

# BARGE "E2MS 305"

INNAGE (HERMETIC OR 8" HATCH)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/8
1 STBD	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/8
2 PORT	00-0/8	-00-0/8	00-0/8	-00-0/8	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/8
2 STBD	00-0/8	-00-0/8	00-0/8	-00-0/8	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/8
3 PORT	-00-5/8	00-5/8	-01-3/8	01-3/8	-02-0/8	02-0/8	-02-3/4	02-3/4	-03-3/8	03-3/8	-04-1/8	04-1/8
3 STBD	-00-5/8	00-5/8	-01-3/8	01-3/8	-02-0/8	02-0/8	-02-3/4	02-3/4	-03-3/8	03-3/8	-04-1/8	04-1/8

(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'-06"

July 29, 2014

PRECISION MEASUREMENT

& ANALYSIS, INC.

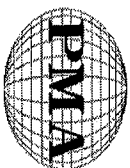
P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>







BARGE "E2MS 305"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

Table with columns for IN (0 FT. to 9 FT.) and rows for various measurements (e.g., 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34). Each cell contains numerical values representing capacity or innage.

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.

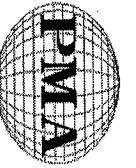
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 8 INCH HATCH OR TOP LIP OF 2" HERMETIC VALVE. GAUGE POINT: (8 INCH HATCH OR HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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

Signature of a person, likely a representative of Precision Measurement & Analysis, Inc.







BARGE "E2MS 305"

2 PORT  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

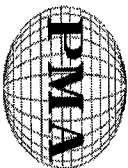
GAUGE HEIGHT 15'-02 3/4"

Table with 20 columns (10 FT. to 19 FT.) and multiple rows of capacity data. Each cell contains a value and a fraction (e.g., 1/4, 1/2, 3/4).

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2014 SW  
CALCULATED: 07/29/2014 CI  
PRINTED: 07/30/2014 SW  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/20/14

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# BARGE "E2MS 305"

# 2 STBD INNAGE TABLE

IN	CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS				GAUGE HEIGHT 15'-02" 1/4"					
	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	25.55	369.06	722.39	1,080.96	1,439.92	1,798.92	2,157.91	2,516.91	2,875.91	3,234.76
1/4	30.69	376.54	729.87	1,088.43	1,447.40	1,806.40	2,165.39	2,524.39	2,883.39	3,242.24
1/2	35.83	384.02	737.35	1,096.91	1,454.88	1,813.88	2,172.87	2,531.87	2,890.87	3,249.71
3/4	40.98	391.50	744.83	1,103.38	1,462.36	1,821.36	2,179.85	2,539.35	2,898.35	3,257.19
1	47.75	398.98	752.31	1,110.85	1,469.84	1,828.83	2,187.83	2,546.83	2,905.82	3,264.66
1/4	54.53	406.46	759.78	1,118.33	1,477.31	1,836.31	2,195.31	2,554.31	2,913.31	3,272.14
1/2	61.31	413.94	767.25	1,125.82	1,484.80	1,843.79	2,202.79	2,561.79	2,920.78	3,279.61
3/4	68.09	421.42	774.74	1,133.28	1,492.27	1,851.27	2,210.27	2,569.26	2,928.26	3,287.09
2	75.57	428.89	782.22	1,140.76	1,499.75	1,858.75	2,217.75	2,576.74	2,935.74	3,294.56
1/4	82.94	436.37	789.70	1,148.24	1,507.23	1,866.23	2,225.23	2,584.22	2,943.22	3,302.04
1/2	90.12	443.85	797.18	1,155.71	1,514.71	1,873.71	2,232.71	2,591.70	2,950.70	3,309.51
3/4	97.40	451.33	804.66	1,163.19	1,522.19	1,881.19	2,240.19	2,599.18	2,958.18	3,316.99
3	104.67	458.81	812.13	1,170.67	1,529.67	1,888.67	2,247.66	2,606.66	2,965.65	3,324.46
1/4	111.95	466.29	819.61	1,178.15	1,537.15	1,896.15	2,255.14	2,614.14	2,973.13	3,331.94
1/2	119.23	473.77	827.09	1,185.63	1,544.63	1,903.62	2,262.62	2,621.62	2,980.61	3,339.41
3/4	126.50	481.25	834.56	1,193.11	1,552.11	1,911.10	2,270.10	2,629.10	2,988.08	3,346.89
4	133.78	488.73	842.03	1,200.59	1,559.59	1,918.58	2,277.58	2,636.58	2,995.56	3,354.36
1/4	141.06	496.20	849.49	1,208.07	1,567.07	1,926.06	2,285.06	2,644.06	3,003.03	3,361.84
1/2	148.33	503.68	856.96	1,215.55	1,574.54	1,933.54	2,292.54	2,651.53	3,010.51	3,369.31
3/4	155.61	510.96	864.43	1,223.03	1,582.02	1,941.02	2,300.02	2,659.01	3,017.98	3,376.79
5	162.89	518.24	871.89	1,230.51	1,589.50	1,948.50	2,307.50	2,666.49	3,025.46	3,384.25
1/4	170.16	525.51	879.36	1,237.99	1,596.98	1,955.98	2,314.98	2,673.97	3,032.93	3,391.74
1/2	177.44	532.79	886.82	1,245.46	1,604.46	1,963.46	2,322.45	2,681.45	3,040.41	3,399.21
3/4	184.72	540.07	894.29	1,252.94	1,611.94	1,970.94	2,329.93	2,688.93	3,047.88	3,406.69
6	191.99	547.34	901.76	1,260.42	1,619.42	1,978.42	2,337.41	2,696.41	3,055.36	3,414.16
1/4	199.27	554.62	909.22	1,267.90	1,626.90	1,985.90	2,344.89	2,703.89	3,062.84	3,421.64
1/2	206.55	561.90	916.69	1,275.38	1,634.38	1,993.37	2,352.37	2,711.37	3,070.31	3,429.11
3/4	213.82	569.17	924.16	1,282.86	1,641.86	2,000.85	2,359.85	2,718.85	3,077.79	3,436.59
7	221.10	576.45	931.62	1,290.34	1,649.34	2,008.33	2,367.33	2,726.33	3,085.26	3,444.07
1/4	228.38	583.73	939.09	1,297.82	1,656.81	2,015.81	2,374.81	2,733.81	3,092.74	3,451.54
1/2	235.66	591.00	946.55	1,305.30	1,664.29	2,023.29	2,382.29	2,741.28	3,100.21	3,459.02
3/4	242.93	598.28	954.02	1,312.78	1,671.77	2,030.77	2,389.77	2,748.76	3,107.69	3,466.49
8	250.21	605.56	961.49	1,320.26	1,679.25	2,038.25	2,397.25	2,756.24	3,115.16	3,473.97
1/4	257.49	612.83	968.95	1,327.73	1,686.73	2,045.73	2,404.72	2,763.72	3,122.64	3,481.44
1/2	264.76	620.11	976.42	1,335.21	1,694.21	2,053.21	2,412.20	2,771.20	3,130.11	3,488.92
3/4	272.04	627.39	983.89	1,342.69	1,701.69	2,060.69	2,419.68	2,778.68	3,137.59	3,496.39
9	279.32	634.67	991.35	1,350.17	1,709.17	2,068.17	2,427.16	2,786.16	3,145.06	3,503.87
1/4	286.79	641.94	998.82	1,357.65	1,716.65	2,075.64	2,434.64	2,793.64	3,152.54	3,511.34
1/2	294.27	649.22	1,006.28	1,365.13	1,724.13	2,083.12	2,442.12	2,801.12	3,160.01	3,518.82
3/4	301.75	656.50	1,013.75	1,372.61	1,731.61	2,090.60	2,449.60	2,808.60	3,167.49	3,526.29
10	309.23	663.77	1,021.22	1,380.09	1,739.08	2,098.08	2,457.08	2,816.08	3,174.96	3,533.77
1/4	316.71	671.05	1,028.68	1,387.57	1,746.56	2,105.56	2,464.56	2,823.56	3,182.44	3,541.24
1/2	324.19	678.33	1,036.15	1,395.05	1,754.04	2,113.04	2,472.04	2,831.04	3,189.91	3,548.72
3/4	331.67	685.60	1,043.61	1,402.53	1,761.52	2,120.52	2,479.52	2,838.51	3,197.39	3,556.19
11	339.15	692.88	1,051.08	1,410.00	1,769.00	2,128.00	2,486.99	2,846.00	3,204.86	3,563.67
1/4	346.63	700.16	1,058.55	1,417.48	1,776.48	2,135.48	2,494.47	2,853.47	3,212.34	3,571.14
1/2	354.10	707.43	1,066.02	1,424.96	1,783.96	2,142.96	2,501.95	2,860.95	3,219.81	3,578.62
3/4	361.58	714.91	1,073.48	1,432.44	1,791.44	2,150.44	2,509.43	2,868.43	3,227.29	3,586.09

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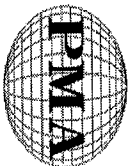
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# BARGE "E2MS 305"

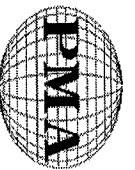
## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 15'-02 1/4"								
IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	3,593.57	3,952.37	4,311.18	4,669.15	5,023.98	5,378.81	5,733.64	6,088.47	6,443.30	6,798.13
1/4	3,601.04	3,959.85	4,318.65	4,676.60	5,030.59	5,384.42	5,738.25	6,092.08	6,445.91	6,800.74
1/2	3,608.52	3,967.32	4,326.13	4,684.06	5,037.21	5,390.94	5,744.77	6,098.60	6,452.43	6,807.26
3/4	3,615.99	3,974.80	4,333.60	4,691.51	5,043.83	5,397.66	5,751.49	6,105.32	6,459.15	6,814.98
1	3,623.47	3,982.27	4,341.08	4,698.95	5,049.37	5,403.20	5,757.03	6,111.86	6,465.68	6,821.51
1 1/4	3,630.94	3,989.75	4,348.55	4,706.39	5,054.92	5,408.75	5,762.57	6,118.40	6,472.22	6,828.05
1 1/2	3,638.42	3,997.22	4,356.03	4,713.84	5,060.47	5,414.30	5,768.11	6,124.94	6,478.76	6,834.59
3/4	3,645.89	4,004.70	4,363.50	4,721.28	5,066.02	5,420.14	5,773.65	6,131.48	6,485.30	6,841.13
2	3,653.37	4,012.17	4,370.97	4,728.69	5,070.50	5,425.98	5,779.19	6,138.02	6,491.81	6,847.67
1 1/4	3,660.84	4,019.65	4,378.44	4,736.11	5,074.98	5,431.82	5,784.73	6,144.56	6,498.33	6,854.21
1 1/2	3,668.32	4,027.12	4,385.91	4,743.52	5,079.46	5,437.66	5,790.27	6,151.10	6,504.85	6,860.75
3/4	3,675.79	4,034.60	4,393.37	4,750.93	5,083.94	5,443.50	5,795.81	6,157.64	6,511.37	6,867.29
3	3,683.27	4,042.07	4,400.83	4,758.35	5,088.42	5,449.34	5,801.35	6,164.18	6,517.89	6,873.83
1 1/4	3,690.74	4,049.55	4,408.28	4,765.76	5,092.90	5,455.18	5,806.89	6,170.72	6,524.41	6,880.37
1 1/2	3,698.22	4,057.02	4,415.73	4,773.18	5,097.38	5,461.02	5,812.43	6,177.26	6,530.93	6,886.91
3/4	3,705.69	4,064.50	4,423.19	4,780.59	5,101.86	5,466.46	5,817.97	6,183.79	6,537.45	6,893.45
4	3,713.17	4,071.97	4,430.64	4,788.00	5,106.34	5,471.90	5,823.51	6,190.31	6,543.97	6,899.99
1 1/4	3,720.64	4,079.45	4,438.09	4,795.42	5,110.82	5,477.34	5,829.05	6,196.84	6,550.49	6,906.53
1 1/2	3,728.12	4,086.92	4,445.55	4,802.83	5,115.30	5,482.78	5,834.59	6,203.37	6,557.01	6,913.07
3/4	3,735.59	4,094.40	4,453.00	4,810.24	5,119.78	5,488.22	5,840.13	6,209.90	6,563.53	6,919.61
5	3,743.07	4,101.87	4,460.45	4,817.65	5,124.26	5,493.66	5,845.67	6,216.42	6,570.05	6,926.15
1 1/4	3,750.54	4,109.35	4,467.91	4,825.07	5,128.74	5,499.10	5,851.21	6,223.06	6,576.57	6,932.69
1 1/2	3,758.02	4,116.82	4,475.36	4,832.48	5,133.22	5,504.54	5,856.75	6,229.59	6,583.09	6,939.23
3/4	3,765.49	4,124.30	4,482.81	4,839.90	5,137.70	5,510.08	5,862.29	6,236.13	6,589.61	6,945.77
6	3,772.97	4,131.77	4,490.27	4,847.31	5,142.18	5,515.52	5,867.83	6,242.66	6,596.13	6,952.31
1 1/4	3,780.44	4,139.25	4,497.72	4,854.73	5,146.66	5,520.96	5,873.37	6,249.20	6,602.65	6,958.85
1 1/2	3,787.92	4,146.72	4,505.17	4,862.14	5,151.14	5,526.40	5,878.91	6,255.74	6,609.17	6,965.39
3/4	3,795.39	4,154.20	4,512.63	4,869.55	5,155.62	5,531.84	5,884.45	6,262.28	6,615.69	6,971.93
7	3,802.87	4,161.67	4,520.08	4,876.97	5,160.10	5,537.28	5,890.00	6,268.82	6,622.21	6,978.47
1 1/4	3,810.35	4,169.15	4,527.53	4,884.38	5,164.58	5,542.72	5,895.54	6,275.36	6,628.73	6,985.01
1 1/2	3,817.82	4,176.62	4,534.99	4,891.80	5,169.06	5,548.16	5,901.08	6,281.90	6,635.25	6,991.55
3/4	3,825.30	4,184.10	4,542.44	4,899.21	5,173.54	5,553.60	5,906.63	6,288.44	6,641.77	6,998.09
8	3,832.77	4,191.58	4,549.89	4,906.63	5,178.02	5,559.04	5,912.17	6,295.08	6,648.29	7,004.63
1 1/4	3,840.25	4,199.05	4,557.35	4,914.05	5,182.50	5,564.48	5,917.71	6,301.62	6,654.81	7,011.17
1 1/2	3,847.72	4,206.53	4,564.80	4,921.46	5,187.08	5,569.92	5,923.25	6,308.16	6,661.33	7,017.71
3/4	3,855.20	4,214.00	4,572.25	4,928.88	5,191.56	5,575.36	5,928.79	6,314.70	6,667.85	7,024.25
9	3,862.67	4,221.48	4,579.71	4,936.30	5,196.04	5,580.80	5,934.33	6,321.24	6,674.37	7,030.79
1 1/4	3,870.15	4,228.95	4,587.16	4,943.72	5,200.52	5,586.24	5,939.87	6,327.78	6,680.89	7,037.33
1 1/2	3,877.62	4,236.43	4,594.61	4,951.14	5,205.00	5,591.68	5,945.41	6,334.32	6,687.41	7,043.87
3/4	3,885.10	4,243.90	4,602.07	4,958.55	5,209.48	5,597.12	5,950.95	6,340.86	6,693.93	7,050.41
10	3,892.57	4,251.38	4,609.52	4,965.97	5,213.96	5,602.56	5,956.49	6,347.40	6,700.45	7,056.95
1 1/4	3,900.05	4,258.85	4,616.97	4,973.39	5,218.44	5,608.00	5,962.03	6,353.94	6,707.07	7,063.49
1 1/2	3,907.52	4,266.33	4,624.43	4,980.81	5,222.92	5,613.44	5,967.57	6,360.48	6,713.59	7,070.03
3/4	3,915.00	4,273.80	4,631.88	4,988.22	5,227.40	5,618.88	5,973.11	6,367.02	6,720.11	7,076.57
11	3,922.47	4,281.28	4,639.34	4,995.61	5,231.88	5,624.32	5,978.65	6,373.56	6,726.63	7,083.11
1 1/4	3,929.95	4,288.75	4,646.79	5,002.99	5,236.36	5,629.76	5,984.19	6,380.10	6,733.15	7,089.65
1 1/2	3,937.42	4,296.23	4,654.24	5,010.38	5,240.84	5,635.20	5,989.73	6,386.64	6,739.67	7,096.19
3/4	3,944.90	4,303.70	4,661.70	5,017.76	5,245.32	5,640.64	5,995.27	6,393.18	6,746.19	7,102.73

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2014 SW  
CALCULATED: 07/29/2014 CL  
PRINTED: 07/30/2014 SW  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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



BARGE "E2MS 305"

3 PORT  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 15'-02 3/4"																	
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	26.46	0	367.33	0	718.83	0	1,068.06	0	1,422.00	0	1,778.97	0	2,133.78	0	2,488.63	0	2,845.34	0	3,201.86
1/4	30.59	1/4	374.77	1/4	726.27	1/4	1,075.27	1/4	1,423.44	1/4	1,786.40	1/4	2,141.16	1/4	2,496.07	1/4	2,852.77	1/4	3,209.28
1/2	35.71	1/2	382.21	1/2	733.72	1/2	1,082.47	1/2	1,432.88	1/2	1,793.84	1/2	2,149.53	1/2	2,503.50	1/2	2,859.20	1/2	3,216.71
3/4	40.83	3/4	389.65	3/4	741.16	3/4	1,089.70	3/4	1,444.32	3/4	1,801.28	3/4	2,156.95	3/4	2,510.94	3/4	2,867.63	3/4	3,224.14
1	47.59	1	397.09	1	748.60	1	1,096.92	1	1,451.75	1	1,808.71	1	2,163.28	1	2,518.38	1	2,875.06	1	3,231.56
1 1/4	53.34	1 1/4	404.53	1 1/4	756.04	1 1/4	1,104.14	1 1/4	1,459.19	1 1/4	1,816.15	1 1/4	2,170.65	1 1/4	2,525.81	1 1/4	2,882.91	1 1/4	3,238.98
1 1/2	61.10	1 1/2	411.97	1 1/2	763.48	1 1/2	1,111.35	1 1/2	1,466.63	1 1/2	1,833.59	1 1/2	2,178.03	1 1/2	2,533.25	1 1/2	2,892.49	1 1/2	3,246.40
1 3/4	67.85	1 3/4	419.41	1 3/4	770.92	1 3/4	1,118.57	1 3/4	1,474.06	1 3/4	1,831.02	1 3/4	2,185.03	1 3/4	2,540.69	1 3/4	2,897.34	1 3/4	3,253.82
2	75.30	2	426.85	2	778.36	2	1,125.80	2	1,481.50	2	1,838.46	2	2,192.77	2	2,548.12	2	2,904.77	2	3,261.23
2 1/4	82.55	2 1/4	434.29	2 1/4	785.80	2 1/4	1,133.02	2 1/4	1,488.94	2 1/4	1,845.90	2 1/4	2,200.52	2 1/4	2,555.66	2 1/4	2,912.20	2 1/4	3,268.63
2 1/2	89.80	2 1/2	441.73	2 1/2	793.24	2 1/2	1,140.25	2 1/2	1,496.37	2 1/2	1,853.33	2 1/2	2,207.52	2 1/2	2,563.00	2 1/2	2,919.63	2 1/2	3,276.04
2 3/4	97.05	2 3/4	449.17	2 3/4	800.68	2 3/4	1,147.48	2 3/4	1,503.81	2 3/4	1,860.77	2 3/4	2,214.90	2 3/4	2,570.43	2 3/4	2,927.06	2 3/4	3,283.44
3	104.30	3	456.61	3	808.07	3	1,154.76	3	1,511.25	3	1,868.19	3	2,222.28	3	2,577.87	3	2,934.49	3	3,290.85
3 1/4	111.54	3 1/4	464.05	3 1/4	815.45	3 1/4	1,162.04	3 1/4	1,518.68	3 1/4	1,875.61	3 1/4	2,229.66	3 1/4	2,585.30	3 1/4	2,941.92	3 1/4	3,298.26
3 1/2	118.79	3 1/2	471.49	3 1/2	822.83	3 1/2	1,169.31	3 1/2	1,525.12	3 1/2	1,883.03	3 1/2	2,237.03	3 1/2	2,592.74	3 1/2	2,949.35	3 1/2	3,305.66
3 3/4	126.03	3 3/4	478.93	3 3/4	830.21	3 3/4	1,176.59	3 3/4	1,533.56	3 3/4	1,890.45	3 3/4	2,244.41	3 3/4	2,600.17	3 3/4	2,956.78	3 3/4	3,313.07
4	133.27	4	486.37	4	837.42	4	1,184.03	4	1,540.99	4	1,897.82	4	2,251.81	4	2,607.60	4	2,964.20	4	3,320.47
4 1/4	140.51	4 1/4	493.81	4 1/4	844.63	4 1/4	1,191.47	4 1/4	1,548.43	4 1/4	1,905.20	4 1/4	2,259.21	4 1/4	2,615.03	4 1/4	2,971.63	4 1/4	3,327.88
4 1/2	147.75	4 1/2	501.25	4 1/2	851.83	4 1/2	1,198.90	4 1/2	1,555.87	4 1/2	1,919.94	4 1/2	2,266.61	4 1/2	2,622.46	4 1/2	2,979.06	4 1/2	3,335.28
4 3/4	154.99	4 3/4	508.49	4 3/4	859.04	4 3/4	1,206.34	4 3/4	1,563.30	4 3/4	1,919.94	4 3/4	2,274.01	4 3/4	2,629.89	4 3/4	2,986.48	4 3/4	3,342.69
5	162.23	5	515.63	5	866.25	5	1,213.78	5	1,570.74	5	1,927.32	5	2,281.41	5	2,637.32	5	2,993.91	5	3,350.10
5 1/4	169.47	5 1/4	522.97	5 1/4	873.45	5 1/4	1,221.21	5 1/4	1,578.18	5 1/4	1,934.69	5 1/4	2,288.80	5 1/4	2,644.75	5 1/4	2,999.34	5 1/4	3,357.50
5 1/2	176.71	5 1/2	530.21	5 1/2	880.66	5 1/2	1,228.65	5 1/2	1,585.61	5 1/2	1,942.07	5 1/2	2,296.20	5 1/2	2,652.18	5 1/2	3,008.76	5 1/2	3,364.91
5 3/4	183.95	5 3/4	537.45	5 3/4	887.87	5 3/4	1,236.09	5 3/4	1,593.05	5 3/4	1,949.44	5 3/4	2,303.60	5 3/4	2,659.61	5 3/4	3,016.19	5 3/4	3,372.31
6	191.19	6	544.69	6	895.07	6	1,243.52	6	1,600.49	6	1,956.81	6	2,311.00	6	2,667.04	6	3,023.62	6	3,379.72
6 1/4	198.43	6 1/4	551.92	6 1/4	902.28	6 1/4	1,250.96	6 1/4	1,607.92	6 1/4	1,964.19	6 1/4	2,318.40	6 1/4	2,674.47	6 1/4	3,031.04	6 1/4	3,387.13
6 1/2	205.67	6 1/2	559.16	6 1/2	909.49	6 1/2	1,258.40	6 1/2	1,615.36	6 1/2	1,971.56	6 1/2	2,325.79	6 1/2	2,681.89	6 1/2	3,038.47	6 1/2	3,394.53
6 3/4	212.91	6 3/4	566.40	6 3/4	916.70	6 3/4	1,265.83	6 3/4	1,622.80	6 3/4	1,978.93	6 3/4	2,333.19	6 3/4	2,689.32	6 3/4	3,045.90	6 3/4	3,401.94
7	220.15	7	573.64	7	923.90	7	1,273.27	7	1,630.23	7	1,986.31	7	2,340.59	7	2,696.75	7	3,053.32	7	3,409.34
7 1/4	227.39	7 1/4	580.88	7 1/4	931.11	7 1/4	1,280.71	7 1/4	1,637.67	7 1/4	1,993.68	7 1/4	2,347.99	7 1/4	2,704.18	7 1/4	3,060.75	7 1/4	3,416.75
7 1/2	234.63	7 1/2	588.12	7 1/2	938.32	7 1/2	1,288.14	7 1/2	1,645.11	7 1/2	2,001.06	7 1/2	2,355.39	7 1/2	2,711.61	7 1/2	3,068.18	7 1/2	3,424.16
7 3/4	241.87	7 3/4	595.36	7 3/4	945.52	7 3/4	1,295.58	7 3/4	1,652.54	7 3/4	2,008.43	7 3/4	2,362.79	7 3/4	2,719.04	7 3/4	3,075.60	7 3/4	3,431.56
8	249.11	8	602.60	8	952.73	8	1,303.02	8	1,659.98	8	2,015.80	8	2,370.18	8	2,726.47	8	3,083.03	8	3,438.97
8 1/4	256.34	8 1/4	609.84	8 1/4	959.94	8 1/4	1,310.45	8 1/4	1,667.42	8 1/4	2,023.18	8 1/4	2,377.58	8 1/4	2,733.90	8 1/4	3,090.46	8 1/4	3,446.37
8 1/2	263.58	8 1/2	617.08	8 1/2	967.14	8 1/2	1,317.89	8 1/2	1,674.85	8 1/2	2,030.55	8 1/2	2,384.98	8 1/2	2,741.33	8 1/2	3,097.88	8 1/2	3,453.78
8 3/4	270.82	8 3/4	624.32	8 3/4	974.35	8 3/4	1,325.33	8 3/4	1,682.29	8 3/4	2,037.92	8 3/4	2,392.38	8 3/4	2,748.76	8 3/4	3,105.31	8 3/4	3,461.18
9	278.06	9	631.56	9	981.56	9	1,332.76	9	1,689.73	9	2,045.30	9	2,399.78	9	2,756.19	9	3,112.74	9	3,468.59
9 1/4	285.30	9 1/4	638.80	9 1/4	988.77	9 1/4	1,340.20	9 1/4	1,697.16	9 1/4	2,052.67	9 1/4	2,407.18	9 1/4	2,763.62	9 1/4	3,120.19	9 1/4	3,476.00
9 1/2	292.54	9 1/2	646.04	9 1/2	995.97	9 1/2	1,347.64	9 1/2	1,704.60	9 1/2	2,060.05	9 1/2	2,414.57	9 1/2	2,771.05	9 1/2	3,127.61	9 1/2	3,483.41
9 3/4	300.38	9 3/4	653.28	9 3/4	1,003.18	9 3/4	1,355.07	9 3/4	1,712.04	9 3/4	2,067.42	9 3/4	2,421.97	9 3/4	2,778.48	9 3/4	3,135.02	9 3/4	3,490.82
10	307.62	10	660.52	10	1,010.39	10	1,362.51	10	1,719.47	10	2,074.79	10	2,429.37	10	2,785.90	10	3,142.44	10	3,498.24
10 1/4	315.26	10 1/4	667.75	10 1/4	1,017.59	10 1/4	1,369.95	10 1/4	1,726.91	10 1/4	2,082.17	10 1/4	2,436.77	10 1/4	2,793.33	10 1/4	3,149.87	10 1/4	3,505.65
10 1/2	322.70	10 1/2	674.99	10 1/2	1,024.80	10 1/2	1,377.38	10 1/2	1,734.35	10 1/2	2,089.54	10 1/2	2,444.17	10 1/2	2,800.76	10 1/2	3,157.30	10 1/2	3,513.07
10 3/4	330.14	10 3/4	682.23	10 3/4	1,032.01	10 3/4	1,384.82	10 3/4	1,741.78	10 3/4	2,096.92	10 3/4	2,451.56	10 3/4	2,808.19	10 3/4	3,164.72	10 3/4	3,520.49
11	337.57	11	689.47	11	1,039.22	11	1,392.26	11	1,750.22	11	2,104.29	11	2,458.97	11	2,815.62	11	3,172.15	11	3,527.91
11 1/4	345.01	11 1/4	696.71	11 1/4	1,046.43	11 1/4	1,399.69	11 1/4	1,758.66	11 1/4	2,111.66	11 1/4	2,466.38	11 1/4	2,823.05	11 1/4	3,179.58	11 1/4	3,535.34
11 1/2	352.45	11 1/2	703.95	11 1/2	1,053.64	11 1/2	1,407.13	11 1/2	1,766.99	11 1/2	2,119.04	11 1/2	2,473.79	11 1/2	2,830.48	11 1/2	3,187.00	11 1/2	3,542.76
11 3/4	359.89	11 3/4	711.39	11 3/4	1,060.84	11 3/4	1,414.57	11 3/4	1,774.53	11 3/4	2,126.41	11 3/4	2,481.20	11 3/4	2,837.91	11 3/4	3,194.43	11 3/4	3,550.19

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.

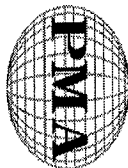
CAPACITY TABLE EXTENDS TO EXTREME GAUGE OF TANK.

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

GAUGE POINT: (8 INCH HATCH OR HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 56'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
http://www.pma.com



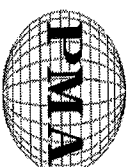
# BARGE "E2MS 305"

3 PORT  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		
	D	IN	D	IN	D	IN	D	IN	D	IN	D	IN	D	IN	D	IN	D	IN	D	IN	
1/4	3,556.49	0	3,703.26	0	3,839.68	0	3,976.55	0	4,108.84	0	4,241.88	0	4,376.55	0	4,511.85	0	4,647.55	0	4,783.55	0	4,919.55
1/4	3,562.78	1/4	3,706.11	1/4	3,842.52	1/4	3,978.37	1/4	4,110.84	1/4	4,245.85	1/4	4,381.55	1/4	4,517.85	1/4	4,654.55	1/4	4,791.55	1/4	4,928.55
1/2	3,569.08	1/2	3,708.58	1/2	3,845.36	1/2	3,981.20	1/2	4,112.85	1/2	4,248.85	1/2	4,384.85	1/2	4,520.85	1/2	4,656.85	1/2	4,792.85	1/2	4,928.85
3/4	3,575.37	3/4	3,714.79	3/4	3,848.21	3/4	3,984.03	3/4	4,118.85	3/4	4,254.85	3/4	4,390.85	3/4	4,526.85	3/4	4,662.85	3/4	4,798.85	3/4	4,934.85
1	3,578.22	1	3,714.63	1	3,851.05	1	3,986.85	1	4,115.79	1	4,251.79	1	4,387.79	1	4,523.79	1	4,659.79	1	4,795.79	1	4,931.79
1/4	3,581.06	1/4	3,717.47	1/4	3,853.89	1/4	3,989.67	1/4	4,116.73	1/4	4,252.73	1/4	4,388.73	1/4	4,524.73	1/4	4,660.73	1/4	4,796.73	1/4	4,932.73
1/2	3,583.90	1/2	3,720.32	1/2	3,856.73	1/2	3,992.49	1/2	4,117.67	1/2	4,253.67	1/2	4,389.67	1/2	4,525.67	1/2	4,661.67	1/2	4,797.67	1/2	4,933.67
3/4	3,586.74	3/4	3,723.16	3/4	3,859.57	3/4	3,995.31	3/4	4,118.61	3/4	4,254.61	3/4	4,390.61	3/4	4,526.61	3/4	4,662.61	3/4	4,798.61	3/4	4,934.61
1	3,589.58	1	3,726.00	1	3,862.41	1	3,998.11	1	4,119.55	1	4,255.55	1	4,391.55	1	4,527.55	1	4,663.55	1	4,799.55	1	4,935.55
1/4	3,592.43	1/4	3,728.84	1/4	3,865.25	1/4	4,000.91	1/4	4,003.71	1/4	4,118.86	1/4	4,256.71	1/4	4,392.71	1/4	4,528.71	1/4	4,664.71	1/4	4,936.71
1/2	3,595.27	1/2	3,731.68	1/2	3,868.09	1/2	4,003.71	1/2	4,118.98	1/2	4,257.66	1/2	4,393.66	1/2	4,529.66	1/2	4,665.66	1/2	4,799.66	1/2	4,937.66
3/4	3,598.11	3/4	3,734.53	3/4	3,870.93	3/4	4,006.51	3/4	4,119.89	3/4	4,258.61	3/4	4,394.61	3/4	4,530.61	3/4	4,666.61	3/4	4,800.61	3/4	4,938.61
1	3,600.95	1	3,737.37	1	3,873.76	1	4,009.31	1	4,120.89	1	4,259.61	1	4,395.61	1	4,531.61	1	4,667.61	1	4,801.61	1	4,939.61
1/4	3,603.79	1/4	3,740.21	1/4	3,876.58	1/4	4,012.11	1/4	4,014.91	1/4	4,118.91	1/4	4,260.91	1/4	4,396.91	1/4	4,668.91	1/4	4,802.91	1/4	4,940.91
1/2	3,606.64	1/2	3,743.05	1/2	3,879.41	1/2	4,014.91	1/2	4,119.89	1/2	4,261.89	1/2	4,397.89	1/2	4,532.89	1/2	4,669.89	1/2	4,803.89	1/2	4,941.89
3/4	3,609.48	3/4	3,745.89	3/4	3,882.24	3/4	4,017.71	3/4	4,120.89	3/4	4,262.89	3/4	4,398.89	3/4	4,533.89	3/4	4,670.89	3/4	4,804.89	3/4	4,942.89
1	3,612.32	1	3,748.74	1	3,885.07	1	4,020.51	1	4,121.89	1	4,263.89	1	4,399.89	1	4,534.89	1	4,671.89	1	4,805.89	1	4,943.89
1/4	3,615.16	1/4	3,751.58	1/4	3,887.89	1/4	4,023.31	1/4	4,122.89	1/4	4,264.89	1/4	4,400.89	1/4	4,535.89	1/4	4,672.89	1/4	4,806.89	1/4	4,944.89
1/2	3,618.00	1/2	3,754.42	1/2	3,890.72	1/2	4,026.11	1/2	4,123.89	1/2	4,265.89	1/2	4,401.89	1/2	4,536.89	1/2	4,673.89	1/2	4,807.89	1/2	4,945.89
3/4	3,620.85	3/4	3,757.26	3/4	3,893.55	3/4	4,028.92	3/4	4,124.89	3/4	4,266.89	3/4	4,402.89	3/4	4,537.89	3/4	4,674.89	3/4	4,808.89	3/4	4,946.89
1	3,623.69	1	3,760.10	1	3,896.38	1	4,031.72	1	4,125.89	1	4,267.89	1	4,403.89	1	4,538.89	1	4,675.89	1	4,809.89	1	4,947.89
1/4	3,626.53	1/4	3,762.95	1/4	3,899.20	1/4	4,034.52	1/4	4,126.89	1/4	4,268.89	1/4	4,404.89	1/4	4,539.89	1/4	4,676.89	1/4	4,810.89	1/4	4,948.89
1/2	3,629.37	1/2	3,765.79	1/2	3,902.03	1/2	4,037.32	1/2	4,127.89	1/2	4,269.89	1/2	4,405.89	1/2	4,540.89	1/2	4,677.89	1/2	4,811.89	1/2	4,949.89
3/4	3,632.21	3/4	3,768.63	3/4	3,904.86	3/4	4,040.12	3/4	4,128.89	3/4	4,270.89	3/4	4,406.89	3/4	4,541.89	3/4	4,678.89	3/4	4,812.89	3/4	4,950.89
1	3,635.06	1	3,771.47	1	3,907.69	1	4,042.92	1	4,129.89	1	4,271.89	1	4,407.89	1	4,542.89	1	4,679.89	1	4,813.89	1	4,951.89
1/4	3,637.90	1/4	3,774.31	1/4	3,910.51	1/4	4,045.72	1/4	4,130.89	1/4	4,272.89	1/4	4,408.89	1/4	4,543.89	1/4	4,680.89	1/4	4,814.89	1/4	4,952.89
1/2	3,640.74	1/2	3,777.16	1/2	3,913.34	1/2	4,048.52	1/2	4,131.89	1/2	4,273.89	1/2	4,409.89	1/2	4,544.89	1/2	4,681.89	1/2	4,815.89	1/2	4,953.89
3/4	3,643.58	3/4	3,780.00	3/4	3,916.17	3/4	4,051.32	3/4	4,132.89	3/4	4,274.89	3/4	4,410.89	3/4	4,545.89	3/4	4,682.89	3/4	4,816.89	3/4	4,954.89
1	3,646.42	1	3,782.84	1	3,919.00	1	4,054.12	1	4,133.89	1	4,275.89	1	4,411.89	1	4,546.89	1	4,683.89	1	4,817.89	1	4,955.89
1/4	3,649.27	1/4	3,785.68	1/4	3,921.82	1/4	4,056.92	1/4	4,134.89	1/4	4,276.89	1/4	4,412.89	1/4	4,547.89	1/4	4,684.89	1/4	4,818.89	1/4	4,956.89
1/2	3,652.11	1/2	3,788.52	1/2	3,924.65	1/2	4,059.72	1/2	4,135.89	1/2	4,277.89	1/2	4,413.89	1/2	4,548.89	1/2	4,685.89	1/2	4,819.89	1/2	4,957.89
3/4	3,654.95	3/4	3,791.37	3/4	3,927.48	3/4	4,062.52	3/4	4,136.89	3/4	4,278.89	3/4	4,414.89	3/4	4,549.89	3/4	4,686.89	3/4	4,820.89	3/4	4,958.89
1	3,657.79	1	3,794.21	1	3,930.31	1	4,065.32	1	4,137.89	1	4,279.89	1	4,415.89	1	4,550.89	1	4,687.89	1	4,821.89	1	4,959.89
1/4	3,660.63	1/4	3,797.05	1/4	3,933.13	1/4	4,068.13	1/4	4,138.89	1/4	4,280.89	1/4	4,416.89	1/4	4,551.89	1/4	4,688.89	1/4	4,822.89	1/4	4,960.89
1/2	3,663.48	1/2	3,799.89	1/2	3,935.96	1/2	4,070.93	1/2	4,139.89	1/2	4,281.89	1/2	4,417.89	1/2	4,552.89	1/2	4,689.89	1/2	4,823.89	1/2	4,961.89
3/4	3,666.32	3/4	3,802.73	3/4	3,938.79	3/4	4,073.73	3/4	4,140.89	3/4	4,282.89	3/4	4,418.89	3/4	4,553.89	3/4	4,690.89	3/4	4,824.89	3/4	4,962.89
1	3,669.16	1	3,805.58	1	3,941.62	1	4,076.53	1	4,141.89	1	4,283.89	1	4,419.89	1	4,554.89	1	4,691.89	1	4,825.89	1	4,963.89
1/4	3,672.00	1/4	3,808.42	1/4	3,944.44	1/4	4,079.34	1/4	4,142.89	1/4	4,284.89	1/4	4,420.89	1/4	4,555.89	1/4	4,692.89	1/4	4,826.89	1/4	4,964.89
1/2	3,674.84	1/2	3,811.26	1/2	3,947.27	1/2	4,082.14	1/2	4,143.89	1/2	4,285.89	1/2	4,421.89	1/2	4,556.89	1/2	4,693.89	1/2	4,827.89	1/2	4,965.89
3/4	3,677.69	3/4	3,814.10	3/4	3,950.10	3/4	4,084.94	3/4	4,144.89	3/4	4,286.89	3/4	4,422.89	3/4	4,557.89	3/4	4,694.89	3/4	4,828.89	3/4	4,966.89
1	3,680.53	1	3,816.94	1	3,952.93	1	4,087.75	1	4,145.89	1	4,287.89	1	4,423.89	1	4,558.89	1	4,695.89	1	4,829.89	1	4,967.89
1/4	3,683.37	1/4	3,819.79	1/4	3,955.75	1/4	4,090.55	1/4	4,146.89	1/4	4,288.89	1/4	4,424.89	1/4	4,559.89	1/4	4,696.89	1/4	4,830.89	1/4	4,968.89
1/2	3,686.21	1/2	3,822.63	1/2	3,958.58	1/2	4,093.35	1/2	4,147.89	1/2	4,289.89	1/2	4,425.89	1/2	4,560.89	1/2	4,697.89	1/2	4,831.89	1/2	4,969.89
3/4	3,689.05	3/4	3,825.47	3/4	3,961.41	3/4	4,096.15	3/4	4,148.89	3/4	4,290.89	3/4	4,426.89	3/4	4,561.89	3/4	4,698.89	3/4	4,832.89	3/4	4,970.89
1	3,691.90	1	3,828.31	1	3,964.24	1	4,098.95	1	4,149.89	1	4,291.89	1	4,427.89	1	4,562.89	1	4,699.89	1	4,833.89	1	4,971.89
1/4	3,694.74	1/4	3,831.15	1/4	3,967.06	1/4	4,101.75	1/4	4,150.89	1/4	4,292.89	1/4	4,428.89	1/4	4,563.89	1/4	4,700.89	1/4	4,834.89	1/4	4,972.89
1/2	3,697.58	1/2	3,834.00	1/2	3,969.89	1/2	4,104.55	1/2	4,151.89												



BARGE "E2MS 305"

3 STBD  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

Table with 45 columns (0 FT., 1 FT., 2 FT., 3 FT., 4 FT., 5 FT., 6 FT., 7 FT., 8 FT., 9 FT.) and 34 rows (1-34) of capacity data. Each row represents a height and contains values for each gauge. Units are indicated by fractions like 1/4, 1/2, 3/4.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 8 INCH HATCH OR TOP LIP OF 2" HERMETIC VALVE.  
GAUGE POINT: (8 INCH HATCH OR HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 56'-03" FORWARD OF AFT BULKHEAD.

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



**BARGE "E2MS 305"**

**3 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

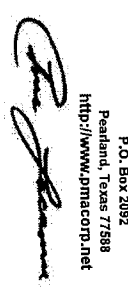
GAUGE HEIGHT 15'-02 3/4"

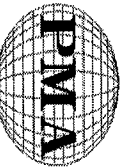
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,578.91	0	3,726.57	0	3,862.07	0	3,997.91	0	4,131.18	0	4,263.75	0	4,395.61	0	4,526.77	0	4,657.23	0	4,787.10
1/4	3,585.21	1/4	3,728.51	1/4	3,864.91	1/4	4,000.74	1/4	4,133.19	1/4	4,264.44	1/4	4,395.59	1/4	4,526.64	1/4	4,657.10	1/4	4,787.10
1/2	3,591.50	1/2	3,731.36	1/2	3,867.75	1/2	4,003.57	1/2	4,135.19	1/2	4,266.15	1/2	4,397.40	1/2	4,528.36	1/2	4,659.01	1/2	4,789.10
3/4	3,597.80	3/4	3,734.20	3/4	3,870.59	3/4	4,006.39	3/4	4,138.21	3/4	4,270.08	3/4	4,401.81	3/4	4,524.44	3/4	4,656.77	3/4	4,789.10
1	3,600.64	1	3,737.04	1	3,873.44	1	4,009.21	1	4,142.03	1	4,274.86	1	4,408.00	1	4,540.53	1	4,672.26	1	4,803.10
1/4	3,603.48	1/4	3,739.88	1/4	3,876.28	1/4	4,012.03	1/4	4,145.85	1/4	4,278.48	1/4	4,415.70	1/4	4,548.23	1/4	4,680.77	1/4	4,811.10
1/2	3,606.33	1/2	3,742.72	1/2	3,881.12	1/2	4,014.85	1/2	4,149.67	1/2	4,282.22	1/2	4,419.55	1/2	4,552.00	1/2	4,684.44	1/2	4,813.10
3/4	3,609.17	3/4	3,745.56	3/4	3,881.96	3/4	4,017.67	3/4	4,153.50	3/4	4,286.08	3/4	4,423.44	3/4	4,555.89	3/4	4,687.88	3/4	4,815.10
1	3,612.01	2	3,748.41	2	3,884.80	2	4,020.47	2	4,156.30	2	4,290.00	2	4,425.83	2	4,558.27	2	4,690.77	2	4,817.10
1/4	3,614.85	1/4	3,751.25	1/4	3,887.63	1/4	4,023.27	1/4	4,159.10	1/4	4,292.72	1/4	4,428.67	1/4	4,560.11	1/4	4,692.22	1/4	4,818.10
1/2	3,617.69	1/2	3,754.09	1/2	3,890.47	1/2	4,026.07	1/2	4,162.92	1/2	4,295.37	1/2	4,431.84	1/2	4,562.27	1/2	4,694.77	1/2	4,819.10
3/4	3,620.53	3/4	3,756.93	3/4	3,893.31	3/4	4,028.87	3/4	4,165.75	3/4	4,298.11	3/4	4,434.70	3/4	4,564.77	3/4	4,696.77	3/4	4,820.10
1	3,623.37	3	3,759.77	3	3,896.14	3	4,031.67	3	4,168.50	3	4,300.88	3	4,437.55	3	4,567.77	3	4,698.77	3	4,821.10
1/4	3,626.22	1/4	3,762.61	1/4	3,898.96	1/4	4,034.47	1/4	4,171.31	1/4	4,303.64	1/4	4,440.50	1/4	4,570.77	1/4	4,700.77	1/4	4,822.10
1/2	3,629.06	1/2	3,765.45	1/2	3,901.79	1/2	4,037.27	1/2	4,174.15	1/2	4,306.48	1/2	4,443.35	1/2	4,573.64	1/2	4,703.64	1/2	4,823.10
3/4	3,631.90	3/4	3,768.30	3/4	3,904.62	3/4	4,040.07	3/4	4,176.99	3/4	4,309.33	3/4	4,446.20	3/4	4,576.50	3/4	4,706.50	3/4	4,824.10
1	3,634.74	4	3,771.14	4	3,907.44	4	4,042.87	4	4,179.71	4	4,312.14	4	4,449.01	4	4,580.00	4	4,710.00	4	4,825.10
1/4	3,637.58	1/4	3,773.98	1/4	3,910.27	1/4	4,045.67	1/4	4,182.51	1/4	4,314.86	1/4	4,451.86	1/4	4,582.85	1/4	4,712.85	1/4	4,826.10
1/2	3,640.42	1/2	3,776.82	1/2	3,913.10	1/2	4,048.47	1/2	4,185.35	1/2	4,317.70	1/2	4,454.71	1/2	4,585.70	1/2	4,715.70	1/2	4,827.10
3/4	3,643.27	3/4	3,779.66	3/4	3,915.93	3/4	4,051.27	3/4	4,188.11	3/4	4,320.56	3/4	4,457.56	3/4	4,588.55	3/4	4,718.55	3/4	4,828.10
1	3,646.11	5	3,782.52	5	3,918.75	5	4,054.07	5	4,190.91	5	4,323.30	5	4,459.99	5	4,590.98	5	4,720.98	5	4,829.10
1/4	3,648.95	1/4	3,785.35	1/4	3,921.58	1/4	4,056.87	1/4	4,193.71	1/4	4,326.14	1/4	4,462.14	1/4	4,593.13	1/4	4,722.13	1/4	4,830.10
1/2	3,651.79	1/2	3,788.19	1/2	3,924.41	1/2	4,059.67	1/2	4,196.55	1/2	4,328.92	1/2	4,464.93	1/2	4,595.92	1/2	4,724.13	1/2	4,831.10
3/4	3,654.63	3/4	3,791.03	3/4	3,927.23	3/4	4,062.47	3/4	4,199.39	3/4	4,331.74	3/4	4,467.74	3/4	4,598.73	3/4	4,726.13	3/4	4,832.10
1	3,657.47	6	3,793.87	6	3,930.06	6	4,065.27	6	4,191.16	6	4,334.58	6	4,470.58	6	4,601.57	6	4,728.13	6	4,833.10
1/4	3,660.32	1/4	3,796.71	1/4	3,932.89	1/4	4,068.07	1/4	4,193.95	1/4	4,337.39	1/4	4,473.39	1/4	4,604.38	1/4	4,729.13	1/4	4,834.10
1/2	3,663.16	1/2	3,799.55	1/2	3,935.72	1/2	4,070.87	1/2	4,196.77	1/2	4,340.20	1/2	4,476.20	1/2	4,607.19	1/2	4,730.13	1/2	4,835.10
3/4	3,666.00	3/4	3,802.40	3/4	3,938.54	3/4	4,073.67	3/4	4,199.57	3/4	4,343.01	3/4	4,479.01	3/4	4,610.00	3/4	4,731.13	3/4	4,836.10
1	3,668.84	7	3,805.24	7	3,941.37	7	4,076.47	7	4,201.36	7	4,345.81	7	4,481.81	7	4,612.80	7	4,732.13	7	4,837.10
1/4	3,671.68	1/4	3,808.08	1/4	3,944.20	1/4	4,079.27	1/4	4,204.15	1/4	4,348.62	1/4	4,484.62	1/4	4,615.61	1/4	4,733.13	1/4	4,838.10
1/2	3,674.52	1/2	3,810.92	1/2	3,947.02	1/2	4,082.07	1/2	4,206.95	1/2	4,351.43	1/2	4,487.43	1/2	4,618.42	1/2	4,734.13	1/2	4,839.10
3/4	3,677.37	3/4	3,813.76	3/4	3,949.86	3/4	4,084.87	3/4	4,209.74	3/4	4,354.24	3/4	4,490.24	3/4	4,621.41	3/4	4,735.13	3/4	4,840.10
1	3,680.21	8	3,816.60	8	3,952.68	8	4,087.67	8	4,212.53	8	4,357.03	8	4,493.03	8	4,624.40	8	4,736.13	8	4,841.10
1/4	3,683.05	1/4	3,819.45	1/4	3,955.51	1/4	4,090.48	1/4	4,215.32	1/4	4,359.84	1/4	4,495.84	1/4	4,627.21	1/4	4,737.13	1/4	4,842.10
1/2	3,685.89	1/2	3,822.29	1/2	3,958.33	1/2	4,093.28	1/2	4,218.11	1/2	4,362.63	1/2	4,498.63	1/2	4,630.00	1/2	4,738.13	1/2	4,843.10
3/4	3,688.73	3/4	3,825.13	3/4	3,961.16	3/4	4,096.08	3/4	4,220.90	3/4	4,365.44	3/4	4,501.44	3/4	4,632.79	3/4	4,739.13	3/4	4,844.10
1	3,691.57	9	3,827.97	9	3,963.99	9	4,098.88	9	4,223.69	9	4,368.24	9	4,504.24	9	4,635.58	9	4,740.13	9	4,845.10
1/4	3,694.41	1/4	3,830.81	1/4	3,966.81	1/4	4,101.69	1/4	4,226.48	1/4	4,371.03	1/4	4,507.03	1/4	4,638.37	1/4	4,741.13	1/4	4,846.10
1/2	3,697.26	1/2	3,833.65	1/2	3,969.64	1/2	4,104.49	1/2	4,229.27	1/2	4,373.82	1/2	4,510.82	1/2	4,641.56	1/2	4,742.13	1/2	4,847.10
3/4	3,700.10	3/4	3,836.49	3/4	3,972.47	3/4	4,107.29	3/4	4,232.06	3/4	4,376.57	3/4	4,513.61	3/4	4,644.35	3/4	4,743.13	3/4	4,848.10
1	3,702.94	10	3,839.34	10	3,975.30	10	4,110.09	10	4,234.88	10	4,379.39	10	4,516.44	10	4,647.13	10	4,744.13	10	4,849.10
1/4	3,705.78	1/4	3,842.18	1/4	3,978.12	1/4	4,112.89	1/4	4,237.68	1/4	4,382.18	1/4	4,519.18	1/4	4,649.92	1/4	4,745.13	1/4	4,850.10
1/2	3,708.62	1/2	3,845.02	1/2	3,980.95	1/2	4,115.70	1/2	4,240.47	1/2	4,384.97	1/2	4,521.67	1/2	4,652.70	1/2	4,746.13	1/2	4,851.10
3/4	3,711.46	3/4	3,847.86	3/4	3,983.78	3/4	4,118.50	3/4	4,243.19	3/4	4,387.68	3/4	4,524.41	3/4	4,655.48	3/4	4,747.13	3/4	4,852.10
1	3,714.31	11	3,850.70	11	3,986.60	11	4,121.17	11	4,245.96	11	4,390.11	11	4,527.21	11	4,658.21	11	4,748.13	11	4,853.10
1/4	3,717.15	1/4	3,853.54	1/4	3,989.43	1/4	4,123.84	1/4	4,248.71	1/4	4,392.80	1/4	4,530.00	1/4	4,661.00	1/4	4,749.13	1/4	4,854.10
1/2	3,719.99	1/2	3,856.39	1/2	3,992.26	1/2	4,126.51	1/2	4,251.43	1/2	4,395.50	1/2	4,532.71	1/2	4,663.79	1/2	4,750.13	1/2	4,855.10
3/4	3,722.83	3/4	3,859.23	3/4	3,995.09	3/4	4,129.18	3/4	4,254.15	3/4	4,398.19	3/4	4,535.00	3/4	4,666.58	3/4	4,751.13	3/4	4,856.10

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.

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CANCELS AND SUPERCEDES ALL PRIOR TO 07/2014





# BARGE "E2MS 305"

## FUEL TANK INNAE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS			GAUGE HEIGHT 6'-10"																
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	2,323	0	4,646	0	6,969	0	9,292	0	11,615	0	13,938	0					
1/4	48	1/4	2,372	1/4	4,695	1/4	7,018	1/4	9,341	1/4	11,664	1/4	13,987	1/4					
1/2	97	1/2	2,420	1/2	4,743	1/2	7,066	1/2	9,389	1/2	11,712	1/2	14,035	1/2					
3/4	145	3/4	2,468	3/4	4,791	3/4	7,115	3/4	9,438	3/4	11,761	3/4	14,084	3/4					
1	194	1	2,517	1	4,840	1	7,153	1	9,486	1	11,809	1	14,132	1					
1 1/4	242	1 1/4	2,565	1 1/4	4,888	1 1/4	7,211	1 1/4	9,534	1 1/4	11,857	1 1/4	14,180	1 1/4					
1 1/2	290	1 1/2	2,614	1 1/2	4,937	1 1/2	7,260	1 1/2	9,583	1 1/2	11,906	1 1/2	14,229	1 1/2					
1 3/4	339	1 3/4	2,662	1 3/4	4,985	1 3/4	7,308	1 3/4	9,631	1 3/4	11,954	1 3/4	14,277	1 3/4					
2	387	2	2,710	2	5,033	2	7,356	2	9,680	2	12,003	2	14,326	2					
2 1/4	436	2 1/4	2,759	2 1/4	5,082	2 1/4	7,405	2 1/4	9,728	2 1/4	12,051	2 1/4		14,375	2 1/4				
2 1/2	484	2 1/2	2,807	2 1/2	5,130	2 1/2	7,453	2 1/2	9,776	2 1/2	12,099	2 1/2			14,424	2 1/2			
2 3/4	532	2 3/4	2,856	2 3/4	5,179	2 3/4	7,502	2 3/4	9,825	2 3/4	12,148	2 3/4				14,473	2 3/4		
3	581	3	2,904	3	5,227	3	7,550	3	9,873	3	12,196	3					14,522	3	
3 1/4	629	3 1/4	2,952	3 1/4	5,275	3 1/4	7,598	3 1/4	9,922	3 1/4	12,245	3 1/4						14,571	3 1/4
3 1/2	678	3 1/2	3,001	3 1/2	5,324	3 1/2	7,647	3 1/2	9,970	3 1/2	12,293	3 1/2							14,620
3 3/4	726	3 3/4	3,049	3 3/4	5,372	3 3/4	7,695	3 3/4	10,018	3 3/4	12,341	3 3/4							
4	775	4	3,098	4	5,421	4	7,744	4	10,067	4	12,390	4							
4 1/4	823	4 1/4	3,146	4 1/4	5,469	4 1/4	7,792	4 1/4	10,115	4 1/4	12,438	4 1/4							
4 1/2	871	4 1/2	3,194	4 1/2	5,517	4 1/2	7,840	4 1/2	10,164	4 1/2	12,487	4 1/2							
4 3/4	920	4 3/4	3,243	4 3/4	5,566	4 3/4	7,889	4 3/4	10,212	4 3/4	12,535	4 3/4							
5	968	5	3,291	5	5,614	5	7,937	5	10,260	5	12,583	5							
5 1/4	1,016	5 1/4	3,340	5 1/4	5,663	5 1/4	7,986	5 1/4	10,309	5 1/4	12,632	5 1/4							
5 1/2	1,065	5 1/2	3,388	5 1/2	5,711	5 1/2	8,034	5 1/2	10,357	5 1/2	12,680	5 1/2							
5 3/4	1,113	5 3/4	3,436	5 3/4	5,759	5 3/4	8,082	5 3/4	10,405	5 3/4	12,729	5 3/4							
6	1,162	6	3,485	6	5,808	6	8,131	6	10,454	6	12,777	6							
6 1/4	1,210	6 1/4	3,533	6 1/4	5,856	6 1/4	8,179	6 1/4	10,502	6 1/4	12,825	6 1/4							
6 1/2	1,258	6 1/2	3,582	6 1/2	5,905	6 1/2	8,228	6 1/2	10,551	6 1/2	12,874	6 1/2							
6 3/4	1,307	6 3/4	3,630	6 3/4	5,953	6 3/4	8,276	6 3/4	10,599	6 3/4	12,922	6 3/4							
7	1,355	7	3,678	7	6,001	7	8,324	7	10,647	7	12,971	7							
7 1/4	1,404	7 1/4	3,727	7 1/4	6,050	7 1/4	8,373	7 1/4	10,696	7 1/4	13,019	7 1/4							
7 1/2	1,452	7 1/2	3,775	7 1/2	6,098	7 1/2	8,421	7 1/2	10,744	7 1/2	13,067	7 1/2							
7 3/4	1,500	7 3/4	3,824	7 3/4	6,147	7 3/4	8,470	7 3/4	10,793	7 3/4	13,116	7 3/4							
8	1,549	8	3,872	8	6,195	8	8,518	8	10,841	8	13,164	8							
8 1/4	1,597	8 1/4	3,920	8 1/4	6,243	8 1/4	8,566	8 1/4	10,889	8 1/4	13,213	8 1/4							
8 1/2	1,646	8 1/2	3,969	8 1/2	6,292	8 1/2	8,615	8 1/2	10,938	8 1/2	13,261	8 1/2							
8 3/4	1,694	8 3/4	4,017	8 3/4	6,340	8 3/4	8,663	8 3/4	10,986	8 3/4	13,309	8 3/4							
9	1,742	9	4,066	9	6,389	9	8,712	9	11,035	9	13,358	9							
9 1/4	1,791	9 1/4	4,114	9 1/4	6,437	9 1/4	8,760	9 1/4	11,083	9 1/4	13,406	9 1/4							
9 1/2	1,839	9 1/2	4,162	9 1/2	6,485	9 1/2	8,808	9 1/2	11,131	9 1/2	13,455	9 1/2							
9 3/4	1,888	9 3/4	4,211	9 3/4	6,534	9 3/4	8,857	9 3/4	11,180	9 3/4	13,503	9 3/4							
10	1,936	10	4,259	10	6,582	10	8,905	10	11,228	10	13,551	10							
10 1/4	1,984	10 1/4	4,307	10 1/4	6,631	10 1/4	8,954	10 1/4	11,277	10 1/4	13,600	10 1/4							
10 1/2	2,033	10 1/2	4,356	10 1/2	6,679	10 1/2	9,002	10 1/2	11,325	10 1/2	13,648	10 1/2							
10 3/4	2,081	10 3/4	4,404	10 3/4	6,727	10 3/4	9,050	10 3/4	11,373	10 3/4	13,696	10 3/4							
11	2,130	11	4,453	11	6,776	11	9,099	11	11,422	11	13,745	11							
11 1/4	2,178	11 1/4	4,501	11 1/4	6,824	11 1/4	9,147	11 1/4	11,470	11 1/4	13,793	11 1/4							
11 1/2	2,226	11 1/2	4,549	11 1/2	6,873	11 1/2	9,196	11 1/2	11,519	11 1/2	13,842	11 1/2							
11 3/4	2,275	11 3/4	4,598	11 3/4	6,921	11 3/4	9,244	11 3/4	11,567	11 3/4	13,890	11 3/4							

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 INNAE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.

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CANCELS AND SUPERCEDS  
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT  
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