



# BARGE "MM 318"

## INNAGE TRIM TABLE HERMETIC

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 4 PORT IS 01-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 4 PORT, THE TRIM CORRECTED INNAGE IS 4'-01 1/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

June 13, 2019

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

<http://www.pmacorp.net>



# BARGE "MM 318"

## INNAGE TRIM TABLE 8" HATCH

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

June 13, 2019

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 & ANALYSIS, INC.  
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 Pearland, Texas 77588

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BARGE "MM 318"

1 PORT  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

Table with 18 columns (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.) and 18 rows of capacity data.

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.  
GAUGE POINT: (MMC - TOP OF THREADS) LOCATED 12'-08" OFF CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.  
GAUGE POINT: (8" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "MM 318"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,407.27	0	2,654.49	0	2,900.86	0	3,147.23	0	3,392.40	0		0		0		0		0	
1/4	2,412.43	1/4	2,659.62	1/4	2,905.99	1/4	3,152.36	1/4	3,397.25	1/4		1/4		1/4		1/4		1/4	
1/2	2,417.58	1/2	2,664.75	1/2	2,911.12	1/2	3,157.49	1/2	3,402.11	1/2		1/2		1/2		1/2		1/2	
3/4	2,422.73	3/4	2,669.89	3/4	2,916.26	3/4	3,162.63	3/4	3,406.96	3/4		3/4		3/4		3/4		3/4	
1	2,427.88	1	2,675.02	1	2,921.39	1	3,167.76	1	3,411.81	1		1		1		1		1	
1/4	2,433.03	1/4	2,680.15	1/4	2,926.52	1/4	3,172.89	1/4	3,416.04	1/4		1/4		1/4		1/4		1/4	
1/2	2,438.18	1/2	2,685.28	1/2	2,931.65	1/2	3,178.02	1/2	3,420.26	1/2		1/2		1/2		1/2		1/2	
3/4	2,443.33	3/4	2,690.42	3/4	2,936.79	3/4	3,183.16	3/4	3,424.48	3/4		3/4		3/4		3/4		3/4	
2	2,448.48	2	2,695.55	2	2,941.92	2	3,188.29	2	3,428.70	2		2		2		2		2	
1/4	2,453.63	1/4	2,700.68	1/4	2,947.05	1/4	3,193.42	1/4	3,432.07	1/4		1/4		1/4		1/4		1/4	
1/2	2,458.78	1/2	2,705.81	1/2	2,952.18	1/2	3,198.55	1/2	3,435.43	1/2		1/2		1/2		1/2		1/2	
3/4	2,463.93	3/4	2,710.95	3/4	2,957.32	3/4	3,203.69	3/4	3,438.80	3/4		3/4		3/4		3/4		3/4	
3	2,469.09	3	2,716.08	3	2,962.45	3	3,208.82	3	3,442.16	3		3		3		3		3	
1/4	2,474.24	1/4	2,721.21	1/4	2,967.58	1/4	3,213.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,479.39	1/2	2,726.35	1/2	2,972.72	1/2	3,219.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,484.54	3/4	2,731.48	3/4	2,977.85	3/4	3,224.22	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,489.69	4	2,736.61	4	2,982.98	4	3,229.35	4		4		4		4		4		4	
1/4	2,494.84	1/4	2,741.74	1/4	2,988.11	1/4	3,234.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,499.99	1/2	2,746.88	1/2	2,993.25	1/2	3,239.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,505.14	3/4	2,752.01	3/4	2,998.38	3/4	3,244.75	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,510.29	5	2,757.14	5	3,003.51	5	3,249.88	5		5		5		5		5		5	
1/4	2,515.44	1/4	2,762.27	1/4	3,008.64	1/4	3,255.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,520.59	1/2	2,767.41	1/2	3,013.78	1/2	3,260.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,525.75	3/4	2,772.54	3/4	3,018.91	3/4	3,265.28	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,530.90	6	2,777.67	6	3,024.04	6	3,270.41	6		6		6		6		6		6	
1/4	2,536.05	1/4	2,782.81	1/4	3,029.17	1/4	3,275.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,541.20	1/2	2,787.94	1/2	3,034.31	1/2	3,280.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,546.35	3/4	2,793.07	3/4	3,039.44	3/4	3,285.74	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,551.50	7	2,798.20	7	3,044.57	7	3,290.84	7		7		7		7		7		7	
1/4	2,556.65	1/4	2,803.34	1/4	3,049.71	1/4	3,295.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,561.80	1/2	2,808.47	1/2	3,054.84	1/2	3,301.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,566.95	3/4	2,813.60	3/4	3,059.97	3/4	3,306.09	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,572.10	8	2,818.73	8	3,065.10	8	3,311.17	8		8		8		8		8		8	
1/4	2,577.25	1/4	2,823.87	1/4	3,070.24	1/4	3,316.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,582.41	1/2	2,829.00	1/2	3,075.37	1/2	3,321.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,587.56	3/4	2,834.13	3/4	3,080.50	3/4	3,326.42	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,592.71	9	2,839.26	9	3,085.63	9	3,331.50	9		9		9		9		9		9	
1/4	2,597.86	1/4	2,844.40	1/4	3,090.77	1/4	3,336.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,603.01	1/2	2,849.53	1/2	3,095.90	1/2	3,341.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,608.16	3/4	2,854.66	3/4	3,101.03	3/4	3,346.74	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,613.31	10	2,859.80	10	3,106.17	10	3,351.82	10		10		10		10		10		10	
1/4	2,618.46	1/4	2,864.93	1/4	3,111.30	1/4	3,356.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,623.61	1/2	2,870.06	1/2	3,116.43	1/2	3,361.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,628.76	3/4	2,875.19	3/4	3,121.56	3/4	3,367.06	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,633.91	11	2,880.33	11	3,126.70	11	3,372.13	11		11		11		11		11		11	
1/4	2,639.06	1/4	2,885.46	1/4	3,131.83	1/4	3,377.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,644.20	1/2	2,890.59	1/2	3,136.96	1/2	3,382.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,649.34	3/4	2,895.72	3/4	3,142.09	3/4	3,387.33	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/13/2019 JS  
CALCULATED: 06/14/2019 CL  
PRINTED: 06/15/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2019

PRECISION MEASUREMENT  
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# BARGE "MM 318"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,409.69	0	2,656.95	0	2,903.36	0	3,149.78	0	3,395.00	0		0		0		0		0	
1/4	2,414.84	1/4	2,662.08	1/4	2,908.50	1/4	3,154.91	1/4	3,399.85	1/4		1/4		1/4		1/4		1/4	
1/2	2,419.99	1/2	2,667.21	1/2	2,913.63	1/2	3,160.05	1/2	3,404.71	1/2		1/2		1/2		1/2		1/2	
3/4	2,425.14	3/4	2,672.35	3/4	2,918.76	3/4	3,165.18	3/4	3,409.56	3/4		3/4		3/4		3/4		3/4	
1	2,430.30	1	2,677.48	1	2,923.90	1	3,170.32	1	3,414.42	1		1		1		1		1	
1/4	2,435.45	1/4	2,682.61	1/4	2,929.03	1/4	3,175.45	1/4	3,418.64	1/4		1/4		1/4		1/4		1/4	
1/2	2,440.60	1/2	2,687.75	1/2	2,934.17	1/2	3,180.58	1/2	3,422.86	1/2		1/2		1/2		1/2		1/2	
3/4	2,445.75	3/4	2,692.88	3/4	2,939.30	3/4	3,185.72	3/4	3,427.09	3/4		3/4		3/4		3/4		3/4	
2	2,450.90	2	2,698.01	2	2,944.43	2	3,190.85	2	3,431.31	2		2		2		2		2	
1/4	2,456.05	1/4	2,703.15	1/4	2,949.57	1/4	3,195.98	1/4	3,434.68	1/4		1/4		1/4		1/4		1/4	
1/2	2,461.21	1/2	2,708.28	1/2	2,954.70	1/2	3,201.12	1/2	3,438.04	1/2		1/2		1/2		1/2		1/2	
3/4	2,466.36	3/4	2,713.42	3/4	2,959.83	3/4	3,206.25	3/4	3,441.41	3/4		3/4		3/4		3/4		3/4	
3	2,471.51	3	2,718.55	3	2,964.97	3	3,211.38	3	3,444.77	3		3		3		3		3	
1/4	2,476.66	1/4	2,723.68	1/4	2,970.10	1/4	3,216.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,481.81	1/2	2,728.82	1/2	2,975.23	1/2	3,221.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,486.97	3/4	2,733.95	3/4	2,980.37	3/4	3,226.79	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,492.12	4	2,739.08	4	2,985.50	4	3,231.92	4		4		4		4		4		4	
1/4	2,497.27	1/4	2,744.22	1/4	2,990.64	1/4	3,237.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,502.42	1/2	2,749.35	1/2	2,995.77	1/2	3,242.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,507.57	3/4	2,754.49	3/4	3,000.90	3/4	3,247.32	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,512.72	5	2,759.62	5	3,006.04	5	3,252.45	5		5		5		5		5		5	
1/4	2,517.88	1/4	2,764.75	1/4	3,011.17	1/4	3,257.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,523.03	1/2	2,769.89	1/2	3,016.30	1/2	3,262.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,528.18	3/4	2,775.02	3/4	3,021.44	3/4	3,267.86	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,533.33	6	2,780.15	6	3,026.57	6	3,272.99	6		6		6		6		6		6	
1/4	2,538.48	1/4	2,785.29	1/4	3,031.71	1/4	3,278.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,543.63	1/2	2,790.42	1/2	3,036.84	1/2	3,283.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,548.79	3/4	2,795.56	3/4	3,041.97	3/4	3,288.31	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,553.94	7	2,800.69	7	3,047.11	7	3,293.42	7		7		7		7		7		7	
1/4	2,559.09	1/4	2,805.82	1/4	3,052.24	1/4	3,298.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,564.24	1/2	2,810.96	1/2	3,057.37	1/2	3,303.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,569.39	3/4	2,816.09	3/4	3,062.51	3/4	3,308.67	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,574.55	8	2,821.22	8	3,067.64	8	3,313.75	8		8		8		8		8		8	
1/4	2,579.70	1/4	2,826.36	1/4	3,072.77	1/4	3,318.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,584.85	1/2	2,831.49	1/2	3,077.91	1/2	3,323.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,590.00	3/4	2,836.62	3/4	3,083.04	3/4	3,329.00	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,595.15	9	2,841.76	9	3,088.18	9	3,334.09	9		9		9		9		9		9	
1/4	2,600.30	1/4	2,846.89	1/4	3,093.31	1/4	3,339.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,605.46	1/2	2,852.03	1/2	3,098.44	1/2	3,344.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,610.61	3/4	2,857.16	3/4	3,103.58	3/4	3,349.33	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,615.76	10	2,862.29	10	3,108.71	10	3,354.41	10		10		10		10		10		10	
1/4	2,620.91	1/4	2,867.43	1/4	3,113.84	1/4	3,359.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,626.06	1/2	2,872.56	1/2	3,118.98	1/2	3,364.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,631.22	3/4	2,877.69	3/4	3,124.11	3/4	3,369.65	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,636.37	11	2,882.83	11	3,129.25	11	3,374.73	11		11		11		11		11		11	
1/4	2,641.51	1/4	2,887.96	1/4	3,134.38	1/4	3,379.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,646.66	1/2	2,893.10	1/2	3,139.51	1/2	3,384.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,651.80	3/4	2,898.23	3/4	3,144.65	3/4	3,389.93	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/13/2019 JS  
CALCULATED: 06/14/2019 CL  
PRINTED: 06/15/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2019

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







# BARGE "MM 318"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	3,023.13	0	3,326.77	0	3,629.60	0	3,932.42	0	4,233.77	0		0		0		0		0	
1/4	3,029.45	1/4	3,333.08	1/4	3,635.91	1/4	3,938.73	1/4	4,239.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,035.78	1/2	3,339.39	1/2	3,642.21	1/2	3,945.04	1/2	4,245.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,042.11	3/4	3,345.70	3/4	3,648.52	3/4	3,951.35	3/4	4,251.67	3/4		3/4		3/4		3/4		3/4	
1	3,048.43	1	3,352.01	1	3,654.83	1	3,957.65	1	4,257.63	1		1		1		1		1	
1/4	3,054.76	1/4	3,358.32	1/4	3,661.14	1/4	3,963.96	1/4	4,262.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,061.09	1/2	3,364.63	1/2	3,667.45	1/2	3,970.27	1/2	4,268.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,067.41	3/4	3,370.94	3/4	3,673.76	3/4	3,976.58	3/4	4,273.21	3/4		3/4		3/4		3/4		3/4	
2	3,073.74	2	3,377.24	2	3,680.07	2	3,982.89	2	4,278.40	2		2		2		2		2	
1/4	3,080.07	1/4	3,383.55	1/4	3,686.38	1/4	3,989.20	1/4	4,282.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,086.40	1/2	3,389.86	1/2	3,692.68	1/2	3,995.51	1/2	4,286.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,092.72	3/4	3,396.17	3/4	3,698.99	3/4	4,001.82	3/4	4,290.81	3/4		3/4		3/4		3/4		3/4	
3	3,099.05	3	3,402.48	3	3,705.30	3	4,008.12	3	4,294.95	3		3		3		3		3	
1/4	3,105.38	1/4	3,408.79	1/4	3,711.61	1/4	4,014.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,111.70	1/2	3,415.10	1/2	3,717.92	1/2	4,020.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,118.03	3/4	3,421.41	3/4	3,724.23	3/4	4,027.05	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,124.36	4	3,427.71	4	3,730.54	4	4,033.36	4		4		4		4		4		4	
1/4	3,130.68	1/4	3,434.02	1/4	3,736.85	1/4	4,039.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,137.01	1/2	3,440.33	1/2	3,743.15	1/2	4,045.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,143.34	3/4	3,446.64	3/4	3,749.46	3/4	4,052.29	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,149.66	5	3,452.95	5	3,755.77	5	4,058.59	5		5		5		5		5		5	
1/4	3,155.99	1/4	3,459.26	1/4	3,762.08	1/4	4,064.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,162.32	1/2	3,465.57	1/2	3,768.39	1/2	4,071.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,168.64	3/4	3,471.88	3/4	3,774.70	3/4	4,077.52	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,174.97	6	3,478.19	6	3,781.01	6	4,083.83	6		6		6		6		6		6	
1/4	3,181.30	1/4	3,484.49	1/4	3,787.32	1/4	4,090.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,187.63	1/2	3,490.80	1/2	3,793.63	1/2	4,096.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,193.95	3/4	3,497.11	3/4	3,799.93	3/4	4,102.66	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,200.28	7	3,503.42	7	3,806.24	7	4,108.94	7		7		7		7		7		7	
1/4	3,206.61	1/4	3,509.73	1/4	3,812.55	1/4	4,115.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,212.93	1/2	3,516.04	1/2	3,818.86	1/2	4,121.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,219.26	3/4	3,522.35	3/4	3,825.17	3/4	4,127.68	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,225.59	8	3,528.66	8	3,831.48	8	4,133.93	8		8		8		8		8		8	
1/4	3,231.91	1/4	3,534.96	1/4	3,837.79	1/4	4,140.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,238.24	1/2	3,541.27	1/2	3,844.10	1/2	4,146.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,244.57	3/4	3,547.58	3/4	3,850.40	3/4	4,152.67	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,250.89	9	3,553.89	9	3,856.71	9	4,158.91	9		9		9		9		9		9	
1/4	3,257.22	1/4	3,560.20	1/4	3,863.02	1/4	4,165.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,263.55	1/2	3,566.51	1/2	3,869.33	1/2	4,171.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,269.88	3/4	3,572.82	3/4	3,875.64	3/4	4,177.65	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,276.20	10	3,579.13	10	3,881.95	10	4,183.90	10		10		10		10		10		10	
1/4	3,282.53	1/4	3,585.43	1/4	3,888.26	1/4	4,190.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,288.86	1/2	3,591.74	1/2	3,894.57	1/2	4,196.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,295.18	3/4	3,598.05	3/4	3,900.87	3/4	4,202.62	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,301.51	11	3,604.36	11	3,907.18	11	4,208.86	11		11		11		11		11		11	
1/4	3,307.83	1/4	3,610.67	1/4	3,913.49	1/4	4,215.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,314.14	1/2	3,616.98	1/2	3,919.80	1/2	4,221.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,320.46	3/4	3,623.29	3/4	3,926.11	3/4	4,227.54	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/13/2019 JS  
CALCULATED: 06/14/2019 CL  
PRINTED: 06/15/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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<http://www.pmacorp.net>





# BARGE "MM 318"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

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	20.89	0	309.99	0	610.78	0	913.66	0	1,216.30	0	1,517.28	0	1,820.83	0	2,124.38	0	2,427.92	0	2,731.47
1/4	25.43	1/4	316.11	1/4	617.11	1/4	919.97	1/4	1,222.48	1/4	1,523.61	1/4	1,827.15	1/4	2,130.70	1/4	2,434.25	1/4	2,737.79
1/2	29.97	1/2	322.24	1/2	623.43	1/2	926.28	1/2	1,228.66	1/2	1,529.93	1/2	1,833.48	1/2	2,137.02	1/2	2,440.57	1/2	2,744.12
3/4	34.52	3/4	328.36	3/4	629.76	3/4	932.59	3/4	1,234.84	3/4	1,536.25	3/4	1,839.80	3/4	2,143.35	3/4	2,446.90	3/4	2,750.44
1	39.06	1	334.49	1	636.08	1	938.90	1	1,241.03	1	1,542.58	1	1,846.12	1	2,149.67	1	2,453.22	1	2,756.77
1/4	44.77	1/4	340.61	1/4	642.41	1/4	945.21	1/4	1,247.21	1/4	1,548.90	1/4	1,852.45	1/4	2,156.00	1/4	2,459.54	1/4	2,763.09
1/2	50.49	1/2	346.74	1/2	648.73	1/2	951.53	1/2	1,253.39	1/2	1,555.23	1/2	1,858.77	1/2	2,162.32	1/2	2,465.87	1/2	2,769.41
3/4	56.20	3/4	352.87	3/4	655.06	3/4	957.85	3/4	1,259.57	3/4	1,561.55	3/4	1,865.10	3/4	2,168.64	3/4	2,472.19	3/4	2,775.74
2	61.91	2	358.99	2	661.38	2	964.17	2	1,265.75	2	1,567.87	2	1,871.42	2	2,174.97	2	2,478.51	2	2,782.06
1/4	68.02	1/4	365.12	1/4	667.71	1/4	970.49	1/4	1,271.93	1/4	1,574.20	1/4	1,877.74	1/4	2,181.29	1/4	2,484.84	1/4	2,788.39
1/2	74.12	1/2	371.24	1/2	674.03	1/2	976.82	1/2	1,278.11	1/2	1,580.52	1/2	1,884.07	1/2	2,187.62	1/2	2,491.16	1/2	2,794.71
3/4	80.22	3/4	377.37	3/4	680.35	3/4	983.14	3/4	1,284.29	3/4	1,586.84	3/4	1,890.39	3/4	2,193.94	3/4	2,497.49	3/4	2,801.03
3	86.33	3	383.49	3	686.68	3	989.47	3	1,290.48	3	1,593.17	3	1,896.72	3	2,200.26	3	2,503.81	3	2,807.36
1/4	92.45	1/4	389.72	1/4	692.99	1/4	995.79	1/4	1,296.66	1/4	1,599.49	1/4	1,903.04	1/4	2,206.59	1/4	2,510.13	1/4	2,813.68
1/2	98.56	1/2	395.94	1/2	699.31	1/2	1,002.12	1/2	1,302.84	1/2	1,605.82	1/2	1,909.36	1/2	2,212.91	1/2	2,516.46	1/2	2,820.01
3/4	104.68	3/4	402.17	3/4	705.62	3/4	1,008.44	3/4	1,309.02	3/4	1,612.14	3/4	1,915.69	3/4	2,219.23	3/4	2,522.78	3/4	2,826.33
4	110.80	4	408.39	4	711.93	4	1,014.76	4	1,315.20	4	1,618.46	4	1,922.01	4	2,225.56	4	2,529.11	4	2,832.65
1/4	116.92	1/4	414.72	1/4	718.24	1/4	1,021.09	1/4	1,321.45	1/4	1,624.79	1/4	1,928.34	1/4	2,231.88	1/4	2,535.43	1/4	2,838.98
1/2	123.05	1/2	421.04	1/2	724.54	1/2	1,027.41	1/2	1,327.71	1/2	1,631.11	1/2	1,934.66	1/2	2,238.21	1/2	2,541.75	1/2	2,845.30
3/4	129.17	3/4	427.37	3/4	730.85	3/4	1,033.74	3/4	1,333.96	3/4	1,637.44	3/4	1,940.98	3/4	2,244.53	3/4	2,548.08	3/4	2,851.62
5	135.29	5	433.69	5	737.15	5	1,040.06	5	1,340.21	5	1,643.76	5	1,947.31	5	2,250.85	5	2,554.40	5	2,857.95
1/4	141.52	1/4	440.02	1/4	743.45	1/4	1,046.39	1/4	1,346.54	1/4	1,650.08	1/4	1,953.63	1/4	2,257.18	1/4	2,560.73	1/4	2,864.27
1/2	147.74	1/2	446.34	1/2	749.76	1/2	1,052.71	1/2	1,352.86	1/2	1,656.41	1/2	1,959.96	1/2	2,263.50	1/2	2,567.05	1/2	2,870.60
3/4	153.97	3/4	452.67	3/4	756.06	3/4	1,059.04	3/4	1,359.18	3/4	1,662.73	3/4	1,966.28	3/4	2,269.83	3/4	2,573.37	3/4	2,876.92
6	160.19	6	458.99	6	762.36	6	1,065.36	6	1,365.51	6	1,669.06	6	1,972.60	6	2,276.15	6	2,579.70	6	2,883.24
1/4	166.52	1/4	465.31	1/4	768.67	1/4	1,071.69	1/4	1,371.83	1/4	1,675.38	1/4	1,978.93	1/4	2,282.47	1/4	2,586.02	1/4	2,889.57
1/2	172.84	1/2	471.64	1/2	774.97	1/2	1,078.01	1/2	1,378.16	1/2	1,681.70	1/2	1,985.25	1/2	2,288.80	1/2	2,592.35	1/2	2,895.89
3/4	179.17	3/4	477.96	3/4	781.27	3/4	1,084.34	3/4	1,384.48	3/4	1,688.03	3/4	1,991.57	3/4	2,295.12	3/4	2,598.67	3/4	2,902.22
7	185.49	7	484.29	7	787.58	7	1,090.66	7	1,390.80	7	1,694.35	7	1,997.90	7	2,301.45	7	2,604.99	7	2,908.54
1/4	191.81	1/4	490.61	1/4	793.88	1/4	1,096.99	1/4	1,397.13	1/4	1,700.68	1/4	2,004.22	1/4	2,307.77	1/4	2,611.32	1/4	2,914.86
1/2	198.14	1/2	496.94	1/2	800.18	1/2	1,103.31	1/2	1,403.45	1/2	1,707.00	1/2	2,010.55	1/2	2,314.09	1/2	2,617.64	1/2	2,921.19
3/4	204.46	3/4	503.26	3/4	806.49	3/4	1,109.64	3/4	1,409.78	3/4	1,713.32	3/4	2,016.87	3/4	2,320.42	3/4	2,623.96	3/4	2,927.51
8	210.79	8	509.59	8	812.79	8	1,115.96	8	1,416.10	8	1,719.65	8	2,023.19	8	2,326.74	8	2,630.29	8	2,933.84
1/4	217.11	1/4	515.91	1/4	819.10	1/4	1,122.29	1/4	1,422.42	1/4	1,725.97	1/4	2,029.52	1/4	2,333.07	1/4	2,636.61	1/4	2,940.16
1/2	223.44	1/2	522.24	1/2	825.40	1/2	1,128.61	1/2	1,428.75	1/2	1,732.29	1/2	2,035.84	1/2	2,339.39	1/2	2,642.94	1/2	2,946.48
3/4	229.76	3/4	528.56	3/4	831.70	3/4	1,134.94	3/4	1,435.07	3/4	1,738.62	3/4	2,042.17	3/4	2,345.71	3/4	2,649.26	3/4	2,952.81
9	236.09	9	534.89	9	838.01	9	1,141.26	9	1,441.40	9	1,744.94	9	2,048.49	9	2,352.04	9	2,655.58	9	2,959.13
1/4	242.31	1/4	541.21	1/4	844.31	1/4	1,147.59	1/4	1,447.72	1/4	1,751.27	1/4	2,054.81	1/4	2,358.36	1/4	2,661.91	1/4	2,965.46
1/2	248.54	1/2	547.54	1/2	850.61	1/2	1,153.91	1/2	1,454.04	1/2	1,757.59	1/2	2,061.14	1/2	2,364.68	1/2	2,668.23	1/2	2,971.78
3/4	254.76	3/4	553.86	3/4	856.92	3/4	1,160.24	3/4	1,460.37	3/4	1,763.91	3/4	2,067.46	3/4	2,371.01	3/4	2,674.56	3/4	2,978.10
10	260.99	10	560.19	10	863.22	10	1,166.56	10	1,466.69	10	1,770.24	10	2,073.79	10	2,377.33	10	2,680.88	10	2,984.43
1/4	267.11	1/4	566.51	1/4	869.52	1/4	1,172.82	1/4	1,473.01	1/4	1,776.56	1/4	2,080.11	1/4	2,383.66	1/4	2,687.20	1/4	2,990.75
1/2	273.24	1/2	572.83	1/2	875.83	1/2	1,179.07	1/2	1,479.34	1/2	1,782.89	1/2	2,086.43	1/2	2,389.98	1/2	2,693.53	1/2	2,997.07
3/4	279.36	3/4	579.16	3/4	882.13	3/4	1,185.32	3/4	1,485.66	3/4	1,789.21	3/4	2,092.76	3/4	2,396.30	3/4	2,699.85	3/4	3,003.40
11	285.49	11	585.48	11	888.44	11	1,191.58	11	1,491.99	11	1,795.53	11	2,099.08	11	2,402.63	11	2,706.18	11	3,009.72
1/4	291.61	1/4	591.81	1/4	894.74	1/4	1,197.76	1/4	1,498.31	1/4	1,801.86	1/4	2,105.40	1/4	2,408.95	1/4	2,712.50	1/4	3,016.05
1/2	297.74	1/2	598.13	1/2	901.05	1/2	1,203.94	1/2	1,504.63	1/2	1,808.18	1/2	2,111.73	1/2	2,415.28	1/2	2,718.82	1/2	3,022.37
3/4	303.86	3/4	604.46	3/4	907.35	3/4	1,210.12	3/4	1,510.96	3/4	1,814.51	3/4	2,118.05	3/4	2,421.60	3/4	2,725.15	3/4	3,028.69

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.  
 GAUGE POINT: (MMC - TOP OF THREADS) LOCATED 12'-08" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.  
 GAUGE POINT: (8" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "MM 318"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

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	3,035.02	0	3,338.55	0	3,641.23	0	3,943.91	0	4,245.12	0		0		0		0		0	
1/4	3,041.34	1/4	3,344.86	1/4	3,647.54	1/4	3,950.22	1/4	4,251.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,047.67	1/2	3,351.16	1/2	3,653.84	1/2	3,956.52	1/2	4,257.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,053.99	3/4	3,357.47	3/4	3,660.15	3/4	3,962.83	3/4	4,263.01	3/4		3/4		3/4		3/4		3/4	
1	3,060.31	1	3,363.78	1	3,666.45	1	3,969.13	1	4,268.98	1		1		1		1		1	
1/4	3,066.64	1/4	3,370.08	1/4	3,672.76	1/4	3,975.44	1/4	4,274.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,072.96	1/2	3,376.39	1/2	3,679.07	1/2	3,981.74	1/2	4,279.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,079.29	3/4	3,382.69	3/4	3,685.37	3/4	3,988.05	3/4	4,284.54	3/4		3/4		3/4		3/4		3/4	
2	3,085.61	2	3,389.00	2	3,691.68	2	3,994.36	2	4,289.73	2		2		2		2		2	
1/4	3,091.93	1/4	3,395.30	1/4	3,697.98	1/4	4,000.66	1/4	4,293.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,098.26	1/2	3,401.61	1/2	3,704.29	1/2	4,006.97	1/2	4,298.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,104.58	3/4	3,407.92	3/4	3,710.59	3/4	4,013.27	3/4	4,302.14	3/4		3/4		3/4		3/4		3/4	
3	3,110.90	3	3,414.22	3	3,716.90	3	4,019.58	3	4,306.27	3		3		3		3		3	
1/4	3,117.23	1/4	3,420.53	1/4	3,723.21	1/4	4,025.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,123.55	1/2	3,426.83	1/2	3,729.51	1/2	4,032.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,129.88	3/4	3,433.14	3/4	3,735.82	3/4	4,038.50	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,136.20	4	3,439.45	4	3,742.12	4	4,044.80	4		4		4		4		4		4	
1/4	3,142.52	1/4	3,445.75	1/4	3,748.43	1/4	4,051.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,148.85	1/2	3,452.06	1/2	3,754.74	1/2	4,057.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,155.17	3/4	3,458.36	3/4	3,761.04	3/4	4,063.72	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,161.50	5	3,464.67	5	3,767.35	5	4,070.03	5		5		5		5		5		5	
1/4	3,167.82	1/4	3,470.97	1/4	3,773.65	1/4	4,076.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,174.14	1/2	3,477.28	1/2	3,779.96	1/2	4,082.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,180.47	3/4	3,483.59	3/4	3,786.26	3/4	4,088.94	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,186.79	6	3,489.89	6	3,792.57	6	4,095.25	6		6		6		6		6		6	
1/4	3,193.12	1/4	3,496.20	1/4	3,798.88	1/4	4,101.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,199.44	1/2	3,502.50	1/2	3,805.18	1/2	4,107.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,205.76	3/4	3,508.81	3/4	3,811.49	3/4	4,114.08	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,212.09	7	3,515.12	7	3,817.79	7	4,120.35	7		7		7		7		7		7	
1/4	3,218.41	1/4	3,521.42	1/4	3,824.10	1/4	4,126.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,224.73	1/2	3,527.73	1/2	3,830.41	1/2	4,132.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,231.06	3/4	3,534.03	3/4	3,836.71	3/4	4,139.09	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,237.38	8	3,540.34	8	3,843.02	8	4,145.33	8		8		8		8		8		8	
1/4	3,243.71	1/4	3,546.64	1/4	3,849.32	1/4	4,151.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,250.03	1/2	3,552.95	1/2	3,855.63	1/2	4,157.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,256.35	3/4	3,559.26	3/4	3,861.93	3/4	4,164.06	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,262.68	9	3,565.56	9	3,868.24	9	4,170.30	9		9		9		9		9		9	
1/4	3,269.00	1/4	3,571.87	1/4	3,874.55	1/4	4,176.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,275.33	1/2	3,578.17	1/2	3,880.85	1/2	4,182.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,281.65	3/4	3,584.48	3/4	3,887.16	3/4	4,189.03	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,287.97	10	3,590.78	10	3,893.46	10	4,195.27	10		10		10		10		10		10	
1/4	3,294.30	1/4	3,597.09	1/4	3,899.77	1/4	4,201.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,300.62	1/2	3,603.40	1/2	3,906.07	1/2	4,207.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,306.95	3/4	3,609.70	3/4	3,912.38	3/4	4,213.99	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,313.27	11	3,616.01	11	3,918.69	11	4,220.22	11		11		11		11		11		11	
1/4	3,319.59	1/4	3,622.31	1/4	3,924.99	1/4	4,226.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,325.91	1/2	3,628.62	1/2	3,931.30	1/2	4,232.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,332.23	3/4	3,634.93	3/4	3,937.60	3/4	4,238.90	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/13/2019 JS  
CALCULATED: 06/14/2019 CL  
PRINTED: 06/15/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2019

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



# BARGE "MM 318"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	20.91	0	310.31	0	611.41	0	905.10	0	1,204.14	0	1,505.43	0	1,809.28	0	2,113.14	0	2,416.99	0	2,720.85
1/4	25.45	1/4	316.44	1/4	617.74	1/4	911.14	1/4	1,210.33	1/4	1,511.76	1/4	1,815.61	1/4	2,119.47	1/4	2,423.32	1/4	2,727.18
1/2	30.00	1/2	322.57	1/2	624.07	1/2	917.18	1/2	1,216.52	1/2	1,518.09	1/2	1,821.94	1/2	2,125.80	1/2	2,429.65	1/2	2,733.51
3/4	34.55	3/4	328.70	3/4	630.40	3/4	923.21	3/4	1,222.70	3/4	1,524.42	3/4	1,828.27	3/4	2,132.13	3/4	2,435.98	3/4	2,739.84
1	39.10	1	334.83	1	636.73	1	929.25	1	1,228.89	1	1,530.75	1	1,834.61	1	2,138.46	1	2,442.31	1	2,746.17
1/4	44.82	1/4	340.96	1/4	643.07	1/4	935.29	1/4	1,235.08	1/4	1,537.08	1/4	1,840.94	1/4	2,144.79	1/4	2,448.64	1/4	2,752.50
1/2	50.54	1/2	347.10	1/2	649.40	1/2	941.34	1/2	1,241.27	1/2	1,543.41	1/2	1,847.27	1/2	2,151.12	1/2	2,454.97	1/2	2,758.83
3/4	56.26	3/4	353.23	3/4	655.73	3/4	947.38	3/4	1,247.46	3/4	1,549.74	3/4	1,853.60	3/4	2,157.45	3/4	2,461.30	3/4	2,765.16
2	61.98	2	359.36	2	662.06	2	953.42	2	1,253.64	2	1,556.07	2	1,859.93	2	2,163.78	2	2,467.64	2	2,771.49
1/4	68.09	1/4	365.49	1/4	668.39	1/4	959.48	1/4	1,259.83	1/4	1,562.40	1/4	1,866.26	1/4	2,170.11	1/4	2,473.97	1/4	2,777.82
1/2	74.20	1/2	371.62	1/2	674.72	1/2	965.53	1/2	1,266.02	1/2	1,568.73	1/2	1,872.59	1/2	2,176.44	1/2	2,480.30	1/2	2,784.15
3/4	80.31	3/4	377.75	3/4	681.05	3/4	971.58	3/4	1,272.21	3/4	1,575.06	3/4	1,878.92	3/4	2,182.77	3/4	2,486.63	3/4	2,790.48
3	86.42	3	383.88	3	687.38	3	977.63	3	1,278.39	3	1,581.39	3	1,885.25	3	2,189.10	3	2,492.96	3	2,796.81
1/4	92.54	1/4	390.12	1/4	693.56	1/4	983.83	1/4	1,284.58	1/4	1,587.72	1/4	1,891.58	1/4	2,195.43	1/4	2,499.29	1/4	2,803.14
1/2	98.67	1/2	396.35	1/2	699.74	1/2	990.02	1/2	1,290.77	1/2	1,594.05	1/2	1,897.91	1/2	2,201.76	1/2	2,505.62	1/2	2,809.47
3/4	104.79	3/4	402.58	3/4	705.92	3/4	996.21	3/4	1,296.96	3/4	1,600.38	3/4	1,904.24	3/4	2,208.09	3/4	2,511.95	3/4	2,815.80
4	110.92	4	408.81	4	712.10	4	1,002.40	4	1,303.14	4	1,606.71	4	1,910.57	4	2,214.42	4	2,518.28	4	2,822.13
1/4	117.05	1/4	415.14	1/4	718.13	1/4	1,008.73	1/4	1,309.40	1/4	1,613.04	1/4	1,916.90	1/4	2,220.75	1/4	2,524.61	1/4	2,828.46
1/2	123.17	1/2	421.47	1/2	724.17	1/2	1,015.06	1/2	1,315.66	1/2	1,619.37	1/2	1,923.23	1/2	2,227.08	1/2	2,530.94	1/2	2,834.79
3/4	129.30	3/4	427.80	3/4	730.20	3/4	1,021.39	3/4	1,321.92	3/4	1,625.71	3/4	1,929.56	3/4	2,233.41	3/4	2,537.27	3/4	2,841.12
5	135.43	5	434.14	5	736.23	5	1,027.73	5	1,328.18	5	1,632.04	5	1,935.89	5	2,239.74	5	2,543.60	5	2,847.45
1/4	141.66	1/4	440.47	1/4	742.26	1/4	1,034.06	1/4	1,334.51	1/4	1,638.37	1/4	1,942.22	1/4	2,246.07	1/4	2,549.93	1/4	2,853.78
1/2	147.89	1/2	446.80	1/2	748.29	1/2	1,040.39	1/2	1,340.84	1/2	1,644.70	1/2	1,948.55	1/2	2,252.40	1/2	2,556.26	1/2	2,860.11
3/4	154.13	3/4	453.13	3/4	754.32	3/4	1,046.72	3/4	1,347.17	3/4	1,651.03	3/4	1,954.88	3/4	2,258.74	3/4	2,562.59	3/4	2,866.44
6	160.36	6	459.46	6	760.35	6	1,053.05	6	1,353.50	6	1,657.36	6	1,961.21	6	2,265.07	6	2,568.92	6	2,872.77
1/4	166.69	1/4	465.79	1/4	766.38	1/4	1,059.38	1/4	1,359.83	1/4	1,663.69	1/4	1,967.54	1/4	2,271.40	1/4	2,575.25	1/4	2,879.10
1/2	173.02	1/2	472.12	1/2	772.41	1/2	1,065.71	1/2	1,366.16	1/2	1,670.02	1/2	1,973.87	1/2	2,277.73	1/2	2,581.58	1/2	2,885.43
3/4	179.35	3/4	478.45	3/4	778.44	3/4	1,072.05	3/4	1,372.49	3/4	1,676.35	3/4	1,980.20	3/4	2,284.06	3/4	2,587.91	3/4	2,891.77
7	185.68	7	484.79	7	784.47	7	1,078.38	7	1,378.82	7	1,682.68	7	1,986.53	7	2,290.39	7	2,594.24	7	2,898.10
1/4	192.01	1/4	491.12	1/4	790.51	1/4	1,084.71	1/4	1,385.15	1/4	1,689.01	1/4	1,992.86	1/4	2,296.72	1/4	2,600.57	1/4	2,904.43
1/2	198.34	1/2	497.45	1/2	796.54	1/2	1,091.04	1/2	1,391.48	1/2	1,695.34	1/2	1,999.19	1/2	2,303.05	1/2	2,606.90	1/2	2,910.76
3/4	204.67	3/4	503.78	3/4	802.57	3/4	1,097.37	3/4	1,397.81	3/4	1,701.67	3/4	2,005.52	3/4	2,309.38	3/4	2,613.23	3/4	2,917.09
8	211.01	8	510.11	8	808.60	8	1,103.70	8	1,404.14	8	1,708.00	8	2,011.85	8	2,315.71	8	2,619.56	8	2,923.42
1/4	217.34	1/4	516.44	1/4	814.63	1/4	1,110.03	1/4	1,410.48	1/4	1,714.33	1/4	2,018.18	1/4	2,322.04	1/4	2,625.89	1/4	2,929.75
1/2	223.67	1/2	522.77	1/2	820.66	1/2	1,116.37	1/2	1,416.81	1/2	1,720.66	1/2	2,024.51	1/2	2,328.37	1/2	2,632.22	1/2	2,936.08
3/4	230.00	3/4	529.10	3/4	826.69	3/4	1,122.70	3/4	1,423.14	3/4	1,726.99	3/4	2,030.84	3/4	2,334.70	3/4	2,638.55	3/4	2,942.41
9	236.33	9	535.44	9	832.72	9	1,129.03	9	1,429.47	9	1,733.32	9	2,037.17	9	2,341.03	9	2,644.88	9	2,948.74
1/4	242.56	1/4	541.77	1/4	838.75	1/4	1,135.36	1/4	1,435.80	1/4	1,739.65	1/4	2,043.51	1/4	2,347.36	1/4	2,651.21	1/4	2,955.07
1/2	248.79	1/2	548.10	1/2	844.78	1/2	1,141.69	1/2	1,442.13	1/2	1,745.98	1/2	2,049.84	1/2	2,353.69	1/2	2,657.54	1/2	2,961.40
3/4	255.02	3/4	554.43	3/4	850.81	3/4	1,148.02	3/4	1,448.46	3/4	1,752.31	3/4	2,056.17	3/4	2,360.02	3/4	2,663.87	3/4	2,967.73
10	261.25	10	560.76	10	856.85	10	1,154.35	10	1,454.79	10	1,758.64	10	2,062.50	10	2,366.35	10	2,670.20	10	2,974.06
1/4	267.39	1/4	567.09	1/4	862.88	1/4	1,160.61	1/4	1,461.12	1/4	1,764.97	1/4	2,068.83	1/4	2,372.68	1/4	2,676.54	1/4	2,980.39
1/2	273.52	1/2	573.42	1/2	868.91	1/2	1,166.87	1/2	1,467.45	1/2	1,771.30	1/2	2,075.16	1/2	2,379.01	1/2	2,682.87	1/2	2,986.72
3/4	279.65	3/4	579.75	3/4	874.94	3/4	1,173.13	3/4	1,473.78	3/4	1,777.63	3/4	2,081.49	3/4	2,385.34	3/4	2,689.20	3/4	2,993.05
11	285.78	11	586.08	11	880.97	11	1,179.39	11	1,480.11	11	1,783.96	11	2,087.82	11	2,391.67	11	2,695.53	11	2,999.38
1/4	291.91	1/4	592.42	1/4	887.00	1/4	1,185.58	1/4	1,486.44	1/4	1,790.29	1/4	2,094.15	1/4	2,398.00	1/4	2,701.86	1/4	3,005.71
1/2	298.04	1/2	598.75	1/2	893.04	1/2	1,191.77	1/2	1,492.77	1/2	1,796.62	1/2	2,100.48	1/2	2,404.33	1/2	2,708.19	1/2	3,012.04
3/4	304.18	3/4	605.08	3/4	899.07	3/4	1,197.95	3/4	1,499.10	3/4	1,802.95	3/4	2,106.81	3/4	2,410.66	3/4	2,714.52	3/4	3,018.37

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.  
 GAUGE POINT: (MMC - TOP OF THREADS) LOCATED 12'-08" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.  
 GAUGE POINT: (8" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 34'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "MM 318"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	3,024.70	0	3,328.55	0	3,631.54	0	3,934.52	0	4,236.05	0		0		0		0		0	
1/4	3,031.03	1/4	3,334.86	1/4	3,637.85	1/4	3,940.83	1/4	4,242.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,037.36	1/2	3,341.18	1/2	3,644.16	1/2	3,947.15	1/2	4,247.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,043.69	3/4	3,347.49	3/4	3,650.47	3/4	3,953.46	3/4	4,253.96	3/4		3/4		3/4		3/4		3/4	
1	3,050.02	1	3,353.80	1	3,656.79	1	3,959.77	1	4,259.93	1		1		1		1		1	
1/4	3,056.35	1/4	3,360.11	1/4	3,663.10	1/4	3,966.08	1/4	4,265.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,062.68	1/2	3,366.42	1/2	3,669.41	1/2	3,972.40	1/2	4,270.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,069.01	3/4	3,372.74	3/4	3,675.72	3/4	3,978.71	3/4	4,275.51	3/4		3/4		3/4		3/4		3/4	
2	3,075.34	2	3,379.05	2	3,682.03	2	3,985.02	2	4,280.71	2		2		2		2		2	
1/4	3,081.67	1/4	3,385.36	1/4	3,688.35	1/4	3,991.33	1/4	4,284.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,088.00	1/2	3,391.67	1/2	3,694.66	1/2	3,997.64	1/2	4,288.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,094.33	3/4	3,397.98	3/4	3,700.97	3/4	4,003.96	3/4	4,293.12	3/4		3/4		3/4		3/4		3/4	
3	3,100.67	3	3,404.30	3	3,707.28	3	4,010.27	3	4,297.26	3		3		3		3		3	
1/4	3,107.00	1/4	3,410.61	1/4	3,713.59	1/4	4,016.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,113.33	1/2	3,416.92	1/2	3,719.91	1/2	4,022.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,119.66	3/4	3,423.23	3/4	3,726.22	3/4	4,029.20	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,125.99	4	3,429.55	4	3,732.53	4	4,035.52	4		4		4		4		4		4	
1/4	3,132.32	1/4	3,435.86	1/4	3,738.84	1/4	4,041.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,138.65	1/2	3,442.17	1/2	3,745.16	1/2	4,048.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,144.98	3/4	3,448.48	3/4	3,751.47	3/4	4,054.45	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,151.31	5	3,454.79	5	3,757.78	5	4,060.77	5		5		5		5		5		5	
1/4	3,157.64	1/4	3,461.11	1/4	3,764.09	1/4	4,067.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,163.97	1/2	3,467.42	1/2	3,770.40	1/2	4,073.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,170.30	3/4	3,473.73	3/4	3,776.72	3/4	4,079.70	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,176.63	6	3,480.04	6	3,783.03	6	4,086.01	6		6		6		6		6		6	
1/4	3,182.96	1/4	3,486.36	1/4	3,789.34	1/4	4,092.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,189.29	1/2	3,492.67	1/2	3,795.65	1/2	4,098.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,195.62	3/4	3,498.98	3/4	3,801.97	3/4	4,104.86	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,201.95	7	3,505.29	7	3,808.28	7	4,111.15	7		7		7		7		7		7	
1/4	3,208.28	1/4	3,511.60	1/4	3,814.59	1/4	4,117.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,214.61	1/2	3,517.92	1/2	3,820.90	1/2	4,123.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,220.94	3/4	3,524.23	3/4	3,827.21	3/4	4,129.90	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,227.27	8	3,530.54	8	3,833.53	8	4,136.15	8		8		8		8		8		8	
1/4	3,233.60	1/4	3,536.85	1/4	3,839.84	1/4	4,142.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,239.93	1/2	3,543.17	1/2	3,846.15	1/2	4,148.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,246.26	3/4	3,549.48	3/4	3,852.46	3/4	4,154.90	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,252.59	9	3,555.79	9	3,858.78	9	4,161.15	9		9		9		9		9		9	
1/4	3,258.92	1/4	3,562.10	1/4	3,865.09	1/4	4,167.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,265.25	1/2	3,568.41	1/2	3,871.40	1/2	4,173.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,271.58	3/4	3,574.73	3/4	3,877.71	3/4	4,179.90	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,277.91	10	3,581.04	10	3,884.02	10	4,186.15	10		10		10		10		10		10	
1/4	3,284.24	1/4	3,587.35	1/4	3,890.34	1/4	4,192.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,290.57	1/2	3,593.66	1/2	3,896.65	1/2	4,198.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,296.90	3/4	3,599.98	3/4	3,902.96	3/4	4,204.88	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,303.23	11	3,606.29	11	3,909.27	11	4,211.13	11		11		11		11		11		11	
1/4	3,309.56	1/4	3,612.60	1/4	3,915.59	1/4	4,217.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,315.89	1/2	3,618.91	1/2	3,921.90	1/2	4,223.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,322.22	3/4	3,625.22	3/4	3,928.21	3/4	4,229.82	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/13/2019 JS  
CALCULATED: 06/14/2019 CL  
PRINTED: 06/15/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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<http://www.pmacorp.net>



# BARGE "MM 318"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	20.90	0	310.22	0	611.23	0	914.33	0	1,217.19	0	1,518.39	0	1,822.16	0	2,125.93	0	2,429.69	0	2,733.46
1/4	25.45	1/4	316.35	1/4	617.56	1/4	920.64	1/4	1,223.38	1/4	1,524.72	1/4	1,828.49	1/4	2,132.26	1/4	2,436.02	1/4	2,739.79
1/2	29.99	1/2	322.48	1/2	623.89	1/2	926.96	1/2	1,229.56	1/2	1,531.05	1/2	1,834.82	1/2	2,138.58	1/2	2,442.35	1/2	2,746.12
3/4	34.54	3/4	328.60	3/4	630.22	3/4	933.27	3/4	1,235.75	3/4	1,537.38	3/4	1,841.14	3/4	2,144.91	3/4	2,448.68	3/4	2,752.45
1	39.09	1	334.73	1	636.55	1	939.58	1	1,241.93	1	1,543.70	1	1,847.47	1	2,151.24	1	2,455.01	1	2,758.78
1/4	44.81	1/4	340.86	1/4	642.88	1/4	945.91	1/4	1,248.12	1/4	1,550.03	1/4	1,853.80	1/4	2,157.57	1/4	2,461.34	1/4	2,765.11
1/2	50.52	1/2	346.99	1/2	649.20	1/2	952.23	1/2	1,254.31	1/2	1,556.36	1/2	1,860.13	1/2	2,163.90	1/2	2,467.67	1/2	2,771.43
3/4	56.24	3/4	353.12	3/4	655.53	3/4	958.55	3/4	1,260.49	3/4	1,562.69	3/4	1,866.46	3/4	2,170.23	3/4	2,473.99	3/4	2,777.76
2	61.96	2	359.25	2	661.86	2	964.87	2	1,266.68	2	1,569.02	2	1,872.79	2	2,176.55	2	2,480.32	2	2,784.09
1/4	68.07	1/4	365.38	1/4	668.19	1/4	971.20	1/4	1,272.86	1/4	1,575.35	1/4	1,879.12	1/4	2,182.88	1/4	2,486.65	1/4	2,790.42
1/2	74.17	1/2	371.51	1/2	674.52	1/2	977.53	1/2	1,279.05	1/2	1,581.68	1/2	1,885.44	1/2	2,189.21	1/2	2,492.98	1/2	2,796.75
3/4	80.28	3/4	377.64	3/4	680.85	3/4	983.86	3/4	1,285.24	3/4	1,588.00	3/4	1,891.77	3/4	2,195.54	3/4	2,499.31	3/4	2,803.08
3	86.39	3	383.77	3	687.18	3	990.19	3	1,291.42	3	1,594.33	3	1,898.10	3	2,201.87	3	2,505.64	3	2,809.40
1/4	92.51	1/4	390.00	1/4	693.50	1/4	996.52	1/4	1,297.61	1/4	1,600.66	1/4	1,904.43	1/4	2,208.20	1/4	2,511.97	1/4	2,815.73
1/2	98.64	1/2	396.23	1/2	699.82	1/2	1,002.85	1/2	1,303.79	1/2	1,606.99	1/2	1,910.76	1/2	2,214.53	1/2	2,518.29	1/2	2,822.06
3/4	104.76	3/4	402.46	3/4	706.14	3/4	1,009.18	3/4	1,309.98	3/4	1,613.32	3/4	1,917.09	3/4	2,220.85	3/4	2,524.62	3/4	2,828.39
4	110.88	4	408.69	4	712.46	4	1,015.51	4	1,316.16	4	1,619.65	4	1,923.41	4	2,227.18	4	2,530.95	4	2,834.72
1/4	117.01	1/4	415.02	1/4	718.76	1/4	1,021.84	1/4	1,322.42	1/4	1,625.98	1/4	1,929.74	1/4	2,233.51	1/4	2,537.28	1/4	2,841.05
1/2	123.14	1/2	421.35	1/2	725.07	1/2	1,028.17	1/2	1,328.68	1/2	1,632.30	1/2	1,936.07	1/2	2,239.84	1/2	2,543.61	1/2	2,847.38
3/4	129.27	3/4	427.68	3/4	731.38	3/4	1,034.50	3/4	1,334.94	3/4	1,638.63	3/4	1,942.40	3/4	2,246.17	3/4	2,549.94	3/4	2,853.70
5	135.39	5	434.01	5	737.69	5	1,040.83	5	1,341.19	5	1,644.96	5	1,948.73	5	2,252.50	5	2,556.26	5	2,860.03
1/4	141.62	1/4	440.34	1/4	744.00	1/4	1,047.16	1/4	1,347.52	1/4	1,651.29	1/4	1,955.06	1/4	2,258.83	1/4	2,562.59	1/4	2,866.36
1/2	147.85	1/2	446.67	1/2	750.30	1/2	1,053.48	1/2	1,353.85	1/2	1,657.62	1/2	1,961.39	1/2	2,265.15	1/2	2,568.92	1/2	2,872.69
3/4	154.08	3/4	453.00	3/4	756.61	3/4	1,059.81	3/4	1,360.18	3/4	1,663.95	3/4	1,967.71	3/4	2,271.48	3/4	2,575.25	3/4	2,879.02
6	160.31	6	459.33	6	762.92	6	1,066.14	6	1,366.51	6	1,670.27	6	1,974.04	6	2,277.81	6	2,581.58	6	2,885.35
1/4	166.64	1/4	465.65	1/4	769.23	1/4	1,072.47	1/4	1,372.84	1/4	1,676.60	1/4	1,980.37	1/4	2,284.14	1/4	2,587.91	1/4	2,891.68
1/2	172.97	1/2	471.98	1/2	775.54	1/2	1,078.80	1/2	1,379.16	1/2	1,682.93	1/2	1,986.70	1/2	2,290.47	1/2	2,594.24	1/2	2,898.00
3/4	179.30	3/4	478.31	3/4	781.85	3/4	1,085.13	3/4	1,385.49	3/4	1,689.26	3/4	1,993.03	3/4	2,296.80	3/4	2,600.56	3/4	2,904.33
7	185.63	7	484.64	7	788.15	7	1,091.46	7	1,391.82	7	1,695.59	7	1,999.36	7	2,303.12	7	2,606.89	7	2,910.66
1/4	191.96	1/4	490.97	1/4	794.46	1/4	1,097.79	1/4	1,398.15	1/4	1,701.92	1/4	2,005.69	1/4	2,309.45	1/4	2,613.22	1/4	2,916.99
1/2	198.28	1/2	497.30	1/2	800.77	1/2	1,104.12	1/2	1,404.48	1/2	1,708.25	1/2	2,012.01	1/2	2,315.78	1/2	2,619.55	1/2	2,923.32
3/4	204.61	3/4	503.63	3/4	807.08	3/4	1,110.45	3/4	1,410.81	3/4	1,714.57	3/4	2,018.34	3/4	2,322.11	3/4	2,625.88	3/4	2,929.65
8	210.94	8	509.96	8	813.39	8	1,116.78	8	1,417.13	8	1,720.90	8	2,024.67	8	2,328.44	8	2,632.21	8	2,935.97
1/4	217.27	1/4	516.29	1/4	819.69	1/4	1,123.11	1/4	1,423.46	1/4	1,727.23	1/4	2,031.00	1/4	2,334.77	1/4	2,638.54	1/4	2,942.30
1/2	223.60	1/2	522.62	1/2	826.00	1/2	1,129.44	1/2	1,429.79	1/2	1,733.56	1/2	2,037.33	1/2	2,341.10	1/2	2,644.86	1/2	2,948.63
3/4	229.93	3/4	528.95	3/4	832.31	3/4	1,135.77	3/4	1,436.12	3/4	1,739.89	3/4	2,043.66	3/4	2,347.42	3/4	2,651.19	3/4	2,954.96
9	236.26	9	535.28	9	838.62	9	1,142.10	9	1,442.45	9	1,746.22	9	2,049.98	9	2,353.75	9	2,657.52	9	2,961.29
1/4	242.49	1/4	541.61	1/4	844.93	1/4	1,148.43	1/4	1,448.78	1/4	1,752.55	1/4	2,056.31	1/4	2,360.08	1/4	2,663.85	1/4	2,967.62
1/2	248.72	1/2	547.94	1/2	851.24	1/2	1,154.76	1/2	1,455.11	1/2	1,758.87	1/2	2,062.64	1/2	2,366.41	1/2	2,670.18	1/2	2,973.95
3/4	254.95	3/4	554.26	3/4	857.54	3/4	1,161.09	3/4	1,461.43	3/4	1,765.20	3/4	2,068.97	3/4	2,372.74	3/4	2,676.51	3/4	2,980.27
10	261.18	10	560.59	10	863.85	10	1,167.42	10	1,467.76	10	1,771.53	10	2,075.30	10	2,379.07	10	2,682.83	10	2,986.60
1/4	267.31	1/4	566.92	1/4	870.16	1/4	1,173.67	1/4	1,474.09	1/4	1,777.86	1/4	2,081.63	1/4	2,385.40	1/4	2,689.16	1/4	2,992.93
1/2	273.44	1/2	573.25	1/2	876.47	1/2	1,179.93	1/2	1,480.42	1/2	1,784.19	1/2	2,087.96	1/2	2,391.72	1/2	2,695.49	1/2	2,999.26
3/4	279.57	3/4	579.58	3/4	882.78	3/4	1,186.19	3/4	1,486.75	3/4	1,790.52	3/4	2,094.28	3/4	2,398.05	3/4	2,701.82	3/4	3,005.59
11	285.70	11	585.91	11	889.08	11	1,192.45	11	1,493.08	11	1,796.84	11	2,100.61	11	2,404.38	11	2,708.15	11	3,011.92
1/4	291.83	1/4	592.24	1/4	895.40	1/4	1,198.63	1/4	1,499.41	1/4	1,803.17	1/4	2,106.94	1/4	2,410.71	1/4	2,714.48	1/4	3,018.25
1/2	297.96	1/2	598.57	1/2	901.71	1/2	1,204.82	1/2	1,505.73	1/2	1,809.50	1/2	2,113.27	1/2	2,417.04	1/2	2,720.81	1/2	3,024.57
3/4	304.09	3/4	604.90	3/4	908.02	3/4	1,211.00	3/4	1,512.06	3/4	1,815.83	3/4	2,119.60	3/4	2,423.37	3/4	2,727.13	3/4	3,030.90

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

GAUGE POINT: (MMC - TOP OF THREADS) LOCATED 12'-08" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 34'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "MM 318"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,037.23	0	3,340.99	0	3,643.89	0	3,946.79	0	4,248.22	0		0		0		0		0	
1/4	3,043.56	1/4	3,347.30	1/4	3,650.20	1/4	3,953.10	1/4	4,254.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,049.89	1/2	3,353.61	1/2	3,656.51	1/2	3,959.41	1/2	4,260.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,056.22	3/4	3,359.93	3/4	3,662.82	3/4	3,965.72	3/4	4,266.13	3/4		3/4		3/4		3/4		3/4	
1	3,062.54	1	3,366.24	1	3,669.13	1	3,972.03	1	4,272.10	1		1		1		1		1	
1/4	3,068.87	1/4	3,372.55	1/4	3,675.45	1/4	3,978.34	1/4	4,277.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,075.20	1/2	3,378.86	1/2	3,681.76	1/2	3,984.65	1/2	4,282.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,081.53	3/4	3,385.17	3/4	3,688.07	3/4	3,990.97	3/4	4,287.68	3/4		3/4		3/4		3/4		3/4	
2	3,087.86	2	3,391.48	2	3,694.38	2	3,997.28	2	4,292.87	2		2		2		2		2	
1/4	3,094.19	1/4	3,397.79	1/4	3,700.69	1/4	4,003.59	1/4	4,297.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,100.52	1/2	3,404.10	1/2	3,707.00	1/2	4,009.90	1/2	4,301.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,106.84	3/4	3,410.41	3/4	3,713.31	3/4	4,016.21	3/4	4,305.28	3/4		3/4		3/4		3/4		3/4	
3	3,113.17	3	3,416.72	3	3,719.62	3	4,022.52	3	4,309.42	3		3		3		3		3	
1/4	3,119.50	1/4	3,423.03	1/4	3,725.93	1/4	4,028.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,125.83	1/2	3,429.34	1/2	3,732.24	1/2	4,035.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,132.16	3/4	3,435.65	3/4	3,738.55	3/4	4,041.45	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,138.49	4	3,441.96	4	3,744.86	4	4,047.76	4		4		4		4		4		4	
1/4	3,144.82	1/4	3,448.27	1/4	3,751.17	1/4	4,054.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,151.14	1/2	3,454.58	1/2	3,757.48	1/2	4,060.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,157.47	3/4	3,460.89	3/4	3,763.79	3/4	4,066.69	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,163.80	5	3,467.20	5	3,770.10	5	4,073.00	5		5		5		5		5		5	
1/4	3,170.13	1/4	3,473.51	1/4	3,776.41	1/4	4,079.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,176.46	1/2	3,479.82	1/2	3,782.72	1/2	4,085.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,182.79	3/4	3,486.13	3/4	3,789.03	3/4	4,091.93	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,189.11	6	3,492.44	6	3,795.34	6	4,098.24	6		6		6		6		6		6	
1/4	3,195.44	1/4	3,498.75	1/4	3,801.65	1/4	4,104.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,201.77	1/2	3,505.06	1/2	3,807.96	1/2	4,110.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,208.10	3/4	3,511.37	3/4	3,814.27	3/4	4,117.09	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,214.43	7	3,517.69	7	3,820.58	7	4,123.37	7		7		7		7		7		7	
1/4	3,220.76	1/4	3,524.00	1/4	3,826.89	1/4	4,129.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,227.09	1/2	3,530.31	1/2	3,833.21	1/2	4,135.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,233.41	3/4	3,536.62	3/4	3,839.52	3/4	4,142.11	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,239.74	8	3,542.93	8	3,845.83	8	4,148.36	8		8		8		8		8		8	
1/4	3,246.07	1/4	3,549.24	1/4	3,852.14	1/4	4,154.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,252.40	1/2	3,555.55	1/2	3,858.45	1/2	4,160.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,258.73	3/4	3,561.86	3/4	3,864.76	3/4	4,167.10	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,265.06	9	3,568.17	9	3,871.07	9	4,173.35	9		9		9		9		9		9	
1/4	3,271.39	1/4	3,574.48	1/4	3,877.38	1/4	4,179.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,277.71	1/2	3,580.79	1/2	3,883.69	1/2	4,185.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,284.04	3/4	3,587.10	3/4	3,890.00	3/4	4,192.09	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,290.37	10	3,593.41	10	3,896.31	10	4,198.34	10		10		10		10		10		10	
1/4	3,296.70	1/4	3,599.72	1/4	3,902.62	1/4	4,204.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,303.03	1/2	3,606.03	1/2	3,908.93	1/2	4,210.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,309.36	3/4	3,612.34	3/4	3,915.24	3/4	4,217.07	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,315.68	11	3,618.65	11	3,921.55	11	4,223.31	11		11		11		11		11		11	
1/4	3,322.01	1/4	3,624.96	1/4	3,927.86	1/4	4,229.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,328.34	1/2	3,631.27	1/2	3,934.17	1/2	4,235.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,334.67	3/4	3,637.58	3/4	3,940.48	3/4	4,242.00	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/13/2019 JS  
CALCULATED: 06/14/2019 CL  
PRINTED: 06/15/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "MM 318"

## 4 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-11 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.	IN	10 FT.
0	4.73	0	165.39	0	381.36	0	594.19	0	809.01	0	1,023.94	0	1,242.12	0	1,460.32	0	1,678.22	0	1,896.13	0	
1/4	6.70	1/4	169.80	1/4	385.91	1/4	598.55	1/4	813.46	1/4	1,028.45	1/4	1,246.67	1/4	1,464.86	1/4	1,682.76	1/4	1,900.66	1/4	
1/2	8.66	1/2	174.22	1/2	390.46	1/2	602.91	1/2	817.90	1/2	1,032.96	1/2	1,251.23	1/2	1,469.40	1/2	1,687.30	1/2	1,905.19	1/2	
3/4	10.62	3/4	178.63	3/4	395.01	3/4	607.26	3/4	822.34	3/4	1,037.47	3/4	1,255.78	3/4	1,473.94	3/4	1,691.84	3/4	1,909.72	3/4	
1	12.59	1	183.05	1	399.56	1	611.62	1	826.78	1	1,041.98	1	1,260.34	1	1,478.48	1	1,696.38	1	1,914.26	1	
1/4	14.59	1/4	187.46	1/4	404.12	1/4	615.98	1/4	831.22	1/4	1,046.50	1/4	1,264.89	1/4	1,483.02	1/4	1,700.92	1/4	1,918.77	1/4	
1/2	16.59	1/2	191.88	1/2	408.67	1/2	620.34	1/2	835.67	1/2	1,051.02	1/2	1,269.44	1/2	1,487.56	1/2	1,705.46	1/2	1,923.28	1/2	
3/4	18.58	3/4	196.29	3/4	413.22	3/4	624.70	3/4	840.11	3/4	1,055.54	3/4	1,274.00	3/4	1,492.10	3/4	1,710.00	3/4	1,927.79	3/4	
2	20.58	2	200.71	2	417.77	2	629.06	2	844.55	2	1,060.06	2	1,278.55	2	1,496.64	2	1,714.54	2	1,932.30	2	
1/4	20.86	1/4	205.12	1/4	422.33	1/4	633.43	1/4	848.99	1/4	1,064.61	1/4	1,283.11	1/4	1,501.18	1/4	1,719.08	1/4	1,936.80	1/4	
1/2	21.14	1/2	209.54	1/2	426.88	1/2	637.80	1/2	853.43	1/2	1,069.16	1/2	1,287.66	1/2	1,505.72	1/2	1,723.62	1/2	1,941.29	1/2	
3/4	21.42	3/4	213.96	3/4	431.43	3/4	642.16	3/4	857.87	3/4	1,073.70	3/4	1,292.22	3/4	1,510.26	3/4	1,728.16	3/4	1,945.79	3/4	
3	21.70	3	218.37	3	435.98	3	646.53	3	862.32	3	1,078.25	3	1,296.77	3	1,514.80	3	1,732.70	3	1,950.28	3	
1/4	23.54	1/4	222.79	1/4	440.54	1/4	650.90	1/4	866.76	1/4	1,082.80	1/4	1,301.32	1/4	1,519.34	1/4	1,737.24	1/4	1,954.77	1/4	
1/2	25.38	1/2	227.20	1/2	445.09	1/2	655.28	1/2	871.20	1/2	1,087.35	1/2	1,305.88	1/2	1,523.88	1/2	1,741.78	1/2	1,959.27	1/2	
3/4	27.21	3/4	231.62	3/4	449.64	3/4	659.66	3/4	875.64	3/4	1,091.89	3/4	1,310.43	3/4	1,528.42	3/4	1,746.32	3/4	1,963.76	3/4	
4	29.05	4	236.03	4	454.19	4	664.03	4	880.08	4	1,096.44	4	1,314.99	4	1,532.96	4	1,750.86	4	1,968.26	4	
1/4	32.04	1/4	240.48	1/4	458.70	1/4	668.46	1/4	884.52	1/4	1,100.99	1/4	1,319.54	1/4	1,537.50	1/4	1,755.40	1/4	1,972.75	1/4	
1/2	35.04	1/2	244.94	1/2	463.20	1/2	672.88	1/2	888.97	1/2	1,105.53	1/2	1,324.09	1/2	1,542.04	1/2	1,759.94	1/2	1,977.25	1/2	
3/4	38.03	3/4	249.39	3/4	467.71	3/4	677.30	3/4	893.41	3/4	1,110.08	3/4	1,328.64	3/4	1,546.58	3/4	1,764.48	3/4	1,981.74	3/4	
5	41.02	5	253.84	5	472.21	5	681.72	5	897.85	5	1,114.63	5	1,333.19	5	1,551.12	5	1,769.02	5	1,986.23	5	
1/4	45.02	1/4	258.40	1/4	476.57	1/4	686.27	1/4	902.31	1/4	1,119.18	1/4	1,337.74	1/4	1,555.66	1/4	1,773.56	1/4	1,990.73	1/4	
1/2	49.02	1/2	262.96	1/2	480.93	1/2	690.82	1/2	906.77	1/2	1,123.72	1/2	1,342.28	1/2	1,560.20	1/2	1,778.10	1/2	1,995.23	1/2	
3/4	53.01	3/4	267.52	3/4	485.28	3/4	695.37	3/4	911.23	3/4	1,128.27	3/4	1,346.83	3/4	1,564.73	3/4	1,782.64	3/4	1,999.73	3/4	
6	57.01	6	272.08	6	489.64	6	699.92	6	915.68	6	1,132.82	6	1,351.37	6	1,569.27	6	1,787.18	6	2,004.23	6	
1/4	61.47	1/4	276.63	1/4	494.00	1/4	704.47	1/4	920.19	1/4	1,137.38	1/4	1,355.91	1/4	1,573.81	1/4	1,791.71	1/4	2,008.74	1/4	
1/2	65.93	1/2	281.19	1/2	498.36	1/2	709.02	1/2	924.71	1/2	1,141.93	1/2	1,360.45	1/2	1,578.35	1/2	1,796.25	1/2	2,013.25	1/2	
3/4	70.40	3/4	285.75	3/4	502.71	3/4	713.57	3/4	929.22	3/4	1,146.48	3/4	1,364.99	3/4	1,582.89	3/4	1,800.79	3/4	2,017.76	3/4	
7	74.86	7	290.31	7	507.07	7	718.12	7	933.73	7	1,151.04	7	1,369.53	7	1,587.43	7	1,805.33	7	2,022.27	7	
1/4	79.43	1/4	294.86	1/4	511.43	1/4	722.67	1/4	938.24	1/4	1,155.59	1/4	1,374.07	1/4	1,591.97	1/4	1,809.87	1/4	2,026.59	1/4	
1/2	84.00	1/2	299.41	1/2	515.78	1/2	727.22	1/2	942.75	1/2	1,160.15	1/2	1,378.61	1/2	1,596.51	1/2	1,814.41	1/2	2,030.91	1/2	
3/4	88.57	3/4	303.96	3/4	520.14	3/4	731.77	3/4	947.26	3/4	1,164.70	3/4	1,383.15	3/4	1,601.05	3/4	1,818.95	3/4	2,035.23	3/4	
8	93.14	8	308.52	8	524.50	8	736.32	8	951.77	8	1,169.25	8	1,387.69	8	1,605.59	8	1,823.49	8	2,039.55	8	
1/4	97.70	1/4	313.07	1/4	528.85	1/4	740.87	1/4	956.28	1/4	1,173.81	1/4	1,392.23	1/4	1,610.13	1/4	1,828.03	1/4	2,043.11	1/4	
1/2	102.27	1/2	317.62	1/2	533.21	1/2	745.42	1/2	960.79	1/2	1,178.36	1/2	1,396.77	1/2	1,614.67	1/2	1,832.57	1/2	2,046.66	1/2	
3/4	106.84	3/4	322.17	3/4	537.56	3/4	749.97	3/4	965.30	3/4	1,182.92	3/4	1,401.31	3/4	1,619.21	3/4	1,837.11	3/4	2,050.22	3/4	
9	111.40	9	326.73	9	541.92	9	754.52	9	969.81	9	1,187.47	9	1,405.85	9	1,623.75	9	1,841.65	9	2,053.78	9	
1/4	115.96	1/4	331.28	1/4	546.28	1/4	759.07	1/4	974.32	1/4	1,192.03	1/4	1,410.39	1/4	1,628.29	1/4	1,846.19	1/4	2,056.58	1/4	
1/2	120.52	1/2	335.83	1/2	550.63	1/2	763.62	1/2	978.83	1/2	1,196.58	1/2	1,414.93	1/2	1,632.83	1/2	1,850.73	1/2	2,059.38	1/2	
3/4	125.08	3/4	340.38	3/4	554.99	3/4	768.17	3/4	983.34	3/4	1,201.13	3/4	1,419.47	3/4	1,637.37	3/4	1,855.27	3/4	2,062.17	3/4	
10	129.63	10	344.94	10	559.34	10	772.72	10	987.86	10	1,205.69	10	1,424.01	10	1,641.91	10	1,859.81	10	2,064.97	10	
1/4	134.16	1/4	349.49	1/4	563.70	1/4	777.27	1/4	992.37	1/4	1,210.24	1/4	1,428.55	1/4	1,646.45	1/4	1,864.35	1/4	2,067.00	1/4	
1/2	138.68	1/2	354.04	1/2	568.06	1/2	781.82	1/2	996.88	1/2	1,214.80	1/2	1,433.09	1/2	1,650.99	1/2	1,868.89	1/2	2,069.04	1/2	
3/4	143.20	3/4	358.59	3/4	572.41	3/4	786.37	3/4	1,001.39	3/4	1,219.35	3/4	1,437.63	3/4	1,655.53	3/4	1,873.43	3/4	2,071.07	3/4	
11	147.72	11	363.15	11	576.77	11	790.92	11	1,005.90	11	1,223.90	11	1,442.17	11	1,660.07	11	1,877.97	11	2,073.10	11	
1/4	152.14	1/4	367.70	1/4	581.12	1/4	795.45	1/4	1,010.41	1/4	1,228.46	1/4	1,446.71	1/4	1,664.61	1/4	1,882.51	1/4	2,074.38	1/4	
1/2	156.55	1/2	372.25	1/2	585.48	1/2	799.97	1/2	1,014.92	1/2	1,233.01	1/2	1,451.24	1/2	1,669.15	1/2	1,887.05	1/2	2,075.65	1/2	
3/4	160.97	3/4	376.80	3/4	589.83	3/4	804.49	3/4	1,019.43	3/4	1,237.57	3/4	1,455.78	3/4	1,673.69	3/4	1,891.59	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

GAUGE POINT: (MMC - TOP OF THREADS) LOCATED 05'-00" OFF CENTERLINE AND 36'-09" FORWARD OF AFT BULKHEAD.  
GAUGE POINT: (8" HATCH) LOCATED 05'-00" OFF CENTERLINE AND 38'-00" FORWARD OF AFT BULKHEAD

STRAPPED: 06/13/2019 JS  
CALCULATED: 06/14/2019 CL  
PRINTED: 06/15/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2019

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





# BARGE "MM 318"

## 4 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-11 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.	IN	10 FT.
0	4.72	0	165.38	0	379.79	0	596.17	0	812.94	0	1,026.53	0	1,243.19	0	1,459.70	0	1,675.91	0	1,892.13	0	
1/4	6.69	1/4	169.79	1/4	384.31	1/4	600.67	1/4	817.35	1/4	1,031.02	1/4	1,247.70	1/4	1,464.21	1/4	1,680.42	1/4	1,896.63	1/4	
1/2	8.65	1/2	174.20	1/2	388.83	1/2	605.17	1/2	821.77	1/2	1,035.50	1/2	1,252.22	1/2	1,468.71	1/2	1,684.92	1/2	1,901.13	1/2	
3/4	10.61	3/4	178.61	3/4	393.34	3/4	609.68	3/4	826.18	3/4	1,039.98	3/4	1,256.74	3/4	1,473.22	3/4	1,689.43	3/4	1,905.63	3/4	
1	12.57	1	183.03	1	397.86	1	614.18	1	830.59	1	1,044.46	1	1,261.26	1	1,477.72	1	1,693.93	1	1,910.13	1	
1/4	14.57	1/4	187.41	1/4	402.38	1/4	618.69	1/4	835.01	1/4	1,048.96	1/4	1,265.78	1/4	1,482.23	1/4	1,698.44	1/4	1,914.61	1/4	
1/2	16.57	1/2	191.79	1/2	406.90	1/2	623.19	1/2	839.42	1/2	1,053.45	1/2	1,270.30	1/2	1,486.73	1/2	1,702.94	1/2	1,919.08	1/2	
3/4	18.56	3/4	196.17	3/4	411.41	3/4	627.70	3/4	843.84	3/4	1,057.94	3/4	1,274.82	3/4	1,491.23	3/4	1,707.45	3/4	1,923.56	3/4	
2	20.56	2	200.55	2	415.93	2	632.20	2	848.25	2	1,062.43	2	1,279.34	2	1,495.74	2	1,711.95	2	1,928.04	2	
1/4	20.85	1/4	204.93	1/4	420.45	1/4	636.71	1/4	852.66	1/4	1,066.95	1/4	1,283.86	1/4	1,500.24	1/4	1,716.45	1/4	1,932.49	1/4	
1/2	21.13	1/2	209.31	1/2	424.96	1/2	641.22	1/2	857.08	1/2	1,071.47	1/2	1,288.37	1/2	1,504.75	1/2	1,720.96	1/2	1,936.95	1/2	
3/4	21.42	3/4	213.69	3/4	429.48	3/4	645.74	3/4	861.49	3/4	1,075.99	3/4	1,292.89	3/4	1,509.25	3/4	1,725.46	3/4	1,941.41	3/4	
3	21.70	3	218.07	3	434.00	3	650.25	3	865.91	3	1,080.51	3	1,297.41	3	1,513.76	3	1,729.97	3	1,945.87	3	
1/4	23.54	1/4	222.45	1/4	438.52	1/4	654.77	1/4	870.32	1/4	1,085.02	1/4	1,301.93	1/4	1,518.26	1/4	1,734.47	1/4	1,950.33	1/4	
1/2	25.38	1/2	226.83	1/2	443.03	1/2	659.29	1/2	874.73	1/2	1,089.54	1/2	1,306.45	1/2	1,522.77	1/2	1,738.98	1/2	1,954.79	1/2	
3/4	27.22	3/4	231.21	3/4	447.55	3/4	663.81	3/4	879.15	3/4	1,094.06	3/4	1,310.97	3/4	1,527.27	3/4	1,743.48	3/4	1,959.25	3/4	
4	29.05	4	235.59	4	452.07	4	668.33	4	883.56	4	1,098.58	4	1,315.49	4	1,531.77	4	1,747.99	4	1,963.71	4	
1/4	32.05	1/4	240.01	1/4	456.58	1/4	672.86	1/4	887.98	1/4	1,103.10	1/4	1,320.01	1/4	1,536.28	1/4	1,752.49	1/4	1,968.17	1/4	
1/2	35.04	1/2	244.43	1/2	461.10	1/2	677.38	1/2	892.39	1/2	1,107.62	1/2	1,324.52	1/2	1,540.78	1/2	1,756.99	1/2	1,972.63	1/2	
3/4	38.03	3/4	248.84	3/4	465.61	3/4	681.90	3/4	896.80	3/4	1,112.14	3/4	1,329.04	3/4	1,545.29	3/4	1,761.50	3/4	1,977.09	3/4	
5	41.02	5	253.26	5	470.12	5	686.42	5	901.22	5	1,116.66	5	1,333.56	5	1,549.79	5	1,766.00	5	1,981.55	5	
1/4	45.01	1/4	257.78	1/4	474.63	1/4	690.95	1/4	905.65	1/4	1,121.18	1/4	1,338.07	1/4	1,554.30	1/4	1,770.51	1/4	1,986.02	1/4	
1/2	49.01	1/2	262.31	1/2	479.13	1/2	695.47	1/2	910.08	1/2	1,125.69	1/2	1,342.58	1/2	1,558.80	1/2	1,775.01	1/2	1,990.49	1/2	
3/4	53.00	3/4	266.83	3/4	483.63	3/4	699.99	3/4	914.51	3/4	1,130.21	3/4	1,347.09	3/4	1,563.30	3/4	1,779.52	3/4	1,994.96	3/4	
6	56.99	6	271.36	6	488.14	6	704.51	6	918.94	6	1,134.73	6	1,351.60	6	1,567.81	6	1,784.02	6	1,999.43	6	
1/4	61.45	1/4	275.88	1/4	492.64	1/4	709.03	1/4	923.43	1/4	1,139.25	1/4	1,356.10	1/4	1,572.31	1/4	1,788.52	1/4	2,003.93	1/4	
1/2	65.90	1/2	280.40	1/2	497.14	1/2	713.56	1/2	927.91	1/2	1,143.77	1/2	1,360.61	1/2	1,576.82	1/2	1,793.03	1/2	2,008.44	1/2	
3/4	70.36	3/4	284.93	3/4	501.65	3/4	718.08	3/4	932.39	3/4	1,148.29	3/4	1,365.11	3/4	1,581.32	3/4	1,797.53	3/4	2,012.94	3/4	
7	74.81	7	289.45	7	506.15	7	722.60	7	936.87	7	1,152.81	7	1,369.62	7	1,585.83	7	1,802.04	7	2,017.45	7	
1/4	79.38	1/4	293.97	1/4	510.65	1/4	727.12	1/4	941.36	1/4	1,157.33	1/4	1,374.12	1/4	1,590.33	1/4	1,806.54	1/4	2,021.76	1/4	
1/2	83.94	1/2	298.48	1/2	515.15	1/2	731.65	1/2	945.84	1/2	1,161.85	1/2	1,378.62	1/2	1,594.84	1/2	1,811.05	1/2	2,026.08	1/2	
3/4	88.51	3/4	303.00	3/4	519.65	3/4	736.17	3/4	950.32	3/4	1,166.36	3/4	1,383.13	3/4	1,599.34	3/4	1,815.55	3/4	2,030.39	3/4	
8	93.07	8	307.52	8	524.15	8	740.69	8	954.81	8	1,170.88	8	1,387.63	8	1,603.84	8	1,820.06	8	2,034.70	8	
1/4	97.63	1/4	312.03	1/4	528.65	1/4	745.21	1/4	959.29	1/4	1,175.40	1/4	1,392.14	1/4	1,608.35	1/4	1,824.56	1/4	2,038.26	1/4	
1/2	102.20	1/2	316.55	1/2	533.16	1/2	749.73	1/2	963.77	1/2	1,179.92	1/2	1,396.64	1/2	1,612.85	1/2	1,829.06	1/2	2,041.81	1/2	
3/4	106.76	3/4	321.07	3/4	537.66	3/4	754.26	3/4	968.25	3/4	1,184.44	3/4	1,401.15	3/4	1,617.36	3/4	1,833.57	3/4	2,045.36	3/4	
9	111.33	9	325.59	9	542.16	9	758.78	9	972.74	9	1,188.96	9	1,405.65	9	1,621.86	9	1,838.07	9	2,048.92	9	
1/4	115.89	1/4	330.10	1/4	546.66	1/4	763.30	1/4	977.22	1/4	1,193.48	1/4	1,410.16	1/4	1,626.37	1/4	1,842.58	1/4	2,051.71	1/4	
1/2	120.45	1/2	334.62	1/2	551.16	1/2	767.82	1/2	981.70	1/2	1,198.00	1/2	1,414.66	1/2	1,630.87	1/2	1,847.08	1/2	2,054.50	1/2	
3/4	125.02	3/4	339.14	3/4	555.66	3/4	772.34	3/4	986.19	3/4	1,202.52	3/4	1,419.16	3/4	1,635.38	3/4	1,851.59	3/4	2,057.29	3/4	
10	129.58	10	343.65	10	560.16	10	776.87	10	990.67	10	1,207.03	10	1,423.67	10	1,639.88	10	1,856.09	10	2,060.09	10	
1/4	134.11	1/4	348.17	1/4	564.66	1/4	781.39	1/4	995.15	1/4	1,211.55	1/4	1,428.17	1/4	1,644.38	1/4	1,860.60	1/4	2,062.12	1/4	
1/2	138.64	1/2	352.69	1/2	569.16	1/2	785.91	1/2	999.63	1/2	1,216.07	1/2	1,432.68	1/2	1,648.89	1/2	1,865.10	1/2	2,064.15	1/2	
3/4	143.17	3/4	357.21	3/4	573.67	3/4	790.43	3/4	1,004.12	3/4	1,220.59	3/4	1,437.18	3/4	1,653.39	3/4	1,869.60	3/4	2,066.18	3/4	
11	147.69	11	361.72	11	578.17	11	794.96	11	1,008.60	11	1,225.11	11	1,441.69	11	1,657.90	11	1,874.11	11	2,068.21	11	
1/4	152.12	1/4	366.24	1/4	582.67	1/4	799.45	1/4	1,013.08	1/4	1,229.63	1/4	1,446.19	1/4	1,662.40	1/4	1,878.61	1/4	2,069.48	1/4	
1/2	156.54	1/2	370.76	1/2	587.17	1/2	803.95	1/2	1,017.57	1/2	1,234.15	1/2	1,450.69	1/2	1,666.91	1/2	1,883.12	1/2	2,070.75	1/2	
3/4	160.96	3/4	375.27	3/4	591.67	3/4	808.44	3/4	1,022.05	3/4	1,238.67	3/4	1,455.20	3/4	1,671.41	3/4	1,887.62	3/4		3/4	

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