82	1/4	1,667.64	1/4	2,026.45	1/4	2,385.27	1/4	2,744.08	1/4	3,102.90	1/4	3,461.71
1/2	254.32	1/2	613.14	1/2	966.52	1/2	1,316.30	1/2	1,675.11	1/2	2,033.93	1/2	2,392.74	1/2	2,751.56	1/2	3,110.37	1/2	3,469.19
3/4	261.80	3/4	620.61	3/4	973.69	3/4	1,323.78	3/4	1,682.59	3/4	2,041.40	3/4	2,400.22	3/4	2,759.03	3/4	3,117.85	3/4	3,476.66
9	269.28	9	628.09	9	980.86	9	1,331.25	9	1,690.07	9	2,048.88	9	2,407.69	9	2,766.51	9	3,125.32	9	3,484.14
1/4	276.75	1/4	635.56	1/4	988.03	1/4	1,338.73	1/4	1,697.54	1/4	2,056.35	1/4	2,415.17	1/4	2,773.98	1/4	3,132.80	1/4	3,491.61
1/2	284.23	1/2	643.04	1/2	995.20	1/2	1,346.20	1/2	1,705.02	1/2	2,063.83	1/2	2,422.64	1/2	2,781.46	1/2	3,140.27	1/2	3,499.09
3/4	291.70	3/4	650.52	3/4	1,002.37	3/4	1,353.68	3/4	1,712.49	3/4	2,071.31	3/4	2,430.12	3/4	2,788.93	3/4	3,147.75	3/4	3,506.56
10	299.18	10	657.99	10	1,009.54	10	1,361.15	10	1,719.97	10	2,078.78	10	2,437.60	10	2,796.41	10	3,155.22	10	3,514.04
1/4	306.65	1/4	665.47	1/4	1,016.70	1/4	1,368.63	1/4	1,727.44	1/4	2,086.26	1/4	2,445.07	1/4	2,803.88	1/4	3,162.70	1/4	3,521.51
1/2	314.13	1/2	672.94	1/2	1,023.87	1/2	1,376.10	1/2	1,734.92	1/2	2,093.73	1/2	2,452.55	1/2	2,811.36	1/2	3,170.17	1/2	3,528.99
3/4	321.60	3/4	680.42	3/4	1,031.04	3/4	1,383.58	3/4	1,742.39	3/4	2,101.21	3/4	2,460.02	3/4	2,818.84	3/4	3,177.65	3/4	3,536.46
11	329.08	11	687.89	11	1,038.21	11	1,391.05	11	1,749.87	11	2,108.68	11	2,467.50	11	2,826.31	11	3,185.13	11	3,543.94
1/4	336.55	1/4	695.37	1/4	1,045.38	1/4	1,398.53	1/4	1,757.34	1/4	2,116.16	1/4	2,474.97	1/4	2,833.79	1/4	3,192.60	1/4	3,551.41
1/2	344.03	1/2	702.84	1/2	1,052.55	1/2	1,406.00	1/2	1,764.82	1/2	2,123.63	1/2	2,482.45	1/2	2,841.26	1/2	3,200.08	1/2	3,558.89
3/4	351.50	3/4	710.32	3/4	1,059.72	3/4	1,413.48	3/4	1,772.29	3/4	2,131.11	3/4	2,489.92	3/4	2,848.74	3/4	3,207.55	3/4	3,566.37

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD

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

BARGE "E2MS 312"

2 PORT

INNAGE TABLE
HERMETIC

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	3,573.84	0	3,932.66	0	4,290.77	0	4,648.52	0	5,004.63	0		0		0		0		0	
1/4	3,581.32	1/4	3,940.13	1/4	4,298.22	1/4	4,655.98	1/4	5,011.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.79	1/2	3,947.61	1/2	4,305.67	1/2	4,663.43	1/2	5,019.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,596.27	3/4	3,955.08	3/4	4,313.13	3/4	4,670.88	3/4	5,026.58	3/4		3/4		3/4		3/4		3/4	
1	3,603.74	1	3,962.56	1	4,320.58	1	4,678.34	1	5,033.90	1		1		1		1		1	
1/4	3,611.22	1/4	3,970.03	1/4	4,328.03	1/4	4,685.79	1/4	5,040.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,618.69	1/2	3,977.51	1/2	4,335.49	1/2	4,693.24	1/2	5,046.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,626.17	3/4	3,984.98	3/4	4,342.94	3/4	4,700.70	3/4	5,053.26	3/4		3/4		3/4		3/4		3/4	
2	3,633.64	2	3,992.46	2	4,350.39	2	4,708.15	2	5,059.71	2		2		2		2		2	
1/4	3,641.12	1/4	3,999.93	1/4	4,357.85	1/4	4,715.60	1/4	5,064.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,648.59	1/2	4,007.41	1/2	4,365.30	1/2	4,723.06	1/2	5,070.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,656.07	3/4	4,014.88	3/4	4,372.75	3/4	4,730.51	3/4	5,075.33	3/4		3/4		3/4		3/4		3/4	
3	3,663.54	3	4,022.36	3	4,380.21	3	4,737.96	3	5,080.54	3		3		3		3		3	
1/4	3,671.02	1/4	4,029.83	1/4	4,387.66	1/4	4,745.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,678.50	1/2	4,037.31	1/2	4,395.11	1/2	4,752.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.97	3/4	4,044.78	3/4	4,402.57	3/4	4,760.32	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,693.45	4	4,052.26	4	4,410.02	4	4,767.78	4		4		4		4		4		4	
1/4	3,700.92	1/4	4,059.71	1/4	4,417.47	1/4	4,775.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,708.40	1/2	4,067.17	1/2	4,424.93	1/2	4,782.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.87	3/4	4,074.62	3/4	4,432.38	3/4	4,790.14	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,723.35	5	4,082.07	5	4,439.83	5	4,797.59	5		5		5		5		5		5	
1/4	3,730.82	1/4	4,089.53	1/4	4,447.28	1/4	4,805.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,738.30	1/2	4,096.98	1/2	4,454.74	1/2	4,812.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,745.77	3/4	4,104.43	3/4	4,462.19	3/4	4,819.95	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,753.25	6	4,111.89	6	4,469.64	6	4,827.40	6		6		6		6		6		6	
1/4	3,760.72	1/4	4,119.34	1/4	4,477.10	1/4	4,834.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,768.20	1/2	4,126.79	1/2	4,484.55	1/2	4,842.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,775.67	3/4	4,134.25	3/4	4,492.00	3/4	4,849.57	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,783.15	7	4,141.70	7	4,499.46	7	4,856.95	7		7		7		7		7		7	
1/4	3,790.62	1/4	4,149.15	1/4	4,506.91	1/4	4,864.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,798.10	1/2	4,156.61	1/2	4,514.36	1/2	4,871.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,805.58	3/4	4,164.06	3/4	4,521.82	3/4	4,879.12	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,813.05	8	4,171.51	8	4,529.27	8	4,886.51	8		8		8		8		8		8	
1/4	3,820.53	1/4	4,178.97	1/4	4,536.72	1/4	4,893.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,828.00	1/2	4,186.42	1/2	4,544.18	1/2	4,901.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,835.48	3/4	4,193.87	3/4	4,551.63	3/4	4,908.67	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,842.95	9	4,201.33	9	4,559.08	9	4,916.06	9		9		9		9		9		9	
1/4	3,850.43	1/4	4,208.78	1/4	4,566.54	1/4	4,923.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,857.90	1/2	4,216.23	1/2	4,573.99	1/2	4,930.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,865.38	3/4	4,223.69	3/4	4,581.44	3/4	4,938.22	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,872.85	10	4,231.14	10	4,588.90	10	4,945.61	10		10		10		10		10		10	
1/4	3,880.33	1/4	4,238.59	1/4	4,596.35	1/4	4,952.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,887.80	1/2	4,246.05	1/2	4,603.80	1/2	4,960.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,895.28	3/4	4,253.50	3/4	4,611.26	3/4	4,967.76	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,902.75	11	4,260.95	11	4,618.71	11	4,975.14	11		11		11		11		11		11	
1/4	3,910.23	1/4	4,268.41	1/4	4,626.16	1/4	4,982.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,917.70	1/2	4,275.86	1/2	4,633.62	1/2	4,989.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,925.18	3/4	4,283.31	3/4	4,641.07	3/4	4,997.26	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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

BARGE "E2MS 312"

2 STBD

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.34	0	359.50	0	718.84	0	1,077.77	0	1,437.01	0	1,796.34	0	2,155.68	0	2,515.02	0	2,874.29	0	3,233.52
1/4	20.02	1/4	366.99	1/4	726.33	1/4	1,085.24	1/4	1,444.49	1/4	1,803.83	1/4	2,163.17	1/4	2,522.51	1/4	2,881.78	1/4	3,241.00
1/2	24.69	1/2	374.47	1/2	733.81	1/2	1,092.71	1/2	1,451.98	1/2	1,811.32	1/2	2,170.65	1/2	2,529.99	1/2	2,889.26	1/2	3,248.49
3/4	29.37	3/4	381.96	3/4	741.30	3/4	1,100.19	3/4	1,459.46	3/4	1,818.80	3/4	2,178.14	3/4	2,537.48	3/4	2,896.74	3/4	3,255.97
1	34.05	1	389.45	1	748.78	1	1,107.66	1	1,466.95	1	1,826.29	1	2,185.63	1	2,544.96	1	2,904.23	1	3,263.46
1/4	40.60	1/4	396.93	1/4	756.27	1/4	1,115.14	1/4	1,474.44	1/4	1,833.77	1/4	2,193.11	1/4	2,552.45	1/4	2,911.71	1/4	3,270.94
1/2	47.15	1/2	404.42	1/2	763.76	1/2	1,122.62	1/2	1,481.92	1/2	1,841.26	1/2	2,200.60	1/2	2,559.94	1/2	2,919.20	1/2	3,278.42
3/4	53.70	3/4	411.91	3/4	771.24	3/4	1,130.10	3/4	1,489.41	3/4	1,848.75	3/4	2,208.08	3/4	2,567.42	3/4	2,926.68	3/4	3,285.91
2	60.25	2	419.39	2	778.73	2	1,137.58	2	1,496.90	2	1,856.23	2	2,215.57	2	2,574.91	2	2,934.16	2	3,293.39
1/4	67.70	1/4	426.88	1/4	786.22	1/4	1,145.06	1/4	1,504.38	1/4	1,863.72	1/4	2,223.06	1/4	2,582.39	1/4	2,941.65	1/4	3,300.87
1/2	75.15	1/2	434.36	1/2	793.70	1/2	1,152.54	1/2	1,511.87	1/2	1,871.21	1/2	2,230.54	1/2	2,589.88	1/2	2,949.13	1/2	3,308.36
3/4	82.60	3/4	441.85	3/4	801.19	3/4	1,160.02	3/4	1,519.35	3/4	1,878.69	3/4	2,238.03	3/4	2,597.37	3/4	2,956.62	3/4	3,315.84
3	90.05	3	449.34	3	808.67	3	1,167.50	3	1,526.84	3	1,886.18	3	2,245.52	3	2,604.85	3	2,964.10	3	3,323.33
1/4	97.52	1/4	456.82	1/4	816.16	1/4	1,174.99	1/4	1,534.33	1/4	1,893.66	1/4	2,253.00	1/4	2,612.34	1/4	2,971.58	1/4	3,330.81
1/2	105.00	1/2	464.31	1/2	823.65	1/2	1,182.48	1/2	1,541.81	1/2	1,901.15	1/2	2,260.49	1/2	2,619.83	1/2	2,979.07	1/2	3,338.29
3/4	112.47	3/4	471.80	3/4	831.13	3/4	1,189.96	3/4	1,549.30	3/4	1,908.64	3/4	2,267.97	3/4	2,627.31	3/4	2,986.55	3/4	3,345.78
4	119.95	4	479.28	4	838.62	4	1,197.45	4	1,556.79	4	1,916.12	4	2,275.46	4	2,634.80	4	2,994.03	4	3,353.26
1/4	127.43	1/4	486.77	1/4	846.11	1/4	1,204.93	1/4	1,564.27	1/4	1,923.61	1/4	2,282.95	1/4	2,642.28	1/4	3,001.52	1/4	3,360.75
1/2	134.92	1/2	494.25	1/2	853.59	1/2	1,212.42	1/2	1,571.76	1/2	1,931.10	1/2	2,290.43	1/2	2,649.77	1/2	3,009.00	1/2	3,368.23
3/4	142.40	3/4	501.74	3/4	861.08	3/4	1,219.91	3/4	1,579.24	3/4	1,938.58	3/4	2,297.92	3/4	2,657.26	3/4	3,016.49	3/4	3,375.71
5	149.89	5	509.23	5	868.56	5	1,227.39	5	1,586.73	5	1,946.07	5	2,305.41	5	2,664.74	5	3,023.97	5	3,383.20
1/4	157.37	1/4	516.71	1/4	876.04	1/4	1,234.88	1/4	1,594.22	1/4	1,953.55	1/4	2,312.89	1/4	2,672.23	1/4	3,031.45	1/4	3,390.68
1/2	164.86	1/2	524.20	1/2	883.51	1/2	1,242.37	1/2	1,601.70	1/2	1,961.04	1/2	2,320.38	1/2	2,679.71	1/2	3,038.94	1/2	3,398.17
3/4	172.35	3/4	531.68	3/4	890.98	3/4	1,249.85	3/4	1,609.19	3/4	1,968.53	3/4	2,327.86	3/4	2,687.19	3/4	3,046.42	3/4	3,405.65
6	179.83	6	539.17	6	898.45	6	1,257.34	6	1,616.68	6	1,976.01	6	2,335.35	6	2,694.68	6	3,053.91	6	3,413.13
1/4	187.32	1/4	546.66	1/4	905.92	1/4	1,264.82	1/4	1,624.16	1/4	1,983.50	1/4	2,342.84	1/4	2,702.16	1/4	3,061.39	1/4	3,420.62
1/2	194.81	1/2	554.14	1/2	913.39	1/2	1,272.31	1/2	1,631.65	1/2	1,990.99	1/2	2,350.32	1/2	2,709.65	1/2	3,068.87	1/2	3,428.10
3/4	202.29	3/4	561.63	3/4	920.87	3/4	1,279.80	3/4	1,639.13	3/4	1,998.47	3/4	2,357.81	3/4	2,717.13	3/4	3,076.36	3/4	3,435.58
7	209.78	7	569.12	7	928.34	7	1,287.28	7	1,646.62	7	2,005.96	7	2,365.30	7	2,724.61	7	3,083.84	7	3,443.07
1/4	217.26	1/4	576.60	1/4	935.81	1/4	1,294.77	1/4	1,654.11	1/4	2,013.44	1/4	2,372.78	1/4	2,732.10	1/4	3,091.33	1/4	3,450.55
1/2	224.75	1/2	584.09	1/2	943.28	1/2	1,302.25	1/2	1,661.59	1/2	2,020.93	1/2	2,380.27	1/2	2,739.58	1/2	3,098.81	1/2	3,458.04
3/4	232.24	3/4	591.57	3/4	950.75	3/4	1,309.74	3/4	1,669.08	3/4	2,028.42	3/4	2,387.75	3/4	2,747.07	3/4	3,106.29	3/4	3,465.52
8	239.72	8	599.06	8	958.22	8	1,317.23	8	1,676.56	8	2,035.90	8	2,395.24	8	2,754.55	8	3,113.78	8	3,473.00
1/4	247.21	1/4	606.55	1/4	965.70	1/4	1,324.71	1/4	1,684.05	1/4	2,043.39	1/4	2,402.73	1/4	2,762.03	1/4	3,121.26	1/4	3,480.49
1/2	254.70	1/2	614.03	1/2	973.17	1/2	1,332.20	1/2	1,691.54	1/2	2,050.87	1/2	2,410.21	1/2	2,769.52	1/2	3,128.74	1/2	3,487.97
3/4	262.18	3/4	621.52	3/4	980.64	3/4	1,339.69	3/4	1,699.02	3/4	2,058.36	3/4	2,417.70	3/4	2,777.00	3/4	3,136.23	3/4	3,495.46
9	269.67	9	629.01	9	988.11	9	1,347.17	9	1,706.51	9	2,065.85	9	2,425.18	9	2,784.49	9	3,143.71	9	3,502.94
1/4	277.15	1/4	636.49	1/4	995.58	1/4	1,354.66	1/4	1,714.00	1/4	2,073.33	1/4	2,432.67	1/4	2,791.97	1/4	3,151.20	1/4	3,510.42
1/2	284.64	1/2	643.98	1/2	1,003.05	1/2	1,362.14	1/2	1,721.48	1/2	2,080.82	1/2	2,440.16	1/2	2,799.45	1/2	3,158.68	1/2	3,517.91
3/4	292.13	3/4	651.46	3/4	1,010.53	3/4	1,369.63	3/4	1,728.97	3/4	2,088.31	3/4	2,447.64	3/4	2,806.94	3/4	3,166.16	3/4	3,525.39
10	299.61	10	658.95	10	1,018.00	10	1,377.12	10	1,736.45	10	2,095.79	10	2,455.13	10	2,814.42	10	3,173.65	10	3,532.88
1/4	307.10	1/4	666.44	1/4	1,025.47	1/4	1,384.60	1/4	1,743.94	1/4	2,103.28	1/4	2,462.62	1/4	2,821.91	1/4	3,181.13	1/4	3,540.36
1/2	314.59	1/2	673.92	1/2	1,032.94	1/2	1,392.09	1/2	1,751.43	1/2	2,110.76	1/2	2,470.10	1/2	2,829.39	1/2	3,188.62	1/2	3,547.84
3/4	322.07	3/4	681.41	3/4	1,040.41	3/4	1,399.58	3/4	1,758.91	3/4	2,118.25	3/4	2,477.59	3/4	2,836.87	3/4	3,196.10	3/4	3,555.33
11	329.56	11	688.90	11	1,047.88	11	1,407.06	11	1,766.40	11	2,125.74	11	2,485.07	11	2,844.36	11	3,203.58	11	3,562.81
1/4	337.04	1/4	696.38	1/4	1,055.36	1/4	1,414.55	1/4	1,773.89	1/4	2,133.22	1/4	2,492.56	1/4	2,851.84	1/4	3,211.07	1/4	3,570.30
1/2	344.53	1/2	703.87	1/2	1,062.83	1/2	1,422.03	1/2	1,781.37	1/2	2,140.71	1/2	2,500.05	1/2	2,859.32	1/2	3,218.55	1/2	3,577.78
3/4	352.02	3/4	711.35	3/4	1,070.30	3/4	1,429.52	3/4	1,788.86	3/4	2,148.20	3/4	2,507.53	3/4	2,866.81	3/4	3,226.04	3/4	3,585.26

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD

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

BARGE "E2MS 312"

2 STBD

INNAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,592.75	0	3,951.97	0	4,310.51	0	4,668.71	0	5,025.09	0		0		0		0		0	
1/4	3,600.23	1/4	3,959.46	1/4	4,317.98	1/4	4,676.17	1/4	5,032.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,607.71	1/2	3,966.94	1/2	4,325.44	1/2	4,683.63	1/2	5,039.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,615.20	3/4	3,974.43	3/4	4,332.90	3/4	4,691.10	3/4	5,047.05	3/4		3/4		3/4		3/4		3/4	
1	3,622.68	1	3,981.91	1	4,340.36	1	4,698.56	1	5,054.37	1		1		1		1		1	
1/4	3,630.17	1/4	3,989.39	1/4	4,347.83	1/4	4,706.02	1/4	5,060.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,637.65	1/2	3,996.88	1/2	4,355.29	1/2	4,713.48	1/2	5,067.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.13	3/4	4,004.36	3/4	4,362.75	3/4	4,720.95	3/4	5,073.73	3/4		3/4		3/4		3/4		3/4	
2	3,652.62	2	4,011.85	2	4,370.21	2	4,728.41	2	5,080.19	2		2		2		2		2	
1/4	3,660.10	1/4	4,019.33	1/4	4,377.67	1/4	4,735.87	1/4	5,085.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,667.59	1/2	4,026.81	1/2	4,385.14	1/2	4,743.33	1/2	5,090.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,675.07	3/4	4,034.30	3/4	4,392.60	3/4	4,750.79	3/4	5,095.81	3/4		3/4		3/4		3/4		3/4	
3	3,682.55	3	4,041.78	3	4,400.06	3	4,758.26	3	5,101.02	3		3		3		3		3	
1/4	3,690.04	1/4	4,049.26	1/4	4,407.52	1/4	4,765.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.52	1/2	4,056.75	1/2	4,414.99	1/2	4,773.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,705.01	3/4	4,064.23	3/4	4,422.45	3/4	4,780.64	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,712.49	4	4,071.72	4	4,429.91	4	4,788.11	4		4		4		4		4		4	
1/4	3,719.97	1/4	4,079.18	1/4	4,437.37	1/4	4,795.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,727.46	1/2	4,086.64	1/2	4,444.84	1/2	4,803.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,734.94	3/4	4,094.10	3/4	4,452.30	3/4	4,810.49	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,742.42	5	4,101.57	5	4,459.76	5	4,817.96	5		5		5		5		5		5	
1/4	3,749.91	1/4	4,109.03	1/4	4,467.22	1/4	4,825.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,757.39	1/2	4,116.49	1/2	4,474.69	1/2	4,832.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,764.88	3/4	4,123.95	3/4	4,482.15	3/4	4,840.34	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,772.36	6	4,131.42	6	4,489.61	6	4,847.81	6		6		6		6		6		6	
1/4	3,779.84	1/4	4,138.88	1/4	4,497.07	1/4	4,855.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,787.33	1/2	4,146.34	1/2	4,504.54	1/2	4,862.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,794.81	3/4	4,153.80	3/4	4,512.00	3/4	4,869.97	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,802.30	7	4,161.27	7	4,519.46	7	4,877.36	7		7		7		7		7		7	
1/4	3,809.78	1/4	4,168.73	1/4	4,526.92	1/4	4,884.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,817.26	1/2	4,176.19	1/2	4,534.39	1/2	4,892.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,824.75	3/4	4,183.65	3/4	4,541.85	3/4	4,899.52	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,832.23	8	4,191.11	8	4,549.31	8	4,906.91	8		8		8		8		8		8	
1/4	3,839.72	1/4	4,198.58	1/4	4,556.77	1/4	4,914.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,847.20	1/2	4,206.04	1/2	4,564.23	1/2	4,921.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,854.68	3/4	4,213.50	3/4	4,571.70	3/4	4,929.08	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,862.17	9	4,220.96	9	4,579.16	9	4,936.47	9		9		9		9		9		9	
1/4	3,869.65	1/4	4,228.43	1/4	4,586.62	1/4	4,943.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,877.13	1/2	4,235.89	1/2	4,594.08	1/2	4,951.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,884.62	3/4	4,243.35	3/4	4,601.55	3/4	4,958.64	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,892.10	10	4,250.81	10	4,609.01	10	4,966.03	10		10		10		10		10		10	
1/4	3,899.59	1/4	4,258.28	1/4	4,616.47	1/4	4,973.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,907.07	1/2	4,265.74	1/2	4,623.93	1/2	4,980.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,914.55	3/4	4,273.20	3/4	4,631.40	3/4	4,988.20	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,922.04	11	4,280.66	11	4,638.86	11	4,995.58	11		11		11		11		11		11	
1/4	3,929.52	1/4	4,288.13	1/4	4,646.32	1/4	5,002.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,937.01	1/2	4,295.59	1/2	4,653.78	1/2	5,010.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,944.49	3/4	4,303.05	3/4	4,661.25	3/4	5,017.71	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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

BARGE "E2MS 312"

3 PORT

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.28	0	358.05	0	715.48	0	1,063.24	0	1,416.66	0	1,773.77	0	2,130.17	0	2,487.27	0	2,844.09	0	3,200.88
1/4	19.94	1/4	365.50	1/4	722.92	1/4	1,070.39	1/4	1,424.10	1/4	1,781.20	1/4	2,137.60	1/4	2,494.70	1/4	2,851.52	1/4	3,208.29
1/2	24.60	1/2	372.95	1/2	730.37	1/2	1,077.54	1/2	1,431.54	1/2	1,788.62	1/2	2,145.04	1/2	2,502.14	1/2	2,858.95	1/2	3,215.69
3/4	29.26	3/4	380.39	3/4	737.82	3/4	1,084.69	3/4	1,438.98	3/4	1,796.05	3/4	2,152.48	3/4	2,509.57	3/4	2,866.39	3/4	3,223.10
1	33.93	1	387.84	1	745.26	1	1,091.84	1	1,446.42	1	1,803.47	1	2,159.92	1	2,517.01	1	2,873.82	1	3,230.50
1/4	40.45	1/4	395.29	1/4	752.71	1/4	1,099.06	1/4	1,453.86	1/4	1,810.90	1/4	2,167.36	1/4	2,524.44	1/4	2,881.25	1/4	3,237.90
1/2	46.97	1/2	402.73	1/2	760.15	1/2	1,106.28	1/2	1,461.31	1/2	1,818.32	1/2	2,174.79	1/2	2,531.88	1/2	2,888.69	1/2	3,245.31
3/4	53.50	3/4	410.18	3/4	767.60	3/4	1,113.50	3/4	1,468.75	3/4	1,825.75	3/4	2,182.23	3/4	2,539.31	3/4	2,896.12	3/4	3,252.71
2	60.02	2	417.62	2	775.05	2	1,120.72	2	1,476.19	2	1,833.17	2	2,189.67	2	2,546.74	2	2,903.55	2	3,260.12
1/4	67.44	1/4	425.07	1/4	782.49	1/4	1,127.94	1/4	1,483.63	1/4	1,840.60	1/4	2,197.11	1/4	2,554.18	1/4	2,910.99	1/4	3,267.52
1/2	74.87	1/2	432.52	1/2	789.94	1/2	1,135.16	1/2	1,491.07	1/2	1,848.02	1/2	2,204.55	1/2	2,561.61	1/2	2,918.42	1/2	3,274.93
3/4	82.29	3/4	439.96	3/4	797.39	3/4	1,142.38	3/4	1,498.51	3/4	1,855.45	3/4	2,211.98	3/4	2,569.05	3/4	2,925.85	3/4	3,282.33
3	89.71	3	447.41	3	804.83	3	1,149.60	3	1,505.95	3	1,862.87	3	2,219.42	3	2,576.48	3	2,933.29	3	3,289.74
1/4	97.16	1/4	454.86	1/4	812.21	1/4	1,156.83	1/4	1,513.40	1/4	1,870.30	1/4	2,226.86	1/4	2,583.92	1/4	2,940.72	1/4	3,297.14
1/2	104.60	1/2	462.30	1/2	819.60	1/2	1,164.07	1/2	1,520.84	1/2	1,877.72	1/2	2,234.30	1/2	2,591.35	1/2	2,948.15	1/2	3,304.55
3/4	112.05	3/4	469.75	3/4	826.98	3/4	1,171.30	3/4	1,528.28	3/4	1,885.15	3/4	2,241.73	3/4	2,598.79	3/4	2,955.58	3/4	3,311.95
4	119.50	4	477.19	4	834.36	4	1,178.54	4	1,535.72	4	1,892.57	4	2,249.17	4	2,606.22	4	2,963.02	4	3,319.36
1/4	126.96	1/4	484.64	1/4	841.54	1/4	1,185.98	1/4	1,543.16	1/4	1,900.00	1/4	2,256.61	1/4	2,613.65	1/4	2,970.45	1/4	3,326.76
1/2	134.41	1/2	492.09	1/2	848.71	1/2	1,193.42	1/2	1,550.60	1/2	1,907.42	1/2	2,264.05	1/2	2,621.09	1/2	2,977.88	1/2	3,334.17
3/4	141.87	3/4	499.53	3/4	855.88	3/4	1,200.86	3/4	1,558.04	3/4	1,914.85	3/4	2,271.49	3/4	2,628.52	3/4	2,985.32	3/4	3,341.57
5	149.33	5	506.98	5	863.05	5	1,208.30	5	1,565.48	5	1,922.27	5	2,278.92	5	2,635.96	5	2,992.75	5	3,348.98
1/4	156.78	1/4	514.43	1/4	870.20	1/4	1,215.74	1/4	1,572.93	1/4	1,929.70	1/4	2,286.37	1/4	2,643.39	1/4	3,000.18	1/4	3,356.38
1/2	164.24	1/2	521.87	1/2	877.35	1/2	1,223.18	1/2	1,580.37	1/2	1,937.12	1/2	2,293.81	1/2	2,650.82	1/2	3,007.62	1/2	3,363.78
3/4	171.70	3/4	529.32	3/4	884.50	3/4	1,230.63	3/4	1,587.81	3/4	1,944.55	3/4	2,301.25	3/4	2,658.26	3/4	3,015.05	3/4	3,371.18
6	179.16	6	536.77	6	891.65	6	1,238.07	6	1,595.25	6	1,951.97	6	2,308.70	6	2,665.69	6	3,022.48	6	3,378.58
1/4	186.62	1/4	544.21	1/4	898.80	1/4	1,245.51	1/4	1,602.69	1/4	1,959.40	1/4	2,316.14	1/4	2,673.12	1/4	3,029.92	1/4	3,385.97
1/2	194.07	1/2	551.66	1/2	905.95	1/2	1,252.95	1/2	1,610.13	1/2	1,966.82	1/2	2,323.59	1/2	2,680.56	1/2	3,037.35	1/2	3,393.36
3/4	201.53	3/4	559.10	3/4	913.10	3/4	1,260.39	3/4	1,617.57	3/4	1,974.25	3/4	2,331.03	3/4	2,687.99	3/4	3,044.78	3/4	3,400.75
7	208.99	7	566.55	7	920.25	7	1,267.83	7	1,625.01	7	1,981.67	7	2,338.47	7	2,695.42	7	3,052.22	7	3,408.14
1/4	216.45	1/4	574.00	1/4	927.40	1/4	1,275.27	1/4	1,632.46	1/4	1,989.10	1/4	2,345.92	1/4	2,702.86	1/4	3,059.65	1/4	3,415.31
1/2	223.90	1/2	581.44	1/2	934.55	1/2	1,282.71	1/2	1,639.90	1/2	1,996.52	1/2	2,353.36	1/2	2,710.29	1/2	3,067.08	1/2	3,422.47
3/4	231.36	3/4	588.89	3/4	941.70	3/4	1,290.16	3/4	1,647.34	3/4	2,003.95	3/4	2,360.80	3/4	2,717.72	3/4	3,074.52	3/4	3,429.64
8	238.82	8	596.34	8	948.85	8	1,297.60	8	1,654.78	8	2,011.37	8	2,368.25	8	2,725.16	8	3,081.95	8	3,436.80
1/4	246.28	1/4	603.78	1/4	956.00	1/4	1,305.04	1/4	1,662.22	1/4	2,018.80	1/4	2,375.69	1/4	2,732.59	1/4	3,089.38	1/4	3,443.49
1/2	253.74	1/2	611.23	1/2	963.15	1/2	1,312.48	1/2	1,669.66	1/2	2,026.22	1/2	2,383.13	1/2	2,740.02	1/2	3,096.82	1/2	3,450.17
3/4	261.19	3/4	618.67	3/4	970.30	3/4	1,319.92	3/4	1,677.10	3/4	2,033.65	3/4	2,390.58	3/4	2,747.46	3/4	3,104.25	3/4	3,456.86
9	268.65	9	626.12	9	977.45	9	1,327.36	9	1,684.54	9	2,041.07	9	2,398.02	9	2,754.89	9	3,111.68	9	3,463.54
1/4	276.11	1/4	633.57	1/4	984.60	1/4	1,334.80	1/4	1,691.99	1/4	2,048.49	1/4	2,405.46	1/4	2,762.32	1/4	3,119.12	1/4	3,469.75
1/2	283.57	1/2	641.01	1/2	991.74	1/2	1,342.25	1/2	1,699.43	1/2	2,055.91	1/2	2,412.91	1/2	2,769.75	1/2	3,126.55	1/2	3,475.96
3/4	291.03	3/4	648.46	3/4	998.89	3/4	1,349.69	3/4	1,706.87	3/4	2,063.32	3/4	2,420.35	3/4	2,777.19	3/4	3,133.98	3/4	3,482.17
10	298.48	10	655.91	10	1,006.04	10	1,357.13	10	1,714.31	10	2,070.74	10	2,427.79	10	2,784.62	10	3,141.41	10	3,488.37
1/4	305.93	1/4	663.35	1/4	1,013.19	1/4	1,364.57	1/4	1,721.75	1/4	2,078.16	1/4	2,435.23	1/4	2,792.05	1/4	3,148.85	1/4	3,494.11
1/2	313.38	1/2	670.80	1/2	1,020.34	1/2	1,372.01	1/2	1,729.19	1/2	2,085.58	1/2	2,442.66	1/2	2,799.49	1/2	3,156.28	1/2	3,499.85
3/4	320.82	3/4	678.24	3/4	1,027.49	3/4	1,379.45	3/4	1,736.63	3/4	2,093.00	3/4	2,450.10	3/4	2,806.92	3/4	3,163.71	3/4	3,505.59
11	328.27	11	685.69	11	1,034.64	11	1,386.89	11	1,744.08	11	2,100.41	11	2,457.53	11	2,814.35	11	3,171.15	11	3,511.33
1/4	335.72	1/4	693.14	1/4	1,041.79	1/4	1,394.33	1/4	1,751.50	1/4	2,107.85	1/4	2,464.97	1/4	2,821.79	1/4	3,178.58	1/4	3,516.60
1/2	343.16	1/2	700.58	1/2	1,048.94	1/2	1,401.78	1/2	1,758.93	1/2	2,115.29	1/2	2,472.40	1/2	2,829.22	1/2	3,186.01	1/2	3,521.86
3/4	350.61	3/4	708.03	3/4	1,056.09	3/4	1,409.22	3/4	1,766.35	3/4	2,122.73	3/4	2,479.83	3/4	2,836.65	3/4	3,193.45	3/4	3,527.12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD

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

BARGE "E2MS 312"

3 PORT

INNAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,532.38	0	3,753.08	0	3,972.42	0	4,191.56	0	4,409.60	0		0		0		0		0	
1/4	3,537.19	1/4	3,757.66	1/4	3,976.99	1/4	4,196.12	1/4	4,414.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,542.01	1/2	3,762.24	1/2	3,981.55	1/2	4,200.69	1/2	4,418.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,546.83	3/4	3,766.82	3/4	3,986.12	3/4	4,205.25	3/4	4,423.03	3/4		3/4		3/4		3/4		3/4	
1	3,551.65	1	3,771.40	1	3,990.68	1	4,209.82	1	4,427.51	1		1		1		1		1	
1/4	3,556.23	1/4	3,775.97	1/4	3,995.25	1/4	4,214.38	1/4	4,431.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,560.80	1/2	3,780.55	1/2	3,999.82	1/2	4,218.95	1/2	4,435.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,565.38	3/4	3,785.13	3/4	4,004.38	3/4	4,223.52	3/4	4,439.36	3/4		3/4		3/4		3/4		3/4	
2	3,569.96	2	3,789.71	2	4,008.95	2	4,228.08	2	4,443.30	2		2		2		2		2	
1/4	3,574.54	1/4	3,794.29	1/4	4,013.51	1/4	4,232.65	1/4	4,446.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,579.12	1/2	3,798.87	1/2	4,018.08	1/2	4,237.21	1/2	4,449.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,583.69	3/4	3,803.44	3/4	4,022.64	3/4	4,241.78	3/4	4,452.86	3/4		3/4		3/4		3/4		3/4	
3	3,588.27	3	3,808.02	3	4,027.21	3	4,246.34	3	4,456.05	3		3		3		3		3	
1/4	3,592.85	1/4	3,812.60	1/4	4,031.77	1/4	4,250.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,597.43	1/2	3,817.18	1/2	4,036.34	1/2	4,255.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,602.01	3/4	3,821.76	3/4	4,040.90	3/4	4,260.04	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,606.59	4	3,826.33	4	4,045.47	4	4,264.60	4		4		4		4		4		4	
1/4	3,611.16	1/4	3,830.90	1/4	4,050.03	1/4	4,269.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,615.74	1/2	3,835.46	1/2	4,054.60	1/2	4,273.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,620.32	3/4	3,840.03	3/4	4,059.16	3/4	4,278.30	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,624.90	5	3,844.60	5	4,063.73	5	4,282.86	5		5		5		5		5		5	
1/4	3,629.48	1/4	3,849.16	1/4	4,068.30	1/4	4,287.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,634.05	1/2	3,853.73	1/2	4,072.86	1/2	4,291.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,638.63	3/4	3,858.29	3/4	4,077.43	3/4	4,296.56	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,643.21	6	3,862.86	6	4,081.99	6	4,301.13	6		6		6		6		6		6	
1/4	3,647.79	1/4	3,867.42	1/4	4,086.56	1/4	4,305.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,652.37	1/2	3,871.99	1/2	4,091.12	1/2	4,310.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,656.94	3/4	3,876.55	3/4	4,095.69	3/4	4,314.69	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,661.52	7	3,881.12	7	4,100.25	7	4,319.21	7		7		7		7		7		7	
1/4	3,666.10	1/4	3,885.68	1/4	4,104.82	1/4	4,323.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,670.68	1/2	3,890.25	1/2	4,109.38	1/2	4,328.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,675.26	3/4	3,894.81	3/4	4,113.95	3/4	4,332.77	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,679.83	8	3,899.38	8	4,118.51	8	4,337.29	8		8		8		8		8		8	
1/4	3,684.41	1/4	3,903.94	1/4	4,123.08	1/4	4,341.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.99	1/2	3,908.51	1/2	4,127.64	1/2	4,346.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,693.57	3/4	3,913.07	3/4	4,132.21	3/4	4,350.85	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,698.15	9	3,917.64	9	4,136.77	9	4,355.37	9		9		9		9		9		9	
1/4	3,702.73	1/4	3,922.21	1/4	4,141.34	1/4	4,359.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,707.30	1/2	3,926.77	1/2	4,145.91	1/2	4,364.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.88	3/4	3,931.34	3/4	4,150.47	3/4	4,368.94	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,716.46	10	3,935.90	10	4,155.04	10	4,373.46	10		10		10		10		10		10	
1/4	3,721.04	1/4	3,940.47	1/4	4,159.60	1/4	4,377.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,725.62	1/2	3,945.03	1/2	4,164.17	1/2	4,382.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,730.19	3/4	3,949.60	3/4	4,168.73	3/4	4,387.02	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,734.77	11	3,954.16	11	4,173.30	11	4,391.55	11		11		11		11		11		11	
1/4	3,739.35	1/4	3,958.73	1/4	4,177.86	1/4	4,396.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,743.93	1/2	3,963.29	1/2	4,182.43	1/2	4,400.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,748.51	3/4	3,967.86	3/4	4,186.99	3/4	4,405.08	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
CALCULATED: 01/07/2019 CL
PRINTED: 01/07/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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

BARGE "E2MS 312"

3 STBD

INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.25	0	357.46	0	714.75	0	1,071.64	0	1,428.84	0	1,786.14	0	2,143.44	0	2,500.67	0	2,857.49	0	3,214.30
1/4	19.90	1/4	364.90	1/4	722.19	1/4	1,079.07	1/4	1,436.28	1/4	1,793.58	1/4	2,150.88	1/4	2,508.10	1/4	2,864.92	1/4	3,221.70
1/2	24.56	1/2	372.34	1/2	729.64	1/2	1,086.50	1/2	1,443.72	1/2	1,801.03	1/2	2,158.33	1/2	2,515.53	1/2	2,872.36	1/2	3,229.11
3/4	29.21	3/4	379.79	3/4	737.08	3/4	1,093.92	3/4	1,451.17	3/4	1,808.47	3/4	2,165.77	3/4	2,522.97	3/4	2,879.79	3/4	3,236.51
1	33.86	1	387.23	1	744.52	1	1,101.35	1	1,458.61	1	1,815.91	1	2,173.22	1	2,530.40	1	2,887.22	1	3,243.92
1/4	40.37	1/4	394.68	1/4	751.97	1/4	1,108.79	1/4	1,466.05	1/4	1,823.36	1/4	2,180.66	1/4	2,537.84	1/4	2,894.66	1/4	3,251.32
1/2	46.88	1/2	402.12	1/2	759.41	1/2	1,116.23	1/2	1,473.50	1/2	1,830.80	1/2	2,188.10	1/2	2,545.27	1/2	2,902.09	1/2	3,258.73
3/4	53.40	3/4	409.56	3/4	766.86	3/4	1,123.67	3/4	1,480.94	3/4	1,838.24	3/4	2,195.55	3/4	2,552.71	3/4	2,909.52	3/4	3,266.13
2	59.91	2	417.01	2	774.30	2	1,131.11	2	1,488.39	2	1,845.69	2	2,202.99	2	2,560.14	2	2,916.96	2	3,273.54
1/4	67.31	1/4	424.45	1/4	781.74	1/4	1,138.54	1/4	1,495.83	1/4	1,853.13	1/4	2,210.43	1/4	2,567.57	1/4	2,924.39	1/4	3,280.94
1/2	74.72	1/2	431.89	1/2	789.19	1/2	1,145.98	1/2	1,503.27	1/2	1,860.58	1/2	2,217.88	1/2	2,575.01	1/2	2,931.82	1/2	3,288.35
3/4	82.13	3/4	439.34	3/4	796.63	3/4	1,153.42	3/4	1,510.72	3/4	1,868.02	3/4	2,225.32	3/4	2,582.44	3/4	2,939.26	3/4	3,295.75
3	89.54	3	446.78	3	804.07	3	1,160.86	3	1,518.16	3	1,875.46	3	2,232.77	3	2,589.88	3	2,946.69	3	3,303.16
1/4	96.97	1/4	454.22	1/4	811.52	1/4	1,168.30	1/4	1,525.61	1/4	1,882.91	1/4	2,240.21	1/4	2,597.31	1/4	2,954.12	1/4	3,310.56
1/2	104.40	1/2	461.67	1/2	818.96	1/2	1,175.75	1/2	1,533.05	1/2	1,890.35	1/2	2,247.65	1/2	2,604.74	1/2	2,961.56	1/2	3,317.97
3/4	111.84	3/4	469.11	3/4	826.40	3/4	1,183.19	3/4	1,540.49	3/4	1,897.80	3/4	2,255.10	3/4	2,612.18	3/4	2,968.99	3/4	3,325.37
4	119.27	4	476.55	4	833.85	4	1,190.63	4	1,547.94	4	1,905.24	4	2,262.54	4	2,619.61	4	2,976.42	4	3,332.78
1/4	126.71	1/4	484.00	1/4	841.29	1/4	1,198.08	1/4	1,555.38	1/4	1,912.68	1/4	2,269.99	1/4	2,627.05	1/4	2,983.86	1/4	3,340.18
1/2	134.15	1/2	491.44	1/2	848.73	1/2	1,205.52	1/2	1,562.82	1/2	1,920.13	1/2	2,277.43	1/2	2,634.48	1/2	2,991.29	1/2	3,347.59
3/4	141.59	3/4	498.89	3/4	856.18	3/4	1,212.97	3/4	1,570.27	3/4	1,927.57	3/4	2,284.87	3/4	2,641.92	3/4	2,998.72	3/4	3,354.99
5	149.04	5	506.33	5	863.62	5	1,220.41	5	1,577.71	5	1,935.01	5	2,292.32	5	2,649.35	5	3,006.16	5	3,362.40
1/4	156.48	1/4	513.77	1/4	871.05	1/4	1,227.85	1/4	1,585.16	1/4	1,942.46	1/4	2,299.76	1/4	2,656.78	1/4	3,013.59	1/4	3,369.80
1/2	163.92	1/2	521.22	1/2	878.48	1/2	1,235.30	1/2	1,592.60	1/2	1,949.90	1/2	2,307.20	1/2	2,664.22	1/2	3,021.03	1/2	3,377.20
3/4	171.37	3/4	528.66	3/4	885.91	3/4	1,242.74	3/4	1,600.04	3/4	1,957.35	3/4	2,314.65	3/4	2,671.65	3/4	3,028.46	3/4	3,384.60
6	178.81	6	536.10	6	893.34	6	1,250.18	6	1,607.49	6	1,964.79	6	2,322.09	6	2,679.08	6	3,035.89	6	3,392.00
1/4	186.25	1/4	543.55	1/4	900.77	1/4	1,257.63	1/4	1,614.93	1/4	1,972.23	1/4	2,329.54	1/4	2,686.52	1/4	3,043.33	1/4	3,399.39
1/2	193.70	1/2	550.99	1/2	908.20	1/2	1,265.07	1/2	1,622.37	1/2	1,979.68	1/2	2,336.98	1/2	2,693.95	1/2	3,050.76	1/2	3,406.78
3/4	201.14	3/4	558.43	3/4	915.63	3/4	1,272.52	3/4	1,629.82	3/4	1,987.12	3/4	2,344.42	3/4	2,701.38	3/4	3,058.19	3/4	3,414.17
7	208.59	7	565.88	7	923.05	7	1,279.96	7	1,637.26	7	1,994.56	7	2,351.87	7	2,708.82	7	3,065.63	7	3,421.57
1/4	216.03	1/4	573.32	1/4	930.48	1/4	1,287.40	1/4	1,644.71	1/4	2,002.01	1/4	2,359.31	1/4	2,716.25	1/4	3,073.06	1/4	3,428.73
1/2	223.47	1/2	580.77	1/2	937.91	1/2	1,294.85	1/2	1,652.15	1/2	2,009.45	1/2	2,366.75	1/2	2,723.69	1/2	3,080.49	1/2	3,435.90
3/4	230.92	3/4	588.21	3/4	945.34	3/4	1,302.29	3/4	1,659.59	3/4	2,016.90	3/4	2,374.20	3/4	2,731.12	3/4	3,087.93	3/4	3,443.06
8	238.36	8	595.65	8	952.77	8	1,309.73	8	1,667.04	8	2,024.34	8	2,381.64	8	2,738.55	8	3,095.36	8	3,450.23
1/4	245.80	1/4	603.10	1/4	960.20	1/4	1,317.18	1/4	1,674.48	1/4	2,031.78	1/4	2,389.09	1/4	2,745.99	1/4	3,102.79	1/4	3,456.91
1/2	253.25	1/2	610.54	1/2	967.63	1/2	1,324.62	1/2	1,681.92	1/2	2,039.23	1/2	2,396.53	1/2	2,753.42	1/2	3,110.23	1/2	3,463.60
3/4	260.69	3/4	617.98	3/4	975.06	3/4	1,332.07	3/4	1,689.37	3/4	2,046.67	3/4	2,403.97	3/4	2,760.85	3/4	3,117.66	3/4	3,470.29
9	268.13	9	625.43	9	982.49	9	1,339.51	9	1,696.81	9	2,054.11	9	2,411.42	9	2,768.29	9	3,125.09	9	3,476.97
1/4	275.58	1/4	632.87	1/4	989.92	1/4	1,346.95	1/4	1,704.26	1/4	2,061.56	1/4	2,418.86	1/4	2,775.72	1/4	3,132.53	1/4	3,483.18
1/2	283.02	1/2	640.31	1/2	997.35	1/2	1,354.40	1/2	1,711.70	1/2	2,069.00	1/2	2,426.30	1/2	2,783.15	1/2	3,139.96	1/2	3,489.39
3/4	290.46	3/4	647.76	3/4	1,004.77	3/4	1,361.84	3/4	1,719.14	3/4	2,076.45	3/4	2,433.75	3/4	2,790.59	3/4	3,147.39	3/4	3,495.60
10	297.91	10	655.20	10	1,012.20	10	1,369.29	10	1,726.59	10	2,083.89	10	2,441.19	10	2,798.02	10	3,154.83	10	3,501.81
1/4	305.35	1/4	662.64	1/4	1,019.63	1/4	1,376.73	1/4	1,734.03	1/4	2,091.33	1/4	2,448.63	1/4	2,805.45	1/4	3,162.26	1/4	3,507.54
1/2	312.80	1/2	670.09	1/2	1,027.06	1/2	1,384.17	1/2	1,741.48	1/2	2,098.78	1/2	2,456.06	1/2	2,812.89	1/2	3,169.70	1/2	3,513.27
3/4	320.24	3/4	677.53	3/4	1,034.49	3/4	1,391.62	3/4	1,748.92	3/4	2,106.22	3/4	2,463.50	3/4	2,820.32	3/4	3,177.13	3/4	3,519.00
11	327.68	11	684.98	11	1,041.92	11	1,399.06	11	1,756.36	11	2,113.67	11	2,470.93	11	2,827.75	11	3,184.56	11	3,524.72
1/4	335.13	1/4	692.42	1/4	1,049.35	1/4	1,406.50	1/4	1,763.81	1/4	2,121.11	1/4	2,478.36	1/4	2,835.19	1/4	3,192.00	1/4	3,529.98
1/2	342.57	1/2	699.86	1/2	1,056.78	1/2	1,413.95	1/2	1,771.25	1/2	2,128.55	1/2	2,485.80	1/2	2,842.62	1/2	3,199.43	1/2	3,535.23
3/4	350.01	3/4	707.31	3/4	1,064.21	3/4	1,421.39	3/4	1,778.69	3/4	2,136.00	3/4	2,493.23	3/4	2,850.05	3/4	3,206.86	3/4	3,540.48

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD

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

BARGE "E2MS 312"

3 STBD

INNAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,545.73	0	3,766.04	0	3,984.99	0	4,203.74	0	4,421.38	0		0		0		0		0	
1/4	3,550.54	1/4	3,770.61	1/4	3,989.55	1/4	4,208.30	1/4	4,425.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,555.35	1/2	3,775.18	1/2	3,994.11	1/2	4,212.86	1/2	4,430.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,560.16	3/4	3,779.75	3/4	3,998.66	3/4	4,217.41	3/4	4,434.79	3/4		3/4		3/4		3/4		3/4	
1	3,564.96	1	3,784.32	1	4,003.22	1	4,221.97	1	4,439.26	1		1		1		1		1	
1/4	3,569.53	1/4	3,788.89	1/4	4,007.78	1/4	4,226.53	1/4	4,443.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,574.10	1/2	3,793.46	1/2	4,012.34	1/2	4,231.09	1/2	4,447.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,578.67	3/4	3,798.03	3/4	4,016.89	3/4	4,235.64	3/4	4,451.09	3/4		3/4		3/4		3/4		3/4	
2	3,583.24	2	3,802.60	2	4,021.45	2	4,240.20	2	4,455.03	2		2		2		2		2	
1/4	3,587.81	1/4	3,807.17	1/4	4,026.01	1/4	4,244.76	1/4	4,458.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,592.38	1/2	3,811.74	1/2	4,030.57	1/2	4,249.32	1/2	4,461.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,596.95	3/4	3,816.31	3/4	4,035.12	3/4	4,253.87	3/4	4,464.57	3/4		3/4		3/4		3/4		3/4	
3	3,601.52	3	3,820.88	3	4,039.68	3	4,258.43	3	4,467.75	3		3		3		3		3	
1/4	3,606.09	1/4	3,825.45	1/4	4,044.24	1/4	4,262.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,610.66	1/2	3,830.02	1/2	4,048.79	1/2	4,267.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,615.23	3/4	3,834.59	3/4	4,053.35	3/4	4,272.10	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,619.80	4	3,839.16	4	4,057.91	4	4,276.66	4		4		4		4		4		4	
1/4	3,624.37	1/4	3,843.72	1/4	4,062.47	1/4	4,281.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,628.94	1/2	3,848.27	1/2	4,067.02	1/2	4,285.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,633.51	3/4	3,852.83	3/4	4,071.58	3/4	4,290.33	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,638.08	5	3,857.39	5	4,076.14	5	4,294.89	5		5		5		5		5		5	
1/4	3,642.65	1/4	3,861.95	1/4	4,080.70	1/4	4,299.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,647.22	1/2	3,866.50	1/2	4,085.25	1/2	4,304.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,651.79	3/4	3,871.06	3/4	4,089.81	3/4	4,308.56	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,656.36	6	3,875.62	6	4,094.37	6	4,313.12	6		6		6		6		6		6	
1/4	3,660.93	1/4	3,880.17	1/4	4,098.92	1/4	4,317.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,665.50	1/2	3,884.73	1/2	4,103.48	1/2	4,322.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,670.07	3/4	3,889.29	3/4	4,108.04	3/4	4,326.65	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,674.64	7	3,893.85	7	4,112.60	7	4,331.17	7		7		7		7		7		7	
1/4	3,679.21	1/4	3,898.40	1/4	4,117.15	1/4	4,335.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,683.78	1/2	3,902.96	1/2	4,121.71	1/2	4,340.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,688.35	3/4	3,907.52	3/4	4,126.27	3/4	4,344.70	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,692.92	8	3,912.08	8	4,130.83	8	4,349.21	8		8		8		8		8		8	
1/4	3,697.49	1/4	3,916.63	1/4	4,135.38	1/4	4,353.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,702.06	1/2	3,921.19	1/2	4,139.94	1/2	4,358.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,706.63	3/4	3,925.75	3/4	4,144.50	3/4	4,362.75	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,711.20	9	3,930.30	9	4,149.06	9	4,367.26	9		9		9		9		9		9	
1/4	3,715.77	1/4	3,934.86	1/4	4,153.61	1/4	4,371.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,720.34	1/2	3,939.42	1/2	4,158.17	1/2	4,376.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,724.91	3/4	3,943.98	3/4	4,162.73	3/4	4,380.80	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,729.48	10	3,948.53	10	4,167.28	10	4,385.31	10		10		10		10		10		10	
1/4	3,734.05	1/4	3,953.09	1/4	4,171.84	1/4	4,389.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,738.62	1/2	3,957.65	1/2	4,176.40	1/2	4,394.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.19	3/4	3,962.21	3/4	4,180.96	3/4	4,398.85	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,747.76	11	3,966.76	11	4,185.51	11	4,403.36	11		11		11		11		11		11	
1/4	3,752.33	1/4	3,971.32	1/4	4,190.07	1/4	4,407.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,756.90	1/2	3,975.88	1/2	4,194.63	1/2	4,412.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,761.47	3/4	3,980.44	3/4	4,199.19	3/4	4,416.88	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2018 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

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

BARGE "E2MS 312"

FUEL TANK
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	100	0	257	0	412	0		0		0		0		0		0	
1/4	1	1/4	103	1/4	260	1/4	415	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	106	1/2	263	1/2	417	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	109	3/4	267	3/4	420	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	112	1	270	1	423	1		1		1		1		1		1	
1/4	4	1/4	115	1/4	273	1/4	426	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	277	1/2	429	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	280	3/4	431	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	284	2	434	2		2		2		2		2		2	
1/4	9	1/4	128	1/4	287	1/4	437	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	131	1/2	290	1/2	440	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	134	3/4	294	3/4	442	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	137	3	297	3	445	3		3		3		3		3		3	
1/4	15	1/4	140	1/4	300	1/4	447	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	304	1/2	450	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	147	3/4	307	3/4	452	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	150	4	311	4	455	4		4		4		4		4		4	
1/4	22	1/4	153	1/4	314	1/4	457	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	156	1/2	317	1/2	460	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	160	3/4	320	3/4	462	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	163	5	324	5	465	5		5		5		5		5		5	
1/4	31	1/4	166	1/4	327	1/4	467	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	169	1/2	330	1/2	469	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	173	3/4	334	3/4	471	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	176	6	337	6	474	6		6		6		6		6		6	
1/4	39	1/4	179	1/4	340	1/4	476	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	183	1/2	343	1/2	478	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	186	3/4	347	3/4	480	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	189	7	350	7	482	7		7		7		7		7		7	
1/4	49	1/4	192	1/4	353	1/4	484	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	196	1/2	356	1/2	486	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	199	3/4	360	3/4	488	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	202	8	363	8	489	8		8		8		8		8		8	
1/4	59	1/4	206	1/4	366	1/4	491	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	209	1/2	369	1/2	493	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	213	3/4	372	3/4	494	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	216	9	375	9	496	9		9		9		9		9		9	
1/4	69	1/4	219	1/4	379	1/4	497	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	223	1/2	382	1/2	499	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	226	3/4	385	3/4	500	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	229	10	388	10	502	10		10		10		10		10		10	
1/4	80	1/4	233	1/4	391	1/4	502	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	83	1/2	236	1/2	394	1/2	502	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	86	3/4	240	3/4	397	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	243	11	400	11	502	11		11		11		11		11		11	
1/4	92	1/4	246	1/4	403	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	250	1/2	406	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	253	3/4	409	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

STRAPPED: 12/21/2018 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "E2MS 312"

SLOP TANK
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	433	0	1,021	0	1,641	0	2,206	0		0		0		0		0	
1/4	5	1/4	444	1/4	1,034	1/4	1,653	1/4	2,216	1/4		1/4		1/4		1/4		1/4	
1/2	11	1/2	456	1/2	1,047	1/2	1,666	1/2	2,227	1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	467	3/4	1,060	3/4	1,678	3/4	2,237	3/4		3/4		3/4		3/4		3/4	
1	21	1	479	1	1,073	1	1,691	1	2,247	1		1		1		1		1	
1/4	28	1/4	490	1/4	1,086	1/4	1,703	1/4	2,257	1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	502	1/2	1,099	1/2	1,716	1/2	2,267	1/2		1/2		1/2		1/2		1/2	
3/4	41	3/4	513	3/4	1,111	3/4	1,729	3/4	2,277	3/4		3/4		3/4		3/4		3/4	
2	48	2	525	2	1,124	2	1,741	2	2,287	2		2		2		2		2	
1/4	56	1/4	537	1/4	1,137	1/4	1,753	1/4	2,297	1/4		1/4		1/4		1/4		1/4	
1/2	63	1/2	549	1/2	1,150	1/2	1,766	1/2	2,306	1/2		1/2		1/2		1/2		1/2	
3/4	71	3/4	560	3/4	1,163	3/4	1,778	3/4	2,316	3/4		3/4		3/4		3/4		3/4	
3	78	3	572	3	1,176	3	1,791	3	2,326	3		3		3		3		3	
1/4	86	1/4	584	1/4	1,189	1/4	1,803	1/4	2,335	1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	596	1/2	1,202	1/2	1,815	1/2	2,344	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	608	3/4	1,215	3/4	1,827	3/4	2,353	3/4		3/4		3/4		3/4		3/4	
4	111	4	620	4	1,228	4	1,840	4	2,362	4		4		4		4		4	
1/4	120	1/4	632	1/4	1,241	1/4	1,852	1/4	2,371	1/4		1/4		1/4		1/4		1/4	
1/2	128	1/2	644	1/2	1,254	1/2	1,864	1/2	2,380	1/2		1/2		1/2		1/2		1/2	
3/4	137	3/4	656	3/4	1,267	3/4	1,876	3/4	2,389	3/4		3/4		3/4		3/4		3/4	
5	146	5	669	5	1,280	5	1,888	5	2,397	5		5		5		5		5	
1/4	155	1/4	681	1/4	1,293	1/4	1,900	1/4	2,406	1/4		1/4		1/4		1/4		1/4	
1/2	164	1/2	693	1/2	1,306	1/2	1,912	1/2	2,414	1/2		1/2		1/2		1/2		1/2	
3/4	173	3/4	705	3/4	1,319	3/4	1,924	3/4	2,422	3/4		3/4		3/4		3/4		3/4	
6	183	6	718	6	1,332	6	1,936	6	2,430	6		6		6		6		6	
1/4	192	1/4	730	1/4	1,345	1/4	1,948	1/4	2,438	1/4		1/4		1/4		1/4		1/4	
1/2	202	1/2	742	1/2	1,358	1/2	1,960	1/2	2,445	1/2		1/2		1/2		1/2		1/2	
3/4	211	3/4	755	3/4	1,371	3/4	1,971	3/4	2,453	3/4		3/4		3/4		3/4		3/4	
7	221	7	767	7	1,384	7	1,983	7	2,460	7		7		7		7		7	
1/4	231	1/4	780	1/4	1,397	1/4	1,995	1/4	2,467	1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	792	1/2	1,410	1/2	2,006	1/2	2,473	1/2		1/2		1/2		1/2		1/2	
3/4	251	3/4	805	3/4	1,423	3/4	2,018	3/4	2,480	3/4		3/4		3/4		3/4		3/4	
8	261	8	817	8	1,436	8	2,030	8	2,487	8		8		8		8		8	
1/4	271	1/4	830	1/4	1,449	1/4	2,041	1/4	2,492	1/4		1/4		1/4		1/4		1/4	
1/2	282	1/2	843	1/2	1,461	1/2	2,052	1/2	2,498	1/2		1/2		1/2		1/2		1/2	
3/4	292	3/4	855	3/4	1,474	3/4	2,064	3/4	2,503	3/4		3/4		3/4		3/4		3/4	
9	302	9	868	9	1,487	9	2,075	9	2,508	9		9		9		9		9	
1/4	313	1/4	880	1/4	1,500	1/4	2,086	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	324	1/2	893	1/2	1,513	1/2	2,098	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	334	3/4	906	3/4	1,526	3/4	2,109	3/4		3/4		3/4		3/4		3/4		3/4	
10	345	10	919	10	1,539	10	2,120	10		10		10		10		10		10	
1/4	356	1/4	931	1/4	1,551	1/4	2,131	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	367	1/2	944	1/2	1,564	1/2	2,142	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	378	3/4	957	3/4	1,577	3/4	2,153	3/4		3/4		3/4		3/4		3/4		3/4	
11	388	11	970	11	1,590	11	2,163	11		11		11		11		11		11	
1/4	400	1/4	983	1/4	1,602	1/4	2,174	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	411	1/2	995	1/2	1,615	1/2	2,185	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	422	3/4	1,008	3/4	1,628	3/4	2,195	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 1/2" DIAMETER STANDPIPE

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