



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

ULLAGE (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	00-1/8	- 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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 7'-00"
 DIFF. = 5'-00" (DOWN BY STERN)

THE CORRECTION FOR 5'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

August 5, 2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

1 PORT
ULLAGE TABLE

HERMETIC
GAUGE HEIGHT 16'-05 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0	4,885.91	0	4,545.42	0	4,204.29	0	3,861.78	0	3,519.31	0	3,176.90	0	2,834.45	0	2,491.93		
1/4	1/4	1/4	1/4	1/4	4,878.85	1/4	4,538.32	1/4	4,197.15	1/4	3,854.65	1/4	3,512.18	1/4	3,169.77	1/4	2,827.31	1/4	2,484.80		
1/2	1/2	1/2	1/2	1/2	4,871.80	1/2	4,531.22	1/2	4,190.02	1/2	3,847.51	1/2	3,505.04	1/2	3,162.63	1/2	2,820.18	1/2	2,477.66		
3/4	3/4	3/4	3/4	3/4	4,864.74	3/4	4,524.11	3/4	4,182.88	3/4	3,840.38	3/4	3,497.91	3/4	3,155.50	3/4	2,813.04	3/4	2,470.52		
1	1	1	1	1	4,857.68	1	4,517.01	1	4,175.75	1	3,833.24	1	3,490.77	1	3,148.37	1	2,805.90	1	2,463.39		
1/4	1/4	1/4	1/4	1/4	4,850.62	1/4	4,509.91	1/4	4,168.61	1/4	3,826.11	1/4	3,483.64	1/4	3,141.23	1/4	2,798.77	1/4	2,456.25		
1/2	1/2	1/2	1/2	1/2	4,843.57	1/2	4,502.81	1/2	4,161.48	1/2	3,818.97	1/2	3,476.51	1/2	3,134.10	1/2	2,791.63	1/2	2,449.12		
3/4	3/4	3/4	3/4	3/4	4,836.51	3/4	4,495.70	3/4	4,154.34	3/4	3,811.84	3/4	3,469.37	3/4	3,126.97	3/4	2,784.50	3/4	2,441.98		
2	2	2	2	2	4,829.45	2	4,488.60	2	4,147.20	2	3,804.70	2	3,462.24	2	3,119.83	2	2,777.36	2	2,434.85		
1/4	1/4	1/4	1/4	1/4	4,822.39	1/4	4,481.50	1/4	4,140.07	1/4	3,797.57	1/4	3,455.11	1/4	3,112.70	1/4	2,770.23	1/4	2,427.71		
1/2	1/2	1/2	1/2	1/2	4,815.33	1/2	4,474.39	1/2	4,132.93	1/2	3,790.43	1/2	3,447.97	1/2	3,105.57	1/2	2,763.09	1/2	2,420.57		
3/4	3/4	3/4	3/4	3/4	4,808.23	3/4	4,467.29	3/4	4,125.80	3/4	3,783.29	3/4	3,440.84	3/4	3,098.43	3/4	2,755.95	3/4	2,413.44		
3	3	3	3	3	4,801.13	3	4,460.19	3	4,118.66	3	3,776.16	3	3,433.71	3	3,091.30	3	2,748.82	3	2,406.30		
1/4	1/4	1/4	1/4	1/4	4,794.02	1/4	4,453.09	1/4	4,111.53	1/4	3,769.02	1/4	3,426.57	1/4	3,084.17	1/4	2,741.68	1/4	2,399.17		
1/2	1/2	1/2	1/2	1/2	4,786.92	1/2	4,445.98	1/2	4,104.39	1/2	3,761.89	1/2	3,419.44	1/2	3,077.03	1/2	2,734.55	1/2	2,392.03		
3/4	3/4	3/4	3/4	3/4	4,779.82	3/4	4,438.88	3/4	4,097.26	3/4	3,754.75	3/4	3,412.31	3/4	3,069.90	3/4	2,727.41	3/4	2,384.89		
4	4	4	4	4	4,772.72	4	4,431.78	4	4,090.12	4	3,747.62	4	3,405.17	4	3,062.76	4	2,720.28	4	2,377.76		
1/4	1/4	1/4	1/4	1/4	4,765.61	1/4	4,424.67	1/4	4,082.99	1/4	3,740.48	1/4	3,398.04	1/4	3,055.63	1/4	2,713.14	1/4	2,370.62		
1/2	1/2	1/2	1/2	1/2	4,758.51	1/2	4,417.57	1/2	4,075.85	1/2	3,733.35	1/2	3,390.91	1/2	3,048.50	1/2	2,706.01	1/2	2,363.49		
3/4	3/4	3/4	3/4	3/4	4,751.41	3/4	4,410.47	3/4	4,068.71	3/4	3,726.21	3/4	3,383.77	3/4	3,041.36	3/4	2,698.87	3/4	2,356.35		
5	5	5	5	5	4,744.30	5	4,403.37	5	4,061.58	5	3,719.07	5	3,376.64	5	3,034.23	5	2,691.73	5	2,349.21		
1/4	1/4	1/4	1/4	1/4	4,737.20	1/4	4,396.26	1/4	4,054.44	1/4	3,711.94	1/4	3,369.51	1/4	3,027.10	1/4	2,684.60	1/4	2,342.08		
1/2	1/2	1/2	1/2	1/2	4,730.10	1/2	4,389.16	1/2	4,047.31	1/2	3,704.80	1/2	3,362.37	1/2	3,019.96	1/2	2,677.46	1/2	2,334.94		
3/4	3/4	3/4	3/4	3/4	4,723.00	3/4	4,382.06	3/4	4,040.17	3/4	3,697.67	3/4	3,355.24	3/4	3,012.83	3/4	2,670.33	3/4	2,327.81		
6	6	6	6	6	4,715.89	6	4,374.95	6	4,033.04	6	3,690.53	6	3,348.10	6	3,005.70	6	2,663.19	6	2,320.67		
1/4	1/4	1/4	1/4	1/4	4,708.79	1/4	4,367.85	1/4	4,025.90	1/4	3,683.40	1/4	3,340.97	1/4	2,998.56	1/4	2,656.06	1/4	2,313.53		
1/2	1/2	1/2	1/2	1/2	5,015.88	1/2	4,701.69	1/2	4,360.75	1/2	4,018.77	1/2	3,676.26	1/2	3,333.84	1/2	2,991.43	1/2	2,648.92	1/2	2,306.40
3/4	3/4	3/4	3/4	3/4	5,012.09	3/4	4,694.58	3/4	4,353.65	3/4	4,011.63	3/4	3,669.13	3/4	3,326.70	3/4	2,984.29	3/4	2,641.79	3/4	2,299.26
7	7	7	7	7	5,008.31	7	4,687.48	7	4,346.54	7	4,004.49	7	3,661.99	7	3,319.57	7	2,977.16	7	2,634.65	7	2,292.13
1/4	1/4	1/4	1/4	1/4	5,004.52	1/4	4,680.38	1/4	4,339.44	1/4	3,997.36	1/4	3,654.86	1/4	3,312.44	1/4	2,970.02	1/4	2,627.51	1/4	2,284.99
1/2	1/2	1/2	1/2	1/2	5,000.73	1/2	4,673.28	1/2	4,332.34	1/2	3,990.22	1/2	3,647.72	1/2	3,305.30	1/2	2,962.89	1/2	2,620.38	1/2	2,277.86
3/4	3/4	3/4	3/4	3/4	4,995.75	3/4	4,666.17	3/4	4,325.23	3/4	3,983.09	3/4	3,640.58	3/4	3,298.17	3/4	2,955.75	3/4	2,613.24	3/4	2,270.72
8	8	8	8	8	4,990.78	8	4,659.07	8	4,318.13	8	3,975.95	8	3,633.45	8	3,291.04	8	2,948.62	8	2,606.11	8	2,263.58
1/4	1/4	1/4	1/4	1/4	4,985.80	1/4	4,651.97	1/4	4,311.03	1/4	3,968.82	1/4	3,626.31	1/4	3,283.90	1/4	2,941.48	1/4	2,598.97	1/4	2,256.45
1/2	1/2	1/2	1/2	1/2	4,980.82	1/2	4,644.86	1/2	4,303.92	1/2	3,961.68	1/2	3,619.18	1/2	3,276.77	1/2	2,934.34	1/2	2,591.83	1/2	2,249.31
3/4	3/4	3/4	3/4	3/4	4,974.66	3/4	4,637.76	3/4	4,296.82	3/4	3,954.55	3/4	3,612.04	3/4	3,269.64	3/4	2,927.21	3/4	2,584.70	3/4	2,242.18
9	9	9	9	9	4,968.49	9	4,630.66	9	4,289.72	9	3,947.41	9	3,604.91	9	3,262.50	9	2,920.07	9	2,577.56	9	2,235.04
1/4	1/4	1/4	1/4	1/4	4,962.33	1/4	4,623.56	1/4	4,282.62	1/4	3,940.28	1/4	3,597.78	1/4	3,255.37	1/4	2,912.94	1/4	2,570.43	1/4	2,227.90
1/2	1/2	1/2	1/2	1/2	4,956.16	1/2	4,616.45	1/2	4,275.51	1/2	3,933.14	1/2	3,590.64	1/2	3,248.24	1/2	2,905.80	1/2	2,563.29	1/2	2,220.77
3/4	3/4	3/4	3/4	3/4	4,949.17	3/4	4,609.35	3/4	4,268.41	3/4	3,926.00	3/4	3,583.51	3/4	3,241.10	3/4	2,898.67	3/4	2,556.16	3/4	2,213.63
10	10	10	10	10	4,942.18	10	4,602.25	10	4,261.31	10	3,918.87	10	3,576.38	10	3,233.97	10	2,891.53	10	2,549.02	10	2,206.50
1/4	1/4	1/4	1/4	1/4	4,935.19	1/4	4,595.14	1/4	4,254.20	1/4	3,911.73	1/4	3,569.24	1/4	3,226.84	1/4	2,884.40	1/4	2,541.88	1/4	2,199.36
1/2	1/2	1/2	1/2	1/2	4,928.20	1/2	4,588.04	1/2	4,247.10	1/2	3,904.60	1/2	3,562.11	1/2	3,219.70	1/2	2,877.26	1/2	2,534.75	1/2	2,192.22
3/4	3/4	3/4	3/4	3/4	4,921.16	3/4	4,580.94	3/4	4,239.97	3/4	3,897.46	3/4	3,554.98	3/4	3,212.57	3/4	2,870.12	3/4	2,527.61	3/4	2,185.09
11	11	11	11	11	4,914.12	11	4,573.84	11	4,232.83	11	3,890.33	11	3,547.84	11	3,205.43	11	2,862.99	11	2,520.48	11	2,177.95
1/4	1/4	1/4	1/4	1/4	4,907.07	1/4	4,566.73	1/4	4,225.70	1/4	3,883.19	1/4	3,540.71	1/4	3,198.30	1/4	2,855.85	1/4	2,513.34	1/4	2,170.82
1/2	1/2	1/2	1/2	1/2	4,900.03	1/2	4,559.63	1/2	4,218.56	1/2	3,876.06	1/2	3,533.58	1/2	3,191.17	1/2	2,848.72	1/2	2,506.20	1/2	2,163.68
3/4	3/4	3/4	3/4	3/4	4,892.97	3/4	4,552.53	3/4	4,211.42	3/4	3,868.92	3/4	3,526.44	3/4	3,184.03	3/4	2,841.58	3/4	2,499.07	3/4	2,156.54

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 ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

1 PORT
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,149.41	0	1,806.89	0	1,464.36	0	1,121.84	0	781.70	0	439.87	0	127.38	0		0			
1/4	2,142.27	1/4	1,799.75	1/4	1,457.23	1/4	1,114.70	1/4	774.62	1/4	432.87	1/4	121.37	1/4		1/4			
1/2	2,135.14	1/2	1,792.61	1/2	1,450.09	1/2	1,107.57	1/2	767.53	1/2	425.86	1/2	115.36	1/2		1/2			
3/4	2,128.00	3/4	1,785.48	3/4	1,442.95	3/4	1,100.43	3/4	760.43	3/4	418.94	3/4	109.44	3/4		3/4			
1	2,120.87	1	1,778.34	1	1,435.82	1	1,093.30	1	753.33	1	412.01	1	103.51	1		1			
1/4	2,113.73	1/4	1,771.21	1/4	1,428.68	1/4	1,086.16	1/4	746.23	1/4	405.08	1/4	97.59	1/4		1/4			
1/2	2,106.59	1/2	1,764.07	1/2	1,421.55	1/2	1,079.02	1/2	739.13	1/2	398.15	1/2	91.66	1/2		1/2			
3/4	2,099.46	3/4	1,756.93	3/4	1,414.41	3/4	1,071.92	3/4	731.99	3/4	391.31	3/4	85.83	3/4		3/4			
2	2,092.32	2	1,749.80	2	1,407.28	2	1,064.82	2	724.85	2	384.47	2	80.00	2		2			
1/4	2,085.19	1/4	1,742.66	1/4	1,400.14	1/4	1,057.72	1/4	717.72	1/4	377.62	1/4	74.16	1/4		1/4			
1/2	2,078.05	1/2	1,735.53	1/2	1,393.00	1/2	1,050.62	1/2	710.58	1/2	370.78	1/2	68.33	1/2		1/2			
3/4	2,070.91	3/4	1,728.39	3/4	1,385.87	3/4	1,043.53	3/4	703.45	3/4	364.02	3/4	62.61	3/4		3/4			
3	2,063.78	3	1,721.26	3	1,378.73	3	1,036.45	3	696.31	3	357.26	3	56.88	3		3			
1/4	2,056.64	1/4	1,714.12	1/4	1,371.60	1/4	1,029.36	1/4	689.18	1/4	350.50	1/4	51.16	1/4		1/4			
1/2	2,049.51	1/2	1,706.98	1/2	1,364.46	1/2	1,022.28	1/2	682.04	1/2	343.74	1/2	45.44	1/2		1/2			
3/4	2,042.37	3/4	1,699.85	3/4	1,357.32	3/4	1,015.21	3/4	674.90	3/4	337.06	3/4	40.65	3/4		3/4			
4	2,035.23	4	1,692.71	4	1,350.19	4	1,008.13	4	667.77	4	330.38	4	35.87	4		4			
1/4	2,028.10	1/4	1,685.58	1/4	1,343.05	1/4	1,001.05	1/4	660.63	1/4	323.70	1/4	31.09	1/4		1/4			
1/2	2,020.96	1/2	1,678.44	1/2	1,335.92	1/2	993.98	1/2	653.50	1/2	317.03	1/2	26.30	1/2		1/2			
3/4	2,013.83	3/4	1,671.30	3/4	1,328.78	3/4	986.90	3/4	646.36	3/4	310.43	3/4	23.39	3/4		3/4			
5	2,006.69	5	1,664.17	5	1,321.64	5	979.83	5	639.23	5	303.84	5	20.47	5		5			
1/4	1,999.56	1/4	1,657.03	1/4	1,314.51	1/4	972.75	1/4	632.09	1/4	297.24	1/4	17.55	1/4		1/4			
1/2	1,992.42	1/2	1,649.90	1/2	1,307.37	1/2	965.68	1/2	624.95	1/2	290.65	1/2	14.64	1/2		1/2			
3/4	1,985.28	3/4	1,642.76	3/4	1,300.24	3/4	958.60	3/4	617.82	3/4	284.14	3/4		3/4		3/4			
6	1,978.15	6	1,635.62	6	1,293.10	6	951.53	6	610.68	6	277.63	6		6		6			
1/4	1,971.01	1/4	1,628.49	1/4	1,285.97	1/4	944.45	1/4	603.55	1/4	271.12	1/4		1/4		1/4			
1/2	1,963.88	1/2	1,621.35	1/2	1,278.83	1/2	937.37	1/2	596.41	1/2	264.61	1/2		1/2		1/2			
3/4	1,956.74	3/4	1,614.22	3/4	1,271.69	3/4	930.30	3/4	589.28	3/4	258.18	3/4		3/4		3/4			
7	1,949.60	7	1,607.08	7	1,264.56	7	923.22	7	582.14	7	251.76	7		7		7			
1/4	1,942.47	1/4	1,599.94	1/4	1,257.42	1/4	916.15	1/4	575.00	1/4	245.33	1/4		1/4		1/4			
1/2	1,935.33	1/2	1,592.81	1/2	1,250.29	1/2	909.07	1/2	567.87	1/2	238.90	1/2		1/2		1/2			
3/4	1,928.20	3/4	1,585.67	3/4	1,243.15	3/4	902.00	3/4	560.73	3/4	232.56	3/4		3/4		3/4			
8	1,921.06	8	1,578.54	8	1,236.01	8	894.92	8	553.60	8	226.21	8		8		8			
1/4	1,913.92	1/4	1,571.40	1/4	1,228.88	1/4	887.85	1/4	546.46	1/4	219.87	1/4		1/4		1/4			
1/2	1,906.79	1/2	1,564.27	1/2	1,221.74	1/2	880.77	1/2	539.33	1/2	213.53	1/2		1/2		1/2			
3/4	1,899.65	3/4	1,557.13	3/4	1,214.61	3/4	873.70	3/4	532.19	3/4	207.27	3/4		3/4		3/4			
9	1,892.52	9	1,549.99	9	1,207.47	9	866.62	9	525.05	9	201.01	9		9		9			
1/4	1,885.38	1/4	1,542.86	1/4	1,200.33	1/4	859.54	1/4	517.92	1/4	194.75	1/4		1/4		1/4			
1/2	1,878.24	1/2	1,535.72	1/2	1,193.20	1/2	852.47	1/2	510.78	1/2	188.49	1/2		1/2		1/2			
3/4	1,871.11	3/4	1,528.59	3/4	1,186.06	3/4	845.39	3/4	503.65	3/4	182.31	3/4		3/4		3/4			
10	1,863.97	10	1,521.45	10	1,178.93	10	838.32	10	496.51	10	176.13	10		10		10			
1/4	1,856.84	1/4	1,514.31	1/4	1,171.79	1/4	831.24	1/4	489.38	1/4	169.95	1/4		1/4		1/4			
1/2	1,849.70	1/2	1,507.18	1/2	1,164.65	1/2	824.17	1/2	482.24	1/2	163.78	1/2		1/2		1/2			
3/4	1,842.57	3/4	1,500.04	3/4	1,157.52	3/4	817.09	3/4	475.15	3/4	157.68	3/4		3/4		3/4			
11	1,835.43	11	1,492.91	11	1,150.38	11	810.02	11	468.06	11	151.59	11		11		11			
1/4	1,828.29	1/4	1,485.77	1/4	1,143.25	1/4	802.94	1/4	460.97	1/4	145.50	1/4		1/4		1/4			
1/2	1,821.16	1/2	1,478.63	1/2	1,136.11	1/2	795.87	1/2	453.89	1/2	139.40	1/2		1/2		1/2			
3/4	1,814.02	3/4	1,471.50	3/4	1,128.98	3/4	788.78	3/4	446.88	3/4	133.39	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020





BARGE "HSM 3318"
formerly the
BARGE "FMT 3318"

1 STBD
ULLAGE TABLE

HERMETIC
GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,874.19	0	4,533.61	0	4,192.40	0	3,849.89	0	3,507.42	0	3,165.00	0	2,822.54	0	2,480.02
1/4		1/4		1/4	4,867.13	1/4	4,526.50	1/4	4,185.27	1/4	3,842.76	1/4	3,500.28	1/4	3,157.87	1/4	2,815.41	1/4	2,472.89
1/2		1/2		1/2	4,860.07	1/2	4,519.40	1/2	4,178.13	1/2	3,835.62	1/2	3,493.15	1/2	3,150.74	1/2	2,808.27	1/2	2,465.75
3/4		3/4		3/4	4,853.02	3/4	4,512.30	3/4	4,171.00	3/4	3,828.49	3/4	3,486.02	3/4	3,143.60	3/4	2,801.13	3/4	2,458.61
1		1		1	4,845.96	1	4,505.20	1	4,163.86	1	3,821.35	1	3,478.88	1	3,136.47	1	2,794.00	1	2,451.48
1/4		1/4		1/4	4,838.90	1/4	4,498.09	1/4	4,156.72	1/4	3,814.22	1/4	3,471.75	1/4	3,129.34	1/4	2,786.86	1/4	2,444.34
1/2		1/2		1/2	4,831.84	1/2	4,490.99	1/2	4,149.59	1/2	3,807.08	1/2	3,464.62	1/2	3,122.20	1/2	2,779.73	1/2	2,437.21
3/4		3/4		3/4	4,824.79	3/4	4,483.89	3/4	4,142.45	3/4	3,799.94	3/4	3,457.48	3/4	3,115.07	3/4	2,772.59	3/4	2,430.07
2		2		2	4,817.73	2	4,476.78	2	4,135.32	2	3,792.81	2	3,450.35	2	3,107.94	2	2,765.46	2	2,422.93
1/4		1/4		1/4	4,810.62	1/4	4,469.68	1/4	4,128.18	1/4	3,785.67	1/4	3,443.21	1/4	3,100.80	1/4	2,758.32	1/4	2,415.80
1/2		1/2		1/2	4,803.52	1/2	4,462.58	1/2	4,121.05	1/2	3,778.54	1/2	3,436.08	1/2	3,093.67	1/2	2,751.18	1/2	2,408.66
3/4		3/4		3/4	4,796.42	3/4	4,455.47	3/4	4,113.91	3/4	3,771.40	3/4	3,428.95	3/4	3,086.53	3/4	2,744.05	3/4	2,401.53
3		3		3	4,789.32	3	4,448.37	3	4,106.78	3	3,764.27	3	3,421.81	3	3,079.40	3	2,736.91	3	2,394.39
1/4		1/4		1/4	4,782.21	1/4	4,441.27	1/4	4,099.64	1/4	3,757.13	1/4	3,414.68	1/4	3,072.27	1/4	2,729.78	1/4	2,387.25
1/2		1/2		1/2	4,775.11	1/2	4,434.17	1/2	4,092.50	1/2	3,750.00	1/2	3,407.55	1/2	3,065.13	1/2	2,722.64	1/2	2,380.12
3/4		3/4		3/4	4,768.01	3/4	4,427.06	3/4	4,085.37	3/4	3,742.86	3/4	3,400.41	3/4	3,058.00	3/4	2,715.51	3/4	2,372.98
4		4		4	4,760.90	4	4,419.96	4	4,078.23	4	3,735.72	4	3,393.28	4	3,050.87	4	2,708.37	4	2,365.85
1/4		1/4		1/4	4,753.80	1/4	4,412.86	1/4	4,071.10	1/4	3,728.59	1/4	3,386.15	1/4	3,043.73	1/4	2,701.23	1/4	2,358.71
1/2		1/2		1/2	4,746.70	1/2	4,405.75	1/2	4,063.96	1/2	3,721.45	1/2	3,379.01	1/2	3,036.60	1/2	2,694.10	1/2	2,351.57
3/4		3/4		3/4	4,739.59	3/4	4,398.65	3/4	4,056.83	3/4	3,714.32	3/4	3,371.88	3/4	3,029.47	3/4	2,686.96	3/4	2,344.44
5		5		5	4,732.49	5	4,391.55	5	4,049.69	5	3,707.18	5	3,364.75	5	3,022.33	5	2,679.83	5	2,337.30
1/4		1/4		1/4	4,725.39	1/4	4,384.44	1/4	4,042.56	1/4	3,700.05	1/4	3,357.61	1/4	3,015.20	1/4	2,672.69	1/4	2,330.17
1/2		1/2		1/2	4,718.29	1/2	4,377.34	1/2	4,035.42	1/2	3,692.91	1/2	3,350.48	1/2	3,008.07	1/2	2,665.56	1/2	2,323.03
3/4		3/4		3/4	4,711.18	3/4	4,370.24	3/4	4,028.28	3/4	3,685.78	3/4	3,343.34	3/4	3,000.93	3/4	2,658.42	3/4	2,315.89
6		6	5,018.27	6	4,704.08	6	4,363.14	6	4,021.15	6	3,678.64	6	3,336.21	6	2,993.80	6	2,651.28	6	2,308.76
1/4		1/4	5,014.48	1/4	4,696.98	1/4	4,356.03	1/4	4,014.01	1/4	3,671.50	1/4	3,329.08	1/4	2,986.66	1/4	2,644.15	1/4	2,301.62
1/2		1/2	5,010.70	1/2	4,689.87	1/2	4,348.93	1/2	4,006.88	1/2	3,664.37	1/2	3,321.94	1/2	2,979.53	1/2	2,637.01	1/2	2,294.49
3/4		3/4	5,006.91	3/4	4,682.77	3/4	4,341.83	3/4	3,999.74	3/4	3,657.23	3/4	3,314.81	3/4	2,972.39	3/4	2,629.88	3/4	2,287.35
7		7	5,003.12	7	4,675.67	7	4,334.72	7	3,992.61	7	3,650.10	7	3,307.68	7	2,965.26	7	2,622.74	7	2,280.21
1/4		1/4	4,998.14	1/4	4,668.56	1/4	4,327.62	1/4	3,985.47	1/4	3,642.96	1/4	3,300.54	1/4	2,958.12	1/4	2,615.61	1/4	2,273.08
1/2		1/2	4,993.17	1/2	4,661.46	1/2	4,320.52	1/2	3,978.33	1/2	3,635.83	1/2	3,293.41	1/2	2,950.98	1/2	2,608.47	1/2	2,265.94
3/4		3/4	4,988.19	3/4	4,654.36	3/4	4,313.41	3/4	3,971.20	3/4	3,628.69	3/4	3,286.28	3/4	2,943.85	3/4	2,601.33	3/4	2,258.81
8		8	4,983.21	8	4,647.26	8	4,306.31	8	3,964.06	8	3,621.55	8	3,279.14	8	2,936.71	8	2,594.20	8	2,251.67
1/4		1/4	4,977.05	1/4	4,640.15	1/4	4,299.21	1/4	3,956.93	1/4	3,614.42	1/4	3,272.01	1/4	2,929.58	1/4	2,587.06	1/4	2,244.53
1/2		1/2	4,970.88	1/2	4,633.05	1/2	4,292.11	1/2	3,949.79	1/2	3,607.29	1/2	3,264.87	1/2	2,922.44	1/2	2,579.93	1/2	2,237.40
3/4		3/4	4,964.71	3/4	4,625.95	3/4	4,285.00	3/4	3,942.66	3/4	3,600.15	3/4	3,257.74	3/4	2,915.31	3/4	2,572.79	3/4	2,230.26
9		9	4,958.55	9	4,618.84	9	4,277.90	9	3,935.52	9	3,593.02	9	3,250.61	9	2,908.17	9	2,565.65	9	2,223.13
1/4		1/4	4,951.56	1/4	4,611.74	1/4	4,270.80	1/4	3,928.39	1/4	3,585.89	1/4	3,243.47	1/4	2,901.03	1/4	2,558.52	1/4	2,215.99
1/2		1/2	4,944.57	1/2	4,604.64	1/2	4,263.69	1/2	3,921.25	1/2	3,578.75	1/2	3,236.34	1/2	2,893.90	1/2	2,551.38	1/2	2,208.85
3/4		3/4	4,937.58	3/4	4,597.53	3/4	4,256.59	3/4	3,914.11	3/4	3,571.62	3/4	3,229.21	3/4	2,886.76	3/4	2,544.25	3/4	2,201.72
10		10	4,930.59	10	4,590.43	10	4,249.49	10	3,906.98	10	3,564.49	10	3,222.07	10	2,879.63	10	2,537.11	10	2,194.58
1/4		1/4	4,923.55	1/4	4,583.33	1/4	4,242.35	1/4	3,899.84	1/4	3,557.35	1/4	3,214.94	1/4	2,872.49	1/4	2,529.97	1/4	2,187.45
1/2		1/2	4,916.50	1/2	4,576.23	1/2	4,235.22	1/2	3,892.71	1/2	3,550.22	1/2	3,207.81	1/2	2,865.36	1/2	2,522.84	1/2	2,180.31
3/4		3/4	4,909.46	3/4	4,569.12	3/4	4,228.08	3/4	3,885.57	3/4	3,543.09	3/4	3,200.67	3/4	2,858.22	3/4	2,515.70	3/4	2,173.17
11		11	4,902.42	11	4,562.02	11	4,220.95	11	3,878.44	11	3,535.95	11	3,193.54	11	2,851.08	11	2,508.57	11	2,166.04
1/4		1/4	4,895.36	1/4	4,554.92	1/4	4,213.81	1/4	3,871.30	1/4	3,528.82	1/4	3,186.41	1/4	2,843.95	1/4	2,501.43	1/4	2,158.90
1/2		1/2	4,888.30	1/2	4,547.81	1/2	4,206.67	1/2	3,864.17	1/2	3,521.68	1/2	3,179.27	1/2	2,836.81	1/2	2,494.29	1/2	2,151.77
3/4		3/4	4,881.25	3/4	4,540.71	3/4	4,199.54	3/4	3,857.03	3/4	3,514.55	3/4	3,172.14	3/4	2,829.68	3/4	2,487.16	3/4	2,144.63

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 ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

1 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,137.49	0	1,794.97	0	1,452.44	0	1,109.91	0	767.67	0	425.82	0	115.34	0		0			
1/4	2,130.36	1/4	1,787.83	1/4	1,445.30	1/4	1,102.77	1/4	760.53	1/4	418.89	1/4	109.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,123.22	1/2	1,780.69	1/2	1,438.17	1/2	1,095.64	1/2	753.40	1/2	411.97	1/2	103.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,116.09	3/4	1,773.56	3/4	1,431.03	3/4	1,088.50	3/4	746.26	3/4	405.04	3/4	97.57	3/4	3/4	3/4	3/4	3/4	3/4
1	2,108.95	1	1,766.42	1	1,423.89	1	1,081.37	1	739.13	1	398.11	1	91.65	1	1	1	1	1	1
1/4	2,101.81	1/4	1,759.29	1/4	1,416.76	1/4	1,074.23	1/4	731.99	1/4	391.27	1/4	85.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,094.68	1/2	1,752.15	1/2	1,409.62	1/2	1,067.09	1/2	724.85	1/2	384.43	1/2	79.98	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,087.54	3/4	1,745.01	3/4	1,402.49	3/4	1,059.96	3/4	717.72	3/4	377.58	3/4	74.15	3/4	3/4	3/4	3/4	3/4	3/4
2	2,080.41	2	1,737.88	2	1,395.35	2	1,052.82	2	710.58	2	370.74	2	68.32	2	2	2	2	2	2
1/4	2,073.27	1/4	1,730.74	1/4	1,388.21	1/4	1,045.69	1/4	703.45	1/4	363.98	1/4	62.60	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,066.13	1/2	1,723.61	1/2	1,381.08	1/2	1,038.55	1/2	696.31	1/2	357.22	1/2	56.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,059.00	3/4	1,716.47	3/4	1,373.94	3/4	1,031.41	3/4	689.18	3/4	350.46	3/4	51.15	3/4	3/4	3/4	3/4	3/4	3/4
3	2,051.86	3	1,709.33	3	1,366.81	3	1,024.28	3	682.04	3	343.70	3	45.43	3	3	3	3	3	3
1/4	2,044.73	1/4	1,702.20	1/4	1,359.67	1/4	1,017.15	1/4	674.90	1/4	337.02	1/4	40.65	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,037.59	1/2	1,695.06	1/2	1,352.53	1/2	1,010.02	1/2	667.77	1/2	330.34	1/2	35.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,030.45	3/4	1,687.93	3/4	1,345.40	3/4	1,002.90	3/4	660.63	3/4	323.67	3/4	31.08	3/4	3/4	3/4	3/4	3/4	3/4
4	2,023.32	4	1,680.79	4	1,338.26	4	995.77	4	653.50	4	316.99	4	26.30	4	4	4	4	4	4
1/4	2,016.18	1/4	1,673.65	1/4	1,331.13	1/4	988.64	1/4	646.36	1/4	310.40	1/4	23.38	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,009.05	1/2	1,666.52	1/2	1,323.99	1/2	981.52	1/2	639.23	1/2	303.80	1/2	20.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,001.91	3/4	1,659.38	3/4	1,316.85	3/4	974.39	3/4	632.09	3/4	297.21	3/4	17.55	3/4	3/4	3/4	3/4	3/4	3/4
5	1,994.77	5	1,652.25	5	1,309.72	5	967.26	5	624.95	5	290.62	5	14.64	5	5	5	5	5	5
1/4	1,987.64	1/4	1,645.11	1/4	1,302.58	1/4	960.13	1/4	617.82	1/4	284.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,980.50	1/2	1,637.97	1/2	1,295.45	1/2	953.01	1/2	610.68	1/2	277.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,973.37	3/4	1,630.84	3/4	1,288.31	3/4	945.88	3/4	603.55	3/4	271.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,966.23	6	1,623.70	6	1,281.17	6	938.75	6	596.41	6	264.58	6	6	6	6	6	6	6	6
1/4	1,959.09	1/4	1,616.57	1/4	1,274.04	1/4	931.63	1/4	589.28	1/4	258.15	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,951.96	1/2	1,609.43	1/2	1,266.90	1/2	924.50	1/2	582.14	1/2	251.72	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,944.82	3/4	1,602.29	3/4	1,259.77	3/4	917.37	3/4	575.00	3/4	245.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,937.69	7	1,595.16	7	1,252.63	7	910.25	7	567.87	7	238.87	7	7	7	7	7	7	7	7
1/4	1,930.55	1/4	1,588.02	1/4	1,245.49	1/4	903.12	1/4	560.73	1/4	232.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,923.41	1/2	1,580.89	1/2	1,238.36	1/2	895.99	1/2	553.60	1/2	226.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,916.28	3/4	1,573.75	3/4	1,231.22	3/4	888.86	3/4	546.46	3/4	219.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,909.14	8	1,566.61	8	1,224.09	8	881.74	8	539.33	8	213.50	8	8	8	8	8	8	8	8
1/4	1,902.01	1/4	1,559.48	1/4	1,216.95	1/4	874.61	1/4	532.19	1/4	207.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,894.87	1/2	1,552.34	1/2	1,209.81	1/2	867.48	1/2	525.05	1/2	200.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,887.73	3/4	1,545.21	3/4	1,202.68	3/4	860.36	3/4	517.92	3/4	194.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,880.60	9	1,538.07	9	1,195.54	9	853.23	9	510.78	9	188.46	9	9	9	9	9	9	9	9
1/4	1,873.46	1/4	1,530.93	1/4	1,188.41	1/4	846.10	1/4	503.65	1/4	182.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,866.33	1/2	1,523.80	1/2	1,181.27	1/2	838.97	1/2	496.51	1/2	176.11	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,859.19	3/4	1,516.66	3/4	1,174.13	3/4	831.85	3/4	489.38	3/4	169.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,852.05	10	1,509.53	10	1,167.00	10	824.72	10	482.24	10	163.75	10	10	10	10	10	10	10	10
1/4	1,844.92	1/4	1,502.39	1/4	1,159.86	1/4	817.59	1/4	475.15	1/4	157.66	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,837.78	1/2	1,495.25	1/2	1,152.73	1/2	810.47	1/2	468.05	1/2	151.57	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,830.65	3/4	1,488.12	3/4	1,145.59	3/4	803.34	3/4	460.96	3/4	145.48	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,823.51	11	1,480.98	11	1,138.45	11	796.21	11	453.86	11	139.38	11	11	11	11	11	11	11	11
1/4	1,816.37	1/4	1,473.85	1/4	1,131.32	1/4	789.08	1/4	446.85	1/4	133.37	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,809.24	1/2	1,466.71	1/2	1,124.18	1/2	781.94	1/2	439.84	1/2	127.36	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,802.10	3/4	1,459.57	3/4	1,117.05	3/4	774.80	3/4	432.83	3/4	121.35	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

2 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,937.86	0	4,596.65	0	4,254.80	0	3,911.62	0	3,568.44	0	3,225.26	0	2,882.03	0	2,538.76
1/4		1/4		1/4	4,930.79	1/4	4,589.53	1/4	4,247.65	1/4	3,904.47	1/4	3,561.29	1/4	3,218.11	1/4	2,874.88	1/4	2,531.61
1/2		1/2		1/2	4,923.71	1/2	4,582.41	1/2	4,240.50	1/2	3,897.32	1/2	3,554.14	1/2	3,210.96	1/2	2,867.73	1/2	2,524.45
3/4		3/4		3/4	4,916.64	3/4	4,575.30	3/4	4,233.35	3/4	3,890.17	3/4	3,546.99	3/4	3,203.81	3/4	2,860.58	3/4	2,517.30
1		1		1	4,909.57	1	4,568.18	1	4,226.21	1	3,883.02	1	3,539.84	1	3,196.66	1	2,853.43	1	2,510.15
1/4		1/4		1/4	4,902.50	1/4	4,561.06	1/4	4,219.06	1/4	3,875.87	1/4	3,532.69	1/4	3,189.51	1/4	2,846.28	1/4	2,503.00
1/2		1/2		1/2	4,895.43	1/2	4,553.95	1/2	4,211.91	1/2	3,868.73	1/2	3,525.54	1/2	3,182.36	1/2	2,839.12	1/2	2,495.85
3/4		3/4		3/4	4,888.35	3/4	4,546.83	3/4	4,204.76	3/4	3,861.58	3/4	3,518.39	3/4	3,175.21	3/4	2,831.97	3/4	2,488.70
2		2		2	4,881.28	2	4,539.71	2	4,197.61	2	3,854.43	2	3,511.25	2	3,168.06	2	2,824.82	2	2,481.54
1/4		1/4		1/4	4,874.21	1/4	4,532.59	1/4	4,190.46	1/4	3,847.28	1/4	3,504.10	1/4	3,160.91	1/4	2,817.67	1/4	2,474.39
1/2		1/2		1/2	4,867.09	1/2	4,525.48	1/2	4,183.31	1/2	3,840.13	1/2	3,496.95	1/2	3,153.77	1/2	2,810.52	1/2	2,467.24
3/4		3/4		3/4	4,859.98	3/4	4,518.36	3/4	4,176.16	3/4	3,832.98	3/4	3,489.80	3/4	3,146.62	3/4	2,803.37	3/4	2,460.09
3		3		3	4,852.86	3	4,511.24	3	4,169.01	3	3,825.83	3	3,482.65	3	3,139.47	3	2,796.22	3	2,452.94
1/4		1/4		1/4	4,845.74	1/4	4,504.13	1/4	4,161.86	1/4	3,818.68	1/4	3,475.50	1/4	3,132.32	1/4	2,789.06	1/4	2,445.79
1/2		1/2		1/2	4,838.63	1/2	4,497.01	1/2	4,154.71	1/2	3,811.53	1/2	3,468.35	1/2	3,125.17	1/2	2,781.91	1/2	2,438.64
3/4		3/4		3/4	4,831.51	3/4	4,489.89	3/4	4,147.56	3/4	3,804.38	3/4	3,461.20	3/4	3,118.02	3/4	2,774.76	3/4	2,431.48
4		4		4	4,824.39	4	4,482.78	4	4,140.41	4	3,797.23	4	3,454.05	4	3,110.87	4	2,767.61	4	2,424.33
1/4		1/4		1/4	4,817.27	1/4	4,475.66	1/4	4,133.26	1/4	3,790.08	1/4	3,446.90	1/4	3,103.72	1/4	2,760.46	1/4	2,417.18
1/2		1/2		1/2	4,810.16	1/2	4,468.54	1/2	4,126.11	1/2	3,782.93	1/2	3,439.75	1/2	3,096.57	1/2	2,753.31	1/2	2,410.03
3/4		3/4		3/4	4,803.04	3/4	4,461.42	3/4	4,118.96	3/4	3,775.78	3/4	3,432.60	3/4	3,089.42	3/4	2,746.15	3/4	2,402.88
5		5		5	4,795.92	5	4,454.31	5	4,111.81	5	3,768.63	5	3,425.45	5	3,082.27	5	2,739.00	5	2,395.73
1/4		1/4		1/4	4,788.81	1/4	4,447.19	1/4	4,104.66	1/4	3,761.48	1/4	3,418.30	1/4	3,075.12	1/4	2,731.85	1/4	2,388.57
1/2		1/2		1/2	4,781.69	1/2	4,440.07	1/2	4,097.51	1/2	3,754.33	1/2	3,411.15	1/2	3,067.97	1/2	2,724.70	1/2	2,381.42
3/4		3/4		3/4	4,774.57	3/4	4,432.96	3/4	4,090.36	3/4	3,747.18	3/4	3,404.00	3/4	3,060.82	3/4	2,717.55	3/4	2,374.27
6		6		6	4,767.46	6	4,425.84	6	4,083.21	6	3,740.03	6	3,396.85	6	3,053.67	6	2,710.40	6	2,367.12
1/4		1/4	5,075.14	1/4	4,760.34	1/4	4,418.72	1/4	4,076.06	1/4	3,732.88	1/4	3,389.70	1/4	3,046.52	1/4	2,703.24	1/4	2,359.97
1/2		1/2	5,071.35	1/2	4,753.22	1/2	4,411.61	1/2	4,068.91	1/2	3,725.73	1/2	3,382.55	1/2	3,039.37	1/2	2,696.09	1/2	2,352.82
3/4		3/4	5,067.55	3/4	4,746.10	3/4	4,404.49	3/4	4,061.76	3/4	3,718.58	3/4	3,375.40	3/4	3,032.22	3/4	2,688.94	3/4	2,345.66
7		7	5,063.76	7	4,738.99	7	4,397.37	7	4,054.61	7	3,711.43	7	3,368.25	7	3,025.07	7	2,681.79	7	2,338.51
1/4		1/4	5,059.96	1/4	4,731.87	1/4	4,390.25	1/4	4,047.47	1/4	3,704.28	1/4	3,361.10	1/4	3,017.91	1/4	2,674.64	1/4	2,331.36
1/2		1/2	5,054.98	1/2	4,724.75	1/2	4,383.14	1/2	4,040.32	1/2	3,697.13	1/2	3,353.95	1/2	3,010.76	1/2	2,667.49	1/2	2,324.21
3/4		3/4	5,049.99	3/4	4,717.64	3/4	4,376.02	3/4	4,033.17	3/4	3,689.99	3/4	3,346.80	3/4	3,003.61	3/4	2,660.33	3/4	2,317.06
8		8	5,045.00	8	4,710.52	8	4,368.90	8	4,026.02	8	3,682.84	8	3,339.65	8	2,996.46	8	2,653.18	8	2,309.91
1/4		1/4	5,040.02	1/4	4,703.40	1/4	4,361.79	1/4	4,018.87	1/4	3,675.69	1/4	3,332.51	1/4	2,989.31	1/4	2,646.03	1/4	2,302.75
1/2		1/2	5,033.84	1/2	4,696.29	1/2	4,354.67	1/2	4,011.72	1/2	3,668.54	1/2	3,325.36	1/2	2,982.16	1/2	2,638.88	1/2	2,295.60
3/4		3/4	5,027.66	3/4	4,689.17	3/4	4,347.55	3/4	4,004.57	3/4	3,661.39	3/4	3,318.21	3/4	2,975.01	3/4	2,631.73	3/4	2,288.45
9		9	5,021.48	9	4,682.05	9	4,340.44	9	3,997.42	9	3,654.24	9	3,311.06	9	2,967.85	9	2,624.58	9	2,281.30
1/4		1/4	5,015.31	1/4	4,674.93	1/4	4,333.32	1/4	3,990.27	1/4	3,647.09	1/4	3,303.91	1/4	2,960.70	1/4	2,617.43	1/4	2,274.15
1/2		1/2	5,008.30	1/2	4,667.82	1/2	4,326.20	1/2	3,983.12	1/2	3,639.94	1/2	3,296.76	1/2	2,953.55	1/2	2,610.27	1/2	2,267.00
3/4		3/4	5,001.30	3/4	4,660.70	3/4	4,319.08	3/4	3,975.97	3/4	3,632.79	3/4	3,289.61	3/4	2,946.40	3/4	2,603.12	3/4	2,259.85
10		10	4,994.30	10	4,653.58	10	4,311.97	10	3,968.82	10	3,625.64	10	3,282.46	10	2,939.25	10	2,595.97	10	2,252.69
1/4		1/4	4,987.29	1/4	4,646.47	1/4	4,304.85	1/4	3,961.67	1/4	3,618.49	1/4	3,275.31	1/4	2,932.10	1/4	2,588.82	1/4	2,245.54
1/2		1/2	4,980.23	1/2	4,639.35	1/2	4,297.70	1/2	3,954.52	1/2	3,611.34	1/2	3,268.16	1/2	2,924.94	1/2	2,581.67	1/2	2,238.39
3/4		3/4	4,973.18	3/4	4,632.23	3/4	4,290.55	3/4	3,947.37	3/4	3,604.19	3/4	3,261.01	3/4	2,917.79	3/4	2,574.52	3/4	2,231.24
11		11	4,966.12	11	4,625.12	11	4,283.40	11	3,940.22	11	3,597.04	11	3,253.86	11	2,910.64	11	2,567.36	11	2,224.09
1/4		1/4	4,959.06	1/4	4,618.00	1/4	4,276.25	1/4	3,933.07	1/4	3,589.89	1/4	3,246.71	1/4	2,903.49	1/4	2,560.21	1/4	2,216.94
1/2		1/2	4,951.99	1/2	4,610.88	1/2	4,269.10	1/2	3,925.92	1/2	3,582.74	1/2	3,239.56	1/2	2,896.34	1/2	2,553.06	1/2	2,209.78
3/4		3/4	4,944.92	3/4	4,603.76	3/4	4,261.95	3/4	3,918.77	3/4	3,575.59	3/4	3,232.41	3/4	2,889.19	3/4	2,545.91	3/4	2,202.63

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 ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" 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 "HSM 3318"

formerly the
BARGE "FMT 3318"

2 PORT
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,195.48	0	1,852.20	0	1,508.93	0	1,165.65	0	835.44	0	493.61	0	150.34	0		0		0	
1/4	2,188.33	1/4	1,845.05	1/4	1,501.78	1/4	1,158.50	1/4	828.59	1/4	486.46	1/4	143.19	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,181.18	1/2	1,837.90	1/2	1,494.62	1/2	1,151.35	1/2	821.72	1/2	479.31	1/2	136.04	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,174.03	3/4	1,830.75	3/4	1,487.47	3/4	1,144.20	3/4	814.86	3/4	472.15	3/4	128.89	3/4	3/4	3/4	3/4	3/4	3/4
1	2,166.87	1	1,823.60	1	1,480.32	1	1,137.04	1	807.99	1	465.00	1	121.74	1	1	1	1	1	1
1/4	2,159.72	1/4	1,816.45	1/4	1,473.17	1/4	1,129.89	1/4	801.12	1/4	457.85	1/4	114.59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,152.57	1/2	1,809.29	1/2	1,466.02	1/2	1,123.02	1/2	793.97	1/2	450.70	1/2	107.45	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,145.42	3/4	1,802.14	3/4	1,458.87	3/4	1,116.15	3/4	786.82	3/4	443.55	3/4	100.31	3/4	3/4	3/4	3/4	3/4	3/4
2	2,138.27	2	1,794.99	2	1,451.71	2	1,109.28	2	779.66	2	436.40	2	93.17	2	2	2	2	2	2
1/4	2,131.12	1/4	1,787.84	1/4	1,444.56	1/4	1,102.42	1/4	772.51	1/4	429.25	1/4	86.03	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,123.96	1/2	1,780.69	1/2	1,437.41	1/2	1,095.56	1/2	765.36	1/2	422.09	1/2	78.91	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,116.81	3/4	1,773.54	3/4	1,430.26	3/4	1,088.71	3/4	758.21	3/4	414.94	3/4	71.80	3/4	3/4	3/4	3/4	3/4	3/4
3	2,109.66	3	1,766.38	3	1,423.11	3	1,081.86	3	751.06	3	407.79	3	64.68	3	3	3	3	3	3
1/4	2,102.51	1/4	1,759.23	1/4	1,415.96	1/4	1,075.01	1/4	743.91	1/4	400.64	1/4	57.57	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,095.36	1/2	1,752.08	1/2	1,408.80	1/2	1,068.16	1/2	736.76	1/2	393.49	1/2	51.31	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,088.21	3/4	1,744.93	3/4	1,401.65	3/4	1,061.32	3/4	729.60	3/4	386.34	3/4	45.05	3/4	3/4	3/4	3/4	3/4	3/4
4	2,081.06	4	1,737.78	4	1,394.50	4	1,054.47	4	722.45	4	379.19	4	38.80	4	4	4	4	4	4
1/4	2,073.90	1/4	1,730.63	1/4	1,387.35	1/4	1,047.63	1/4	715.30	1/4	372.03	1/4	32.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,066.75	1/2	1,723.48	1/2	1,380.20	1/2	1,040.79	1/2	708.15	1/2	364.88	1/2	28.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,059.60	3/4	1,716.32	3/4	1,373.05	3/4	1,033.94	3/4	701.00	3/4	357.73	3/4	23.60	3/4	3/4	3/4	3/4	3/4	3/4
5	2,052.45	5	1,709.17	5	1,365.90	5	1,027.10	5	693.85	5	350.58	5	19.13	5	5	5	5	5	5
1/4	2,045.30	1/4	1,702.02	1/4	1,358.74	1/4	1,020.25	1/4	686.70	1/4	343.43	1/4	14.67	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,038.15	1/2	1,694.87	1/2	1,351.59	1/2	1,013.41	1/2	679.54	1/2	336.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,030.99	3/4	1,687.72	3/4	1,344.44	3/4	1,006.57	3/4	672.39	3/4	329.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,023.84	6	1,680.57	6	1,337.29	6	999.72	6	665.24	6	321.97	6	6	6	6	6	6	6	6
1/4	2,016.69	1/4	1,673.41	1/4	1,330.14	1/4	992.88	1/4	658.09	1/4	314.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,009.54	1/2	1,666.26	1/2	1,322.99	1/2	986.03	1/2	650.94	1/2	307.67	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,002.39	3/4	1,659.11	3/4	1,315.83	3/4	979.19	3/4	643.79	3/4	300.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,995.24	7	1,651.96	7	1,308.68	7	972.35	7	636.64	7	293.37	7	7	7	7	7	7	7	7
1/4	1,988.08	1/4	1,644.81	1/4	1,301.53	1/4	965.50	1/4	629.48	1/4	286.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,980.93	1/2	1,637.66	1/2	1,294.38	1/2	958.66	1/2	622.33	1/2	279.07	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,973.78	3/4	1,630.50	3/4	1,287.23	3/4	951.81	3/4	615.18	3/4	271.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,966.63	8	1,623.35	8	1,280.08	8	944.97	8	608.03	8	264.76	8	8	8	8	8	8	8	8
1/4	1,959.48	1/4	1,616.20	1/4	1,272.92	1/4	938.13	1/4	600.88	1/4	257.61	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,952.33	1/2	1,609.05	1/2	1,265.77	1/2	931.28	1/2	593.73	1/2	250.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,945.17	3/4	1,601.90	3/4	1,258.62	3/4	924.44	3/4	586.58	3/4	243.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,938.02	9	1,594.75	9	1,251.47	9	917.59	9	579.42	9	236.16	9	9	9	9	9	9	9	9
1/4	1,930.87	1/4	1,587.59	1/4	1,244.32	1/4	910.75	1/4	572.27	1/4	229.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,923.72	1/2	1,580.44	1/2	1,237.17	1/2	903.91	1/2	565.12	1/2	221.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,916.57	3/4	1,573.29	3/4	1,230.01	3/4	897.06	3/4	557.97	3/4	214.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,909.42	10	1,566.14	10	1,222.86	10	890.22	10	550.82	10	207.55	10	10	10	10	10	10	10	10
1/4	1,902.27	1/4	1,558.99	1/4	1,215.71	1/4	883.38	1/4	543.67	1/4	200.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,895.11	1/2	1,551.84	1/2	1,208.56	1/2	876.53	1/2	536.52	1/2	193.25	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,887.96	3/4	1,544.69	3/4	1,201.41	3/4	869.69	3/4	529.37	3/4	186.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,880.81	11	1,537.53	11	1,194.26	11	862.84	11	522.21	11	178.95	11	11	11	11	11	11	11	11
1/4	1,873.66	1/4	1,530.38	1/4	1,187.11	1/4	856.00	1/4	515.06	1/4	171.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,866.51	1/2	1,523.23	1/2	1,179.95	1/2	849.15	1/2	507.91	1/2	164.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,859.36	3/4	1,516.08	3/4	1,172.80	3/4	842.30	3/4	500.76	3/4	157.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

2 STBD
ULLAGE TABLE

HERMETIC
GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0	4,942.26	0	4,600.58	0	4,258.29	0	3,914.72	0	3,571.19	0	3,227.72	0	2,884.20	0	2,540.63		
1/4	1/4	1/4	1/4	1/4	4,935.18	1/4	4,593.46	1/4	4,251.13	1/4	3,907.56	1/4	3,564.03	1/4	3,220.56	1/4	2,877.04	1/4	2,533.47		
1/2	1/2	1/2	1/2	1/2	4,928.10	1/2	4,586.33	1/2	4,243.97	1/2	3,900.40	1/2	3,556.87	1/2	3,213.41	1/2	2,869.88	1/2	2,526.31		
3/4	3/4	3/4	3/4	3/4	4,921.03	3/4	4,579.21	3/4	4,236.82	3/4	3,893.25	3/4	3,549.72	3/4	3,206.25	3/4	2,862.72	3/4	2,519.15		
1	1	1	1	1	4,913.95	1	4,572.08	1	4,229.66	1	3,886.09	1	3,542.56	1	3,199.09	1	2,855.56	1	2,511.99		
1/4	1/4	1/4	1/4	1/4	4,906.87	1/4	4,564.96	1/4	4,222.50	1/4	3,878.93	1/4	3,535.41	1/4	3,191.94	1/4	2,848.41	1/4	2,504.84		
1/2	1/2	1/2	1/2	1/2	4,899.79	1/2	4,557.83	1/2	4,215.34	1/2	3,871.77	1/2	3,528.25	1/2	3,184.78	1/2	2,841.25	1/2	2,497.68		
3/4	3/4	3/4	3/4	3/4	4,892.71	3/4	4,550.71	3/4	4,208.18	3/4	3,864.62	3/4	3,521.10	3/4	3,177.63	3/4	2,834.09	3/4	2,490.52		
2	2	2	2	2	4,885.58	2	4,543.58	2	4,201.03	2	3,857.46	2	3,513.94	2	3,170.47	2	2,826.93	2	2,483.36		
1/4	1/4	1/4	1/4	1/4	4,878.46	1/4	4,536.46	1/4	4,193.87	1/4	3,850.30	1/4	3,506.78	1/4	3,163.32	1/4	2,819.78	1/4	2,476.21		
1/2	1/2	1/2	1/2	1/2	4,871.33	1/2	4,529.33	1/2	4,186.71	1/2	3,843.14	1/2	3,499.63	1/2	3,156.16	1/2	2,812.62	1/2	2,469.05		
3/4	3/4	3/4	3/4	3/4	4,864.21	3/4	4,522.21	3/4	4,179.55	3/4	3,835.98	3/4	3,492.47	3/4	3,149.00	3/4	2,805.46	3/4	2,461.89		
3	3	3	3	3	4,857.08	3	4,515.08	3	4,172.40	3	3,828.83	3	3,485.32	3	3,141.85	3	2,798.30	3	2,454.73		
1/4	1/4	1/4	1/4	1/4	4,849.96	1/4	4,507.96	1/4	4,165.24	1/4	3,821.67	1/4	3,478.16	1/4	3,134.69	1/4	2,791.14	1/4	2,447.58		
1/2	1/2	1/2	1/2	1/2	4,842.83	1/2	4,500.83	1/2	4,158.08	1/2	3,814.51	1/2	3,471.01	1/2	3,127.54	1/2	2,783.99	1/2	2,440.42		
3/4	3/4	3/4	3/4	3/4	4,835.71	3/4	4,493.71	3/4	4,150.92	3/4	3,807.35	3/4	3,463.85	3/4	3,120.38	3/4	2,776.83	3/4	2,433.26		
4	4	4	4	4	4,828.58	4	4,486.58	4	4,143.77	4	3,800.20	4	3,456.70	4	3,113.23	4	2,769.67	4	2,426.10		
1/4	1/4	1/4	1/4	1/4	4,821.46	1/4	4,479.46	1/4	4,136.61	1/4	3,793.04	1/4	3,449.54	1/4	3,106.07	1/4	2,762.51	1/4	2,418.94		
1/2	1/2	1/2	1/2	1/2	4,814.33	1/2	4,472.33	1/2	4,129.45	1/2	3,785.88	1/2	3,442.38	1/2	3,098.92	1/2	2,755.36	1/2	2,411.79		
3/4	3/4	3/4	3/4	3/4	4,807.21	3/4	4,465.21	3/4	4,122.29	3/4	3,778.72	3/4	3,435.23	3/4	3,091.76	3/4	2,748.20	3/4	2,404.63		
5	5	5	5	5	4,800.08	5	4,458.08	5	4,115.13	5	3,771.57	5	3,428.07	5	3,084.60	5	2,741.04	5	2,397.47		
1/4	1/4	1/4	1/4	1/4	4,792.96	1/4	4,450.96	1/4	4,107.98	1/4	3,764.41	1/4	3,420.92	1/4	3,077.45	1/4	2,733.88	1/4	2,390.31		
1/2	1/2	1/2	1/2	1/2	4,785.83	1/2	4,443.83	1/2	4,100.82	1/2	3,757.25	1/2	3,413.76	1/2	3,070.29	1/2	2,726.73	1/2	2,383.16		
3/4	3/4	3/4	3/4	3/4	5,093.87	3/4	4,778.71	3/4	4,436.71	3/4	4,093.66	3/4	3,750.09	3/4	3,406.61	3/4	3,063.14	3/4	2,719.57	3/4	2,376.00
6	6	6	6	6	5,090.07	6	4,771.58	6	4,429.58	6	4,086.50	6	3,742.93	6	3,399.45	6	3,055.98	6	2,712.41	6	2,368.84
1/4	1/4	1/4	1/4	1/4	5,086.27	1/4	4,764.46	1/4	4,422.46	1/4	4,079.35	1/4	3,735.78	1/4	3,392.30	1/4	3,048.82	1/4	2,705.25	1/4	2,361.68
1/2	1/2	1/2	1/2	1/2	5,082.47	1/2	4,757.33	1/2	4,415.33	1/2	4,072.19	1/2	3,728.62	1/2	3,385.14	1/2	3,041.66	1/2	2,698.09	1/2	2,354.53
3/4	3/4	3/4	3/4	3/4	5,078.67	3/4	4,750.21	3/4	4,408.21	3/4	4,065.03	3/4	3,721.46	3/4	3,377.98	3/4	3,034.51	3/4	2,690.94	3/4	2,347.37
7	7	7	7	7	5,073.68	7	4,743.08	7	4,401.08	7	4,057.87	7	3,714.30	7	3,370.83	7	3,027.35	7	2,683.78	7	2,340.21
1/4	1/4	1/4	1/4	1/4	5,068.69	1/4	4,735.96	1/4	4,393.96	1/4	4,050.72	1/4	3,707.15	1/4	3,363.67	1/4	3,020.19	1/4	2,676.62	1/4	2,333.05
1/2	1/2	1/2	1/2	1/2	5,063.70	1/2	4,728.83	1/2	4,386.83	1/2	4,043.56	1/2	3,699.99	1/2	3,356.52	1/2	3,013.03	1/2	2,669.46	1/2	2,325.89
3/4	3/4	3/4	3/4	3/4	5,058.70	3/4	4,721.71	3/4	4,379.71	3/4	4,036.40	3/4	3,692.83	3/4	3,349.36	3/4	3,005.88	3/4	2,662.31	3/4	2,318.74
8	8	8	8	8	5,052.52	8	4,714.58	8	4,372.58	8	4,029.24	8	3,685.67	8	3,342.21	8	2,998.72	8	2,655.15	8	2,311.58
1/4	1/4	1/4	1/4	1/4	5,046.33	1/4	4,707.46	1/4	4,365.46	1/4	4,022.08	1/4	3,678.52	1/4	3,335.05	1/4	2,991.56	1/4	2,647.99	1/4	2,304.42
1/2	1/2	1/2	1/2	1/2	5,040.15	1/2	4,700.33	1/2	4,358.33	1/2	4,014.93	1/2	3,671.36	1/2	3,327.89	1/2	2,984.40	1/2	2,640.83	1/2	2,297.26
3/4	3/4	3/4	3/4	3/4	5,033.96	3/4	4,693.21	3/4	4,351.21	3/4	4,007.77	3/4	3,664.21	3/4	3,320.74	3/4	2,977.25	3/4	2,633.68	3/4	2,290.11
9	9	9	9	9	5,026.95	9	4,686.08	9	4,344.08	9	4,000.61	9	3,657.05	9	3,313.58	9	2,970.09	9	2,626.52	9	2,282.95
1/4	1/4	1/4	1/4	1/4	5,019.94	1/4	4,678.96	1/4	4,336.96	1/4	3,993.45	1/4	3,649.90	1/4	3,306.43	1/4	2,962.93	1/4	2,619.36	1/4	2,275.79
1/2	1/2	1/2	1/2	1/2	5,012.93	1/2	4,671.83	1/2	4,329.83	1/2	3,986.30	1/2	3,642.74	1/2	3,299.27	1/2	2,955.77	1/2	2,612.20	1/2	2,268.63
3/4	3/4	3/4	3/4	3/4	5,005.92	3/4	4,664.71	3/4	4,322.71	3/4	3,979.14	3/4	3,635.59	3/4	3,292.12	3/4	2,948.61	3/4	2,605.04	3/4	2,261.48
10	10	10	10	10	4,998.85	10	4,657.58	10	4,315.55	10	3,971.98	10	3,628.43	10	3,284.96	10	2,941.46	10	2,597.89	10	2,254.32
1/4	1/4	1/4	1/4	1/4	4,991.79	1/4	4,650.46	1/4	4,308.39	1/4	3,964.82	1/4	3,621.27	1/4	3,277.81	1/4	2,934.30	1/4	2,590.73	1/4	2,247.16
1/2	1/2	1/2	1/2	1/2	4,984.72	1/2	4,643.33	1/2	4,301.23	1/2	3,957.67	1/2	3,614.12	1/2	3,270.65	1/2	2,927.14	1/2	2,583.57	1/2	2,240.00
3/4	3/4	3/4	3/4	3/4	4,977.66	3/4	4,636.21	3/4	4,294.08	3/4	3,950.51	3/4	3,606.96	3/4	3,263.49	3/4	2,919.98	3/4	2,576.41	3/4	2,232.84
11	11	11	11	11	4,970.58	11	4,629.08	11	4,286.92	11	3,943.35	11	3,599.81	11	3,256.34	11	2,912.83	11	2,569.26	11	2,225.69
1/4	1/4	1/4	1/4	1/4	4,963.50	1/4	4,621.96	1/4	4,279.76	1/4	3,936.19	1/4	3,592.65	1/4	3,249.18	1/4	2,905.67	1/4	2,562.10	1/4	2,218.53
1/2	1/2	1/2	1/2	1/2	4,956.42	1/2	4,614.83	1/2	4,272.60	1/2	3,929.03	1/2	3,585.50	1/2	3,242.03	1/2	2,898.51	1/2	2,554.94	1/2	2,211.37
3/4	3/4	3/4	3/4	3/4	4,949.34	3/4	4,607.71	3/4	4,265.45	3/4	3,921.88	3/4	3,578.34	3/4	3,234.87	3/4	2,891.35	3/4	2,547.78	3/4	2,204.21

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 ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" 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 "HSM 3318"

formerly the
BARGE "FMT 3318"

2 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,197.06	0	1,853.49	0	1,509.92	0	1,166.35	0	823.27	0	479.72	0	136.16	0		0		0	
1/4	2,189.90	1/4	1,846.33	1/4	1,502.76	1/4	1,159.19	1/4	816.12	1/4	472.56	1/4	129.01	1/4	1/4	1/4		1/4	
1/2	2,182.74	1/2	1,839.17	1/2	1,495.60	1/2	1,152.03	1/2	808.96	1/2	465.40	1/2	121.85	1/2	1/2	1/2		1/2	
3/4	2,175.58	3/4	1,832.01	3/4	1,488.44	3/4	1,144.87	3/4	801.80	3/4	458.25	3/4	114.70	3/4	3/4	3/4		3/4	
1	2,168.43	1	1,824.86	1	1,481.29	1	1,137.72	1	794.64	1	451.09	1	107.55	1	1	1		1	
1/4	2,161.27	1/4	1,817.70	1/4	1,474.13	1/4	1,130.56	1/4	787.49	1/4	443.93	1/4	100.40	1/4	1/4	1/4		1/4	
1/2	2,154.11	1/2	1,810.54	1/2	1,466.97	1/2	1,123.40	1/2	780.33	1/2	436.77	1/2	93.26	1/2	1/2	1/2		1/2	
3/4	2,146.95	3/4	1,803.38	3/4	1,459.81	3/4	1,116.24	3/4	773.17	3/4	429.62	3/4	86.11	3/4	3/4	3/4		3/4	
2	2,139.79	2	1,796.22	2	1,452.66	2	1,109.09	2	766.01	2	422.46	2	78.99	2	2	2		2	
1/4	2,132.64	1/4	1,789.07	1/4	1,445.50	1/4	1,101.94	1/4	758.86	1/4	415.30	1/4	71.87	1/4	1/4	1/4		1/4	
1/2	2,125.48	1/2	1,781.91	1/2	1,438.34	1/2	1,094.79	1/2	751.70	1/2	408.14	1/2	64.75	1/2	1/2	1/2		1/2	
3/4	2,118.32	3/4	1,774.75	3/4	1,431.18	3/4	1,087.64	3/4	744.54	3/4	400.99	3/4	57.62	3/4	3/4	3/4		3/4	
3	2,111.16	3	1,767.59	3	1,424.02	3	1,080.49	3	737.38	3	393.83	3	51.36	3	3	3		3	
1/4	2,104.01	1/4	1,760.44	1/4	1,416.87	1/4	1,073.35	1/4	730.23	1/4	386.67	1/4	45.10	1/4	1/4	1/4		1/4	
1/2	2,096.85	1/2	1,753.28	1/2	1,409.71	1/2	1,066.21	1/2	723.07	1/2	379.51	1/2	38.84	1/2	1/2	1/2		1/2	
3/4	2,089.69	3/4	1,746.12	3/4	1,402.55	3/4	1,059.06	3/4	715.91	3/4	372.36	3/4	32.58	3/4	3/4	3/4		3/4	
4	2,082.53	4	1,738.96	4	1,395.39	4	1,051.92	4	708.76	4	365.20	4	28.11	4	4	4		4	
1/4	2,075.37	1/4	1,731.81	1/4	1,388.24	1/4	1,044.77	1/4	701.60	1/4	358.04	1/4	23.63	1/4	1/4	1/4		1/4	
1/2	2,068.22	1/2	1,724.65	1/2	1,381.08	1/2	1,037.63	1/2	694.44	1/2	350.89	1/2	19.16	1/2	1/2	1/2		1/2	
3/4	2,061.06	3/4	1,717.49	3/4	1,373.92	3/4	1,030.49	3/4	687.28	3/4	343.73	3/4	14.68	3/4	3/4	3/4		3/4	
5	2,053.90	5	1,710.33	5	1,366.76	5	1,023.34	5	680.13	5	336.57	5		5	5	5		5	
1/4	2,046.74	1/4	1,703.17	1/4	1,359.60	1/4	1,016.20	1/4	672.97	1/4	329.41	1/4		1/4	1/4	1/4		1/4	
1/2	2,039.59	1/2	1,696.02	1/2	1,352.45	1/2	1,009.06	1/2	665.81	1/2	322.26	1/2		1/2	1/2	1/2		1/2	
3/4	2,032.43	3/4	1,688.86	3/4	1,345.29	3/4	1,001.91	3/4	658.65	3/4	315.10	3/4		3/4	3/4	3/4		3/4	
6	2,025.27	6	1,681.70	6	1,338.13	6	994.77	6	651.50	6	307.94	6		6	6	6		6	
1/4	2,018.11	1/4	1,674.54	1/4	1,330.97	1/4	987.63	1/4	644.34	1/4	300.78	1/4		1/4	1/4	1/4		1/4	
1/2	2,010.96	1/2	1,667.39	1/2	1,323.82	1/2	980.48	1/2	637.18	1/2	293.63	1/2		1/2	1/2	1/2		1/2	
3/4	2,003.80	3/4	1,660.23	3/4	1,316.66	3/4	973.34	3/4	630.02	3/4	286.47	3/4		3/4	3/4	3/4		3/4	
7	1,996.64	7	1,653.07	7	1,309.50	7	966.19	7	622.87	7	279.31	7		7	7	7		7	
1/4	1,989.48	1/4	1,645.91	1/4	1,302.34	1/4	959.05	1/4	615.71	1/4	272.15	1/4		1/4	1/4	1/4		1/4	
1/2	1,982.32	1/2	1,638.76	1/2	1,295.19	1/2	951.91	1/2	608.55	1/2	265.00	1/2		1/2	1/2	1/2		1/2	
3/4	1,975.17	3/4	1,631.60	3/4	1,288.03	3/4	944.76	3/4	601.39	3/4	257.84	3/4		3/4	3/4	3/4		3/4	
8	1,968.01	8	1,624.44	8	1,280.87	8	937.62	8	594.24	8	250.68	8		8	8	8		8	
1/4	1,960.85	1/4	1,617.28	1/4	1,273.71	1/4	930.48	1/4	587.08	1/4	243.52	1/4		1/4	1/4	1/4		1/4	
1/2	1,953.69	1/2	1,610.12	1/2	1,266.55	1/2	923.33	1/2	579.92	1/2	236.37	1/2		1/2	1/2	1/2		1/2	
3/4	1,946.54	3/4	1,602.97	3/4	1,259.40	3/4	916.19	3/4	572.76	3/4	229.21	3/4		3/4	3/4	3/4		3/4	
9	1,939.38	9	1,595.81	9	1,252.24	9	909.05	9	565.61	9	222.05	9		9	9	9		9	
1/4	1,932.22	1/4	1,588.65	1/4	1,245.08	1/4	901.90	1/4	558.45	1/4	214.89	1/4		1/4	1/4	1/4		1/4	
1/2	1,925.06	1/2	1,581.49	1/2	1,237.92	1/2	894.76	1/2	551.29	1/2	207.74	1/2		1/2	1/2	1/2		1/2	
3/4	1,917.91	3/4	1,574.34	3/4	1,230.77	3/4	887.62	3/4	544.14	3/4	200.58	3/4		3/4	3/4	3/4		3/4	
10	1,910.75	10	1,567.18	10	1,223.61	10	880.47	10	536.98	10	193.42	10		10	10	10		10	
1/4	1,903.59	1/4	1,560.02	1/4	1,216.45	1/4	873.33	1/4	529.82	1/4	186.27	1/4		1/4	1/4	1/4		1/4	
1/2	1,896.43	1/2	1,552.86	1/2	1,209.29	1/2	866.19	1/2	522.66	1/2	179.11	1/2		1/2	1/2	1/2		1/2	
3/4	1,889.27	3/4	1,545.71	3/4	1,202.14	3/4	859.04	3/4	515.51	3/4	171.95	3/4		3/4	3/4	3/4		3/4	
11	1,882.12	11	1,538.55	11	1,194.98	11	851.89	11	508.35	11	164.79	11		11	11	11		11	
1/4	1,874.96	1/4	1,531.39	1/4	1,187.82	1/4	844.74	1/4	501.19	1/4	157.64	1/4		1/4	1/4	1/4		1/4	
1/2	1,867.80	1/2	1,524.23	1/2	1,180.66	1/2	837.58	1/2	494.03	1/2	150.48	1/2		1/2	1/2	1/2		1/2	
3/4	1,860.64	3/4	1,517.07	3/4	1,173.50	3/4	830.43	3/4	486.88	3/4	143.32	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

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



CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

3 PORT
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,183.57	0	1,841.20	0	1,498.84	0	1,156.47	0	827.38	0	485.88	0	143.08	0		0			
1/4	2,176.43	1/4	1,834.07	1/4	1,491.70	1/4	1,149.34	1/4	820.47	1/4	478.74	1/4	135.93	1/4	1/4				
1/2	2,169.30	1/2	1,826.94	1/2	1,484.57	1/2	1,142.21	1/2	813.57	1/2	471.61	1/2	128.79	1/2	1/2				
3/4	2,162.17	3/4	1,819.80	3/4	1,477.44	3/4	1,135.07	3/4	806.67	3/4	464.48	3/4	121.64	3/4	3/4				
1	2,155.04	1	1,812.67	1	1,470.31	1	1,127.94	1	799.77	1	457.34	1	114.50	1	1				
1/4	2,147.90	1/4	1,805.54	1/4	1,463.17	1/4	1,121.04	1/4	792.63	1/4	450.21	1/4	107.36	1/4	1/4				
1/2	2,140.77	1/2	1,798.41	1/2	1,456.04	1/2	1,114.14	1/2	785.50	1/2	443.07	1/2	100.23	1/2	1/2				
3/4	2,133.64	3/4	1,791.27	3/4	1,448.91	3/4	1,107.24	3/4	778.37	3/4	435.94	3/4	93.09	3/4	3/4				
2	2,126.51	2	1,784.14	2	1,441.78	2	1,100.34	2	771.23	2	428.81	2	85.96	2	2				
1/4	2,119.37	1/4	1,777.01	1/4	1,434.64	1/4	1,093.51	1/4	764.10	1/4	421.67	1/4	78.85	1/4	1/4				
1/2	2,112.24	1/2	1,769.88	1/2	1,427.51	1/2	1,086.68	1/2	756.97	1/2	414.54	1/2	71.74	1/2	1/2				
3/4	2,105.11	3/4	1,762.74	3/4	1,420.38	3/4	1,079.85	3/4	749.83	3/4	407.40	3/4	64.63	3/4	3/4				
3	2,097.98	3	1,755.61	3	1,413.25	3	1,073.02	3	742.70	3	400.27	3	57.52	3	3				
1/4	2,090.84	1/4	1,748.48	1/4	1,406.11	1/4	1,066.19	1/4	735.56	1/4	393.14	1/4	51.27	1/4	1/4				
1/2	2,083.71	1/2	1,741.35	1/2	1,398.98	1/2	1,059.37	1/2	728.43	1/2	386.00	1/2	45.02	1/2	1/2				
3/4	2,076.58	3/4	1,734.21	3/4	1,391.85	3/4	1,052.55	3/4	721.30	3/4	378.87	3/4	38.77	3/4	3/4				
4	2,069.45	4	1,727.08	4	1,384.72	4	1,045.73	4	714.16	4	371.73	4	32.52	4	4				
1/4	2,062.31	1/4	1,719.95	1/4	1,377.58	1/4	1,038.90	1/4	707.03	1/4	364.59	1/4	28.05	1/4	1/4				
1/2	2,055.18	1/2	1,712.82	1/2	1,370.45	1/2	1,032.08	1/2	699.89	1/2	357.44	1/2	23.59	1/2	1/2				
3/4	2,048.05	3/4	1,705.68	3/4	1,363.32	3/4	1,025.26	3/4	692.76	3/4	350.30	3/4	19.12	3/4	3/4				
5	2,040.91	5	1,698.55	5	1,356.19	5	1,018.44	5	685.63	5	343.15	5	14.66	5	5				
1/4	2,033.78	1/4	1,691.42	1/4	1,349.05	1/4	1,011.61	1/4	678.49	1/4	336.01	1/4		1/4	1/4				
1/2	2,026.65	1/2	1,684.28	1/2	1,341.92	1/2	1,004.79	1/2	671.36	1/2	328.86	1/2		1/2	1/2				
3/4	2,019.52	3/4	1,677.15	3/4	1,334.79	3/4	997.97	3/4	664.22	3/4	321.72	3/4		3/4	3/4				
6	2,012.38	6	1,670.02	6	1,327.65	6	991.15	6	657.09	6	314.57	6		6	6				
1/4	2,005.25	1/4	1,662.89	1/4	1,320.52	1/4	984.32	1/4	649.96	1/4	307.42	1/4		1/4	1/4				
1/2	1,998.12	1/2	1,655.75	1/2	1,313.39	1/2	977.50	1/2	642.82	1/2	300.28	1/2		1/2	1/2				
3/4	1,990.99	3/4	1,648.62	3/4	1,306.26	3/4	970.68	3/4	635.69	3/4	293.13	3/4		3/4	3/4				
7	1,983.85	7	1,641.49	7	1,299.12	7	963.86	7	628.56	7	285.99	7		7	7				
1/4	1,976.72	1/4	1,634.36	1/4	1,291.99	1/4	957.03	1/4	621.42	1/4	278.84	1/4		1/4	1/4				
1/2	1,969.59	1/2	1,627.22	1/2	1,284.86	1/2	950.21	1/2	614.29	1/2	271.70	1/2		1/2	1/2				
3/4	1,962.46	3/4	1,620.09	3/4	1,277.73	3/4	943.39	3/4	607.15	3/4	264.55	3/4		3/4	3/4				
8	1,955.32	8	1,612.96	8	1,270.59	8	936.56	8	600.02	8	257.41	8		8	8				
1/4	1,948.19	1/4	1,605.83	1/4	1,263.46	1/4	929.74	1/4	592.89	1/4	250.26	1/4		1/4	1/4				
1/2	1,941.06	1/2	1,598.69	1/2	1,256.33	1/2	922.92	1/2	585.75	1/2	243.11	1/2		1/2	1/2				
3/4	1,933.93	3/4	1,591.56	3/4	1,249.20	3/4	916.10	3/4	578.62	3/4	235.97	3/4		3/4	3/4				
9	1,926.79	9	1,584.43	9	1,242.06	9	909.28	9	571.48	9	228.82	9		9	9				
1/4	1,919.66	1/4	1,577.30	1/4	1,234.93	1/4	902.45	1/4	564.35	1/4	221.68	1/4		1/4	1/4				
1/2	1,912.53	1/2	1,570.16	1/2	1,227.80	1/2	895.63	1/2	557.22	1/2	214.53	1/2		1/2	1/2				
3/4	1,905.40	3/4	1,563.03	3/4	1,220.67	3/4	888.81	3/4	550.08	3/4	207.39	3/4		3/4	3/4				
10	1,898.26	10	1,555.90	10	1,213.53	10	881.99	10	542.95	10	200.24	10		10	10				
1/4	1,891.13	1/4	1,548.77	1/4	1,206.40	1/4	875.17	1/4	535.81	1/4	193.09	1/4		1/4	1/4				
1/2	1,884.00	1/2	1,541.63	1/2	1,199.27	1/2	868.34	1/2	528.68	1/2	185.95	1/2		1/2	1/2				
3/4	1,876.87	3/4	1,534.50	3/4	1,192.14	3/4	861.52	3/4	521.55	3/4	178.80	3/4		3/4	3/4				
11	1,869.73	11	1,527.37	11	1,185.00	11	854.70	11	514.41	11	171.66	11		11	11				
1/4	1,862.60	1/4	1,520.24	1/4	1,177.87	1/4	847.87	1/4	507.28	1/4	164.51	1/4		1/4	1/4				
1/2	1,855.47	1/2	1,513.10	1/2	1,170.74	1/2	841.04	1/2	500.15	1/2	157.37	1/2		1/2	1/2				
3/4	1,848.33	3/4	1,505.97	3/4	1,163.61	3/4	834.21	3/4	493.01	3/4	150.22	3/4		3/4	3/4				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
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PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

3 STBD
ULLAGE TABLE

HERMETIC
GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,315.41	0	4,106.76	0	3,897.74	0	3,687.98	0	3,478.21	0	3,211.61	0	2,870.64	0	2,529.24
1/4	1/4	1/4	1/4	1/4	4,311.09	1/4	4,102.41	1/4	3,893.37	1/4	3,683.61	1/4	3,473.84	1/4	3,204.52	1/4	2,863.54	1/4	2,522.11
1/2	1/2	1/2	1/2	1/2	4,306.76	1/2	4,098.06	1/2	3,889.00	1/2	3,679.24	1/2	3,469.47	1/2	3,197.43	1/2	2,856.43	1/2	2,514.98
3/4	3/4	3/4	3/4	3/4	4,302.44	3/4	4,093.71	3/4	3,884.63	3/4	3,674.87	3/4	3,465.10	3/4	3,190.34	3/4	2,849.32	3/4	2,507.86
1		1		1	4,298.12	1	4,089.36	1	3,880.26	1	3,670.50	1	3,460.73	1	3,183.25	1	2,842.21	1	2,500.73
1/4	1/4	1/4	1/4	1/4	4,293.80	1/4	4,085.01	1/4	3,875.89	1/4	3,666.13	1/4	3,456.36	1/4	3,176.16	1/4	2,835.11	1/4	2,493.61
1/2	1/2	1/2	1/2	1/2	4,289.47	1/2	4,080.65	1/2	3,871.52	1/2	3,661.75	1/2	3,451.99	1/2	3,169.07	1/2	2,828.00	1/2	2,486.48
3/4	3/4	3/4	3/4	3/4	4,285.15	3/4	4,076.30	3/4	3,867.15	3/4	3,657.38	3/4	3,447.62	3/4	3,161.98	3/4	2,820.89	3/4	2,479.35
2		2		2	4,280.80	2	4,071.95	2	3,862.78	2	3,653.01	2	3,443.25	2	3,154.89	2	2,813.79	2	2,472.23
1/4	1/4	1/4	1/4	1/4	4,276.45	1/4	4,067.60	1/4	3,858.41	1/4	3,648.64	1/4	3,438.88	1/4	3,147.80	1/4	2,806.68	1/4	2,465.10
1/2	1/2	1/2	1/2	1/2	4,272.10	1/2	4,063.25	1/2	3,854.04	1/2	3,644.27	1/2	3,434.51	1/2	3,140.71	1/2	2,799.57	1/2	2,457.98
3/4	3/4	3/4	3/4	3/4	4,267.75	3/4	4,058.90	3/4	3,849.67	3/4	3,639.90	3/4	3,430.14	3/4	3,133.62	3/4	2,792.46	3/4	2,450.85
3		3		3	4,263.40	3	4,054.55	3	3,845.30	3	3,635.53	3	3,425.77	3	3,126.51	3	2,785.36	3	2,443.73
1/4	1/4	1/4	1/4	1/4	4,259.05	1/4	4,050.20	1/4	3,840.93	1/4	3,631.16	1/4	3,421.40	1/4	3,119.40	1/4	2,778.25	1/4	2,436.60
1/2	1/2	1/2	1/2	1/2	4,254.69	1/2	4,045.85	1/2	3,836.56	1/2	3,626.79	1/2	3,417.03	1/2	3,112.30	1/2	2,771.14	1/2	2,429.47
3/4	3/4	3/4	3/4	3/4	4,250.34	3/4	4,041.50	3/4	3,832.19	3/4	3,622.42	3/4	3,412.66	3/4	3,105.19	3/4	2,764.03	3/4	2,422.35
4		4		4	4,245.99	4	4,037.14	4	3,827.82	4	3,618.05	4	3,408.29	4	3,098.08	4	2,756.93	4	2,415.22
1/4	1/4	1/4	1/4	1/4	4,241.64	1/4	4,032.79	1/4	3,823.45	1/4	3,613.68	1/4	3,403.92	1/4	3,090.97	1/4	2,749.82	1/4	2,408.10
1/2	1/2	1/2	1/2	1/2	4,237.29	1/2	4,028.44	1/2	3,819.08	1/2	3,609.31	1/2	3,399.55	1/2	3,083.87	1/2	2,742.71	1/2	2,400.97
3/4	3/4	3/4	3/4	3/4	4,232.94	3/4	4,024.09	3/4	3,814.71	3/4	3,604.94	3/4	3,395.18	3/4	3,076.76	3/4	2,735.60	3/4	2,393.85
5		5		5	4,228.59	5	4,019.74	5	3,810.34	5	3,600.57	5	3,390.84	5	3,069.65	5	2,728.50	5	2,386.72
1/4	1/4	1/4	1/4	1/4	4,224.24	1/4	4,015.39	1/4	3,805.97	1/4	3,596.20	1/4	3,386.51	1/4	3,062.54	1/4	2,721.39	1/4	2,379.60
1/2	1/2	1/2	1/2	1/2	4,219.89	1/2	4,011.04	1/2	3,801.60	1/2	3,591.83	1/2	3,382.18	1/2	3,055.44	1/2	2,714.28	1/2	2,372.47
3/4	3/4	3/4	3/4	3/4	4,400.81	3/4	4,215.54	3/4	4,006.69	3/4	3,797.23	3/4	3,587.46	3/4	3,377.84	3/4	3,048.33	3/4	2,707.17
6		6		6	4,399.10	6	4,211.18	6	4,002.34	6	3,792.86	6	3,583.09	6	3,373.51	6	3,041.22	6	2,700.07
1/4	1/4	1/4	1/4	1/4	4,397.40	1/4	4,206.83	1/4	3,997.99	1/4	3,788.49	1/4	3,578.72	1/4	3,369.17	1/4	3,034.11	1/4	2,692.96
1/2	1/2	1/2	1/2	1/2	4,395.69	1/2	4,202.48	1/2	3,993.63	1/2	3,784.12	1/2	3,574.35	1/2	3,364.84	1/2	3,027.01	1/2	2,685.85
3/4	3/4	3/4	3/4	3/4	4,393.98	3/4	4,198.13	3/4	3,989.28	3/4	3,779.75	3/4	3,569.98	3/4	3,360.50	3/4	3,019.90	3/4	2,678.74
7		7		7	4,391.74	7	4,193.78	7	3,984.93	7	3,775.38	7	3,565.61	7	3,353.41	7	3,012.79	7	2,671.64
1/4	1/4	1/4	1/4	1/4	4,389.49	1/4	4,189.43	1/4	3,980.58	1/4	3,771.01	1/4	3,561.24	1/4	3,346.32	1/4	3,005.68	1/4	2,664.53
1/2	1/2	1/2	1/2	1/2	4,387.25	1/2	4,185.08	1/2	3,976.23	1/2	3,766.64	1/2	3,556.87	1/2	3,339.23	1/2	2,998.58	1/2	2,657.42
3/4	3/4	3/4	3/4	3/4	4,385.00	3/4	4,180.73	3/4	3,971.88	3/4	3,762.27	3/4	3,552.50	3/4	3,332.14	3/4	2,991.47	3/4	2,650.31
8		8		8	4,381.57	8	4,176.38	8	3,967.53	8	3,757.90	8	3,548.13	8	3,325.05	8	2,984.36	8	2,643.21
1/4	1/4	1/4	1/4	1/4	4,378.13	1/4	4,172.03	1/4	3,963.18	1/4	3,753.53	1/4	3,543.76	1/4	3,317.96	1/4	2,977.26	1/4	2,636.10
1/2	1/2	1/2	1/2	1/2	4,374.70	1/2	4,167.67	1/2	3,958.83	1/2	3,749.16	1/2	3,539.39	1/2	3,310.87	1/2	2,970.15	1/2	2,628.99
3/4	3/4	3/4	3/4	3/4	4,371.27	3/4	4,163.32	3/4	3,954.48	3/4	3,744.79	3/4	3,535.02	3/4	3,303.78	3/4	2,963.04	3/4	2,621.89
9		9		9	4,367.01	9	4,158.97	9	3,950.12	9	3,740.42	9	3,530.65	9	3,296.69	9	2,955.93	9	2,614.76
1/4	1/4	1/4	1/4	1/4	4,362.76	1/4	4,154.62	1/4	3,945.77	1/4	3,736.05	1/4	3,526.28	1/4	3,289.60	1/4	2,948.83	1/4	2,607.63
1/2	1/2	1/2	1/2	1/2	4,358.50	1/2	4,150.27	1/2	3,941.42	1/2	3,731.68	1/2	3,521.91	1/2	3,282.51	1/2	2,941.72	1/2	2,600.50
3/4	3/4	3/4	3/4	3/4	4,354.25	3/4	4,145.92	3/4	3,937.07	3/4	3,727.31	3/4	3,517.54	3/4	3,275.42	3/4	2,934.61	3/4	2,593.38
10		10		10	4,349.94	10	4,141.57	10	3,932.70	10	3,722.94	10	3,513.17	10	3,268.33	10	2,927.50	10	2,586.25
1/4	1/4	1/4	1/4	1/4	4,345.63	1/4	4,137.22	1/4	3,928.33	1/4	3,718.57	1/4	3,508.80	1/4	3,261.24	1/4	2,920.40	1/4	2,579.12
1/2	1/2	1/2	1/2	1/2	4,341.32	1/2	4,132.87	1/2	3,923.96	1/2	3,714.20	1/2	3,504.43	1/2	3,254.15	1/2	2,913.29	1/2	2,572.00
3/4	3/4	3/4	3/4	3/4	4,337.01	3/4	4,128.52	3/4	3,919.59	3/4	3,709.83	3/4	3,500.06	3/4	3,247.06	3/4	2,906.18	3/4	2,564.87
11		11		11	4,332.69	11	4,124.16	11	3,915.22	11	3,705.46	11	3,495.69	11	3,239.97	11	2,899.07	11	2,557.74
1/4	1/4	1/4	1/4	1/4	4,328.37	1/4	4,119.81	1/4	3,910.85	1/4	3,701.09	1/4	3,491.32	1/4	3,232.88	1/4	2,891.97	1/4	2,550.62
1/2	1/2	1/2	1/2	1/2	4,324.05	1/2	4,115.46	1/2	3,906.48	1/2	3,696.72	1/2	3,486.95	1/2	3,225.79	1/2	2,884.86	1/2	2,543.49
3/4	3/4	3/4	3/4	3/4	4,319.73	3/4	4,111.11	3/4	3,902.11	3/4	3,692.35	3/4	3,482.58	3/4	3,218.70	3/4	2,877.75	3/4	2,536.36

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 ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" 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 "HSM 3318"
formerly the
BARGE "FMT 3318"

3 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,187.20	0	1,845.18	0	1,503.15	0	1,161.12	0	819.59	0	477.57	0	135.55	0		0		0	
1/4	2,180.08	1/4	1,838.05	1/4	1,496.02	1/4	1,153.99	1/4	812.46	1/4	470.44	1/4	128.43	1/4	1/4	1/4		1/4	
1/2	2,172.95	1/2	1,830.92	1/2	1,488.90	1/2	1,146.87	1/2	805.34	1/2	463.32	1/2	121.30	1/2	1/2	1/2		1/2	
3/4	2,165.83	3/4	1,823.80	3/4	1,481.77	3/4	1,139.74	3/4	798.21	3/4	456.19	3/4	114.18	3/4	3/4	3/4		3/4	
1	2,158.70	1	1,816.67	1	1,474.64	1	1,132.62	1	791.09	1	449.07	1	107.06	1	1	1		1	
1/4	2,151.58	1/4	1,809.55	1/4	1,467.52	1/4	1,125.49	1/4	783.96	1/4	441.94	1/4	99.95	1/4	1/4	1/4		1/4	
1/2	2,144.45	1/2	1,802.42	1/2	1,460.39	1/2	1,118.36	1/2	776.83	1/2	434.82	1/2	92.83	1/2	1/2	1/2		1/2	
3/4	2,137.33	3/4	1,795.30	3/4	1,453.27	3/4	1,111.24	3/4	769.71	3/4	427.69	3/4	85.72	3/4	3/4	3/4		3/4	
2	2,130.20	2	1,788.17	2	1,446.14	2	1,104.12	2	762.58	2	420.56	2	78.63	2	2	2		2	
1/4	2,123.07	1/4	1,781.05	1/4	1,439.02	1/4	1,097.00	1/4	755.46	1/4	413.44	1/4	71.54	1/4	1/4	1/4		1/4	
1/2	2,115.95	1/2	1,773.92	1/2	1,431.89	1/2	1,089.88	1/2	748.33	1/2	406.31	1/2	64.45	1/2	1/2	1/2		1/2	
3/4	2,108.82	3/4	1,766.79	3/4	1,424.77	3/4	1,082.76	3/4	741.21	3/4	399.19	3/4	57.36	3/4	3/4	3/4		3/4	
3	2,101.70	3	1,759.67	3	1,417.64	3	1,075.65	3	734.08	3	392.06	3	51.13	3	3	3		3	
1/4	2,094.57	1/4	1,752.54	1/4	1,410.51	1/4	1,068.54	1/4	726.96	1/4	384.94	1/4	44.89	1/4	1/4	1/4		1/4	
1/2	2,087.45	1/2	1,745.42	1/2	1,403.39	1/2	1,061.42	1/2	719.83	1/2	377.81	1/2	38.66	1/2	1/2	1/2		1/2	
3/4	2,080.32	3/4	1,738.29	3/4	1,396.26	3/4	1,054.31	3/4	712.71	3/4	370.69	3/4	32.43	3/4	3/4	3/4		3/4	
4	2,073.19	4	1,731.17	4	1,389.14	4	1,047.20	4	705.58	4	363.56	4	27.97	4	4	4		4	
1/4	2,066.07	1/4	1,724.04	1/4	1,382.01	1/4	1,040.09	1/4	698.46	1/4	356.44	1/4	23.52	1/4	1/4	1/4		1/4	
1/2	2,058.94	1/2	1,716.91	1/2	1,374.89	1/2	1,032.98	1/2	691.33	1/2	349.31	1/2	19.07	1/2	1/2	1/2		1/2	
3/4	2,051.82	3/4	1,709.79	3/4	1,367.76	3/4	1,025.87	3/4	684.20	3/4	342.19	3/4	14.62	3/4	3/4	3/4		3/4	
5	2,044.69	5	1,702.66	5	1,360.63	5	1,018.76	5	677.08	5	335.06	5		5	5	5		5	
1/4	2,037.57	1/4	1,695.54	1/4	1,353.51	1/4	1,011.64	1/4	669.95	1/4	327.93	1/4		1/4	1/4	1/4		1/4	
1/2	2,030.44	1/2	1,688.41	1/2	1,346.38	1/2	1,004.53	1/2	662.83	1/2	320.81	1/2		1/2	1/2	1/2		1/2	
3/4	2,023.32	3/4	1,681.29	3/4	1,339.26	3/4	997.42	3/4	655.70	3/4	313.68	3/4		3/4	3/4	3/4		3/4	
6	2,016.19	6	1,674.16	6	1,332.13	6	990.31	6	648.58	6	306.56	6		6	6	6		6	
1/4	2,009.06	1/4	1,667.04	1/4	1,325.01	1/4	983.20	1/4	641.45	1/4	299.43	1/4		1/4	1/4	1/4		1/4	
1/2	2,001.94	1/2	1,659.91	1/2	1,317.88	1/2	976.09	1/2	634.33	1/2	292.31	1/2		1/2	1/2	1/2		1/2	
3/4	1,994.81	3/4	1,652.78	3/4	1,310.76	3/4	968.97	3/4	627.20	3/4	285.18	3/4		3/4	3/4	3/4		3/4	
7	1,987.69	7	1,645.66	7	1,303.63	7	961.86	7	620.08	7	278.06	7		7	7	7		7	
1/4	1,980.56	1/4	1,638.53	1/4	1,296.50	1/4	954.75	1/4	612.95	1/4	270.93	1/4		1/4	1/4	1/4		1/4	
1/2	1,973.44	1/2	1,631.41	1/2	1,289.38	1/2	947.64	1/2	605.83	1/2	263.81	1/2		1/2	1/2	1/2		1/2	
3/4	1,966.31	3/4	1,624.28	3/4	1,282.25	3/4	940.53	3/4	598.70	3/4	256.68	3/4		3/4	3/4	3/4		3/4	
8	1,959.19	8	1,617.16	8	1,275.13	8	933.42	8	591.57	8	249.56	8		8	8	8		8	
1/4	1,952.06	1/4	1,610.03	1/4	1,268.00	1/4	926.30	1/4	584.45	1/4	242.43	1/4		1/4	1/4	1/4		1/4	
1/2	1,944.93	1/2	1,602.91	1/2	1,260.88	1/2	919.19	1/2	577.32	1/2	235.30	1/2		1/2	1/2	1/2		1/2	
3/4	1,937.81	3/4	1,595.78	3/4	1,253.75	3/4	912.08	3/4	570.20	3/4	228.18	3/4		3/4	3/4	3/4		3/4	
9	1,930.68	9	1,588.65	9	1,246.63	9	904.97	9	563.07	9	221.05	9		9	9	9		9	
1/4	1,923.56	1/4	1,581.53	1/4	1,239.50	1/4	897.86	1/4	555.95	1/4	213.93	1/4		1/4	1/4	1/4		1/4	
1/2	1,916.43	1/2	1,574.40	1/2	1,232.37	1/2	890.75	1/2	548.82	1/2	206.80	1/2		1/2	1/2	1/2		1/2	
3/4	1,909.31	3/4	1,567.28	3/4	1,225.25	3/4	883.64	3/4	541.70	3/4	199.68	3/4		3/4	3/4	3/4		3/4	
10	1,902.18	10	1,560.15	10	1,218.12	10	876.53	10	534.57	10	192.55	10		10	10	10		10	
1/4	1,895.05	1/4	1,553.03	1/4	1,211.00	1/4	869.41	1/4	527.45	1/4	185.43	1/4		1/4	1/4	1/4		1/4	
1/2	1,887.93	1/2	1,545.90	1/2	1,203.87	1/2	862.30	1/2	520.32	1/2	178.30	1/2		1/2	1/2	1/2		1/2	
3/4	1,880.80	3/4	1,538.77	3/4	1,196.75	3/4	855.19	3/4	513.19	3/4	171.18	3/4		3/4	3/4	3/4		3/4	
11	1,873.68	11	1,531.65	11	1,189.62	11	848.07	11	506.07	11	164.05	11		11	11	11		11	
1/4	1,866.55	1/4	1,524.52	1/4	1,182.49	1/4	840.95	1/4	498.94	1/4	156.92	1/4		1/4	1/4	1/4		1/4	
1/2	1,859.43	1/2	1,517.40	1/2	1,175.37	1/2	833.83	1/2	491.82	1/2	149.80	1/2		1/2	1/2	1/2		1/2	
3/4	1,852.30	3/4	1,510.27	3/4	1,168.24	3/4	826.71	3/4	484.69	3/4	142.67	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

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



CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

INNAGE (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	- 00-1/8	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 7'-00"
 DIFF. = 5'-00" (DOWN BY STERN)

THE CORRECTION FOR 5'-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: 237'-03"

August 5, 2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

1 PORT
INNAGE TABLE

HERMETIC
GAUGE HEIGHT 16'-05 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.64	0	290.65	0	624.96	0	965.68	0	1,307.38	0	1,649.90	0	1,992.42	0	2,334.95	0	2,677.47	0	3,019.97
1/4	17.55	1/4	297.25	1/4	632.09	1/4	972.76	1/4	1,314.51	1/4	1,657.04	1/4	1,999.56	1/4	2,342.08	1/4	2,684.60	1/4	3,027.10
1/2	20.47	1/2	303.84	1/2	639.23	1/2	979.83	1/2	1,321.65	1/2	1,664.17	1/2	2,006.69	1/2	2,349.22	1/2	2,691.74	1/2	3,034.23
3/4	23.39	3/4	310.44	3/4	646.37	3/4	986.91	3/4	1,328.78	3/4	1,671.31	3/4	2,013.83	3/4	2,356.35	3/4	2,698.87	3/4	3,041.37
1	26.31	1	317.03	1	653.50	1	993.98	1	1,335.92	1	1,678.44	1	2,020.97	1	2,363.49	1	2,706.01	1	3,048.50
1/4	31.09	1/4	323.71	1/4	660.64	1/4	1,001.06	1/4	1,343.06	1/4	1,685.58	1/4	2,028.10	1/4	2,370.63	1/4	2,713.14	1/4	3,055.63
1/2	35.87	1/2	330.38	1/2	667.77	1/2	1,008.13	1/2	1,350.19	1/2	1,692.72	1/2	2,035.24	1/2	2,377.76	1/2	2,720.28	1/2	3,062.77
3/4	40.66	3/4	337.06	3/4	674.91	3/4	1,015.21	3/4	1,357.33	3/4	1,699.85	3/4	2,042.37	3/4	2,384.90	3/4	2,727.42	3/4	3,069.90
2	45.44	2	343.74	2	682.04	2	1,022.28	2	1,364.46	2	1,706.99	2	2,049.51	2	2,392.03	2	2,734.55	2	3,077.04
1/4	51.16	1/4	350.50	1/4	689.18	1/4	1,029.37	1/4	1,371.60	1/4	1,714.12	1/4	2,056.65	1/4	2,399.17	1/4	2,741.69	1/4	3,084.17
1/2	56.89	1/2	357.26	1/2	696.32	1/2	1,036.45	1/2	1,378.74	1/2	1,721.26	1/2	2,063.78	1/2	2,406.31	1/2	2,748.82	1/2	3,091.30
3/4	62.61	3/4	364.02	3/4	703.45	3/4	1,043.54	3/4	1,385.87	3/4	1,728.39	3/4	2,070.92	3/4	2,413.44	3/4	2,755.96	3/4	3,098.44
3	68.33	3	370.78	3	710.59	3	1,050.62	3	1,393.01	3	1,735.53	3	2,078.05	3	2,420.58	3	2,763.09	3	3,105.57
1/4	74.17	1/4	377.63	1/4	717.72	1/4	1,057.72	1/4	1,400.14	1/4	1,742.67	1/4	2,085.19	1/4	2,427.71	1/4	2,770.23	1/4	3,112.70
1/2	80.00	1/2	384.47	1/2	724.86	1/2	1,064.82	1/2	1,407.28	1/2	1,749.80	1/2	2,092.33	1/2	2,434.85	1/2	2,777.37	1/2	3,119.84
3/4	85.83	3/4	391.31	3/4	731.99	3/4	1,071.93	3/4	1,414.41	3/4	1,756.94	3/4	2,099.46	3/4	2,441.98	3/4	2,784.50	3/4	3,126.97
4	91.67	4	398.16	4	739.13	4	1,079.03	4	1,421.55	4	1,764.07	4	2,106.60	4	2,449.12	4	2,791.64	4	3,134.10
1/4	97.59	1/4	405.08	1/4	746.23	1/4	1,086.16	1/4	1,428.69	1/4	1,771.21	1/4	2,113.73	1/4	2,456.26	1/4	2,798.77	1/4	3,141.24
1/2	103.52	1/2	412.01	1/2	753.33	1/2	1,093.30	1/2	1,435.82	1/2	1,778.35	1/2	2,120.87	1/2	2,463.39	1/2	2,805.91	1/2	3,148.37
3/4	109.44	3/4	418.94	3/4	760.43	3/4	1,100.44	3/4	1,442.96	3/4	1,785.48	3/4	2,128.00	3/4	2,470.53	3/4	2,813.04	3/4	3,155.50
5	115.37	5	425.87	5	767.54	5	1,107.57	5	1,450.09	5	1,792.62	5	2,135.14	5	2,477.66	5	2,820.18	5	3,162.64
1/4	121.38	1/4	432.87	1/4	774.62	1/4	1,114.71	1/4	1,457.23	1/4	1,799.75	1/4	2,142.28	1/4	2,484.80	1/4	2,827.31	1/4	3,169.77
1/2	127.39	1/2	439.88	1/2	781.70	1/2	1,121.84	1/2	1,464.37	1/2	1,806.89	1/2	2,149.41	1/2	2,491.94	1/2	2,834.45	1/2	3,176.90
3/4	133.40	3/4	446.88	3/4	788.79	3/4	1,128.98	3/4	1,471.50	3/4	1,814.03	3/4	2,156.55	3/4	2,499.07	3/4	2,841.59	3/4	3,184.04
6	139.41	6	453.89	6	795.87	6	1,136.11	6	1,478.64	6	1,821.16	6	2,163.68	6	2,506.21	6	2,848.72	6	3,191.17
1/4	145.50	1/4	460.98	1/4	802.95	1/4	1,143.25	1/4	1,485.77	1/4	1,828.30	1/4	2,170.82	1/4	2,513.34	1/4	2,855.86	1/4	3,198.30
1/2	151.59	1/2	468.07	1/2	810.02	1/2	1,150.39	1/2	1,492.91	1/2	1,835.43	1/2	2,177.96	1/2	2,520.48	1/2	2,862.99	1/2	3,205.44
3/4	157.69	3/4	475.16	3/4	817.10	3/4	1,157.52	3/4	1,500.05	3/4	1,842.57	3/4	2,185.09	3/4	2,527.62	3/4	2,870.13	3/4	3,212.57
7	163.78	7	482.24	7	824.17	7	1,164.66	7	1,507.18	7	1,849.70	7	2,192.23	7	2,534.75	7	2,877.26	7	3,219.71
1/4	169.96	1/4	489.38	1/4	831.25	1/4	1,171.79	1/4	1,514.32	1/4	1,856.84	1/4	2,199.36	1/4	2,541.89	1/4	2,884.40	1/4	3,226.84
1/2	176.14	1/2	496.52	1/2	838.32	1/2	1,178.93	1/2	1,521.45	1/2	1,863.98	1/2	2,206.50	1/2	2,549.02	1/2	2,891.53	1/2	3,233.97
3/4	182.31	3/4	503.65	3/4	845.40	3/4	1,186.07	3/4	1,528.59	3/4	1,871.11	3/4	2,213.64	3/4	2,556.16	3/4	2,898.67	3/4	3,241.11
8	188.49	8	510.79	8	852.47	8	1,193.20	8	1,535.73	8	1,878.25	8	2,220.77	8	2,563.29	8	2,905.81	8	3,248.24
1/4	194.75	1/4	517.92	1/4	859.55	1/4	1,200.34	1/4	1,542.86	1/4	1,885.38	1/4	2,227.91	1/4	2,570.43	1/4	2,912.94	1/4	3,255.37
1/2	201.01	1/2	525.06	1/2	866.62	1/2	1,207.47	1/2	1,550.00	1/2	1,892.52	1/2	2,235.04	1/2	2,577.57	1/2	2,920.08	1/2	3,262.51
3/4	207.27	3/4	532.19	3/4	873.70	3/4	1,214.61	3/4	1,557.13	3/4	1,899.66	3/4	2,242.18	3/4	2,584.70	3/4	2,927.21	3/4	3,269.64
9	213.53	9	539.33	9	880.77	9	1,221.75	9	1,564.27	9	1,906.79	9	2,249.32	9	2,591.84	9	2,934.35	9	3,276.77
1/4	219.87	1/4	546.47	1/4	887.85	1/4	1,228.88	1/4	1,571.40	1/4	1,913.93	1/4	2,256.45	1/4	2,598.97	1/4	2,941.48	1/4	3,283.91
1/2	226.22	1/2	553.60	1/2	894.93	1/2	1,236.02	1/2	1,578.54	1/2	1,921.06	1/2	2,263.59	1/2	2,606.11	1/2	2,948.62	1/2	3,291.04
3/4	232.56	3/4	560.74	3/4	902.00	3/4	1,243.15	3/4	1,585.68	3/4	1,928.20	3/4	2,270.72	3/4	2,613.25	3/4	2,955.76	3/4	3,298.17
10	238.90	10	567.87	10	909.08	10	1,250.29	10	1,592.81	10	1,935.34	10	2,277.86	10	2,620.38	10	2,962.89	10	3,305.31
1/4	245.33	1/4	575.01	1/4	916.15	1/4	1,257.43	1/4	1,599.95	1/4	1,942.47	1/4	2,284.99	1/4	2,627.52	1/4	2,970.03	1/4	3,312.44
1/2	251.76	1/2	582.14	1/2	923.23	1/2	1,264.56	1/2	1,607.08	1/2	1,949.61	1/2	2,292.13	1/2	2,634.65	1/2	2,977.16	1/2	3,319.57
3/4	258.19	3/4	589.28	3/4	930.30	3/4	1,271.70	3/4	1,614.22	3/4	1,956.74	3/4	2,299.27	3/4	2,641.79	3/4	2,984.30	3/4	3,326.71
11	264.61	11	596.42	11	937.38	11	1,278.83	11	1,621.36	11	1,963.88	11	2,306.40	11	2,648.92	11	2,991.43	11	3,333.84
1/4	271.12	1/4	603.55	1/4	944.45	1/4	1,285.97	1/4	1,628.49	1/4	1,971.02	1/4	2,313.54	1/4	2,656.06	1/4	2,998.57	1/4	3,340.97
1/2	277.63	1/2	610.69	1/2	951.53	1/2	1,293.10	1/2	1,635.63	1/2	1,978.15	1/2	2,320.67	1/2	2,663.20	1/2	3,005.70	1/2	3,348.11
3/4	284.14	3/4	617.82	3/4	958.60	3/4	1,300.24	3/4	1,642.76	3/4	1,985.29	3/4	2,327.81	3/4	2,670.33	3/4	3,012.83	3/4	3,355.24

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "HSM 3318"

formerly the

BARGE "FMT 3318"

1 PORT
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,362.38	0	3,704.81	0	4,047.31	0	4,389.16	0	4,730.10	0		0		0		0		0	
1/4	3,369.51	1/4	3,711.94	1/4	4,054.45	1/4	4,396.27	1/4	4,737.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,376.64	1/2	3,719.08	1/2	4,061.58	1/2	4,403.37	1/2	4,744.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,383.78	3/4	3,726.21	3/4	4,068.72	3/4	4,410.47	3/4	4,751.41	3/4		3/4		3/4		3/4		3/4	
1	3,390.91	1	3,733.35	1	4,075.85	1	4,417.57	1	4,758.51	1		1		1		1		1	
1/4	3,398.04	1/4	3,740.48	1/4	4,082.99	1/4	4,424.68	1/4	4,765.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,405.18	1/2	3,747.62	1/2	4,090.12	1/2	4,431.78	1/2	4,772.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,412.31	3/4	3,754.76	3/4	4,097.26	3/4	4,438.88	3/4	4,779.82	3/4		3/4		3/4		3/4		3/4	
2	3,419.44	2	3,761.89	2	4,104.40	2	4,445.99	2	4,786.93	2		2		2		2		2	
1/4	3,426.58	1/4	3,769.03	1/4	4,111.53	1/4	4,453.09	1/4	4,794.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,433.71	1/2	3,776.16	1/2	4,118.67	1/2	4,460.19	1/2	4,801.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,440.84	3/4	3,783.30	3/4	4,125.80	3/4	4,467.30	3/4	4,808.23	3/4		3/4		3/4		3/4		3/4	
3	3,447.98	3	3,790.43	3	4,132.94	3	4,474.40	3	4,815.34	3		3		3		3		3	
1/4	3,455.11	1/4	3,797.57	1/4	4,140.07	1/4	4,481.50	1/4	4,822.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,462.24	1/2	3,804.70	1/2	4,147.21	1/2	4,488.60	1/2	4,829.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,469.38	3/4	3,811.84	3/4	4,154.34	3/4	4,495.71	3/4	4,836.51	3/4		3/4		3/4		3/4		3/4	
4	3,476.51	4	3,818.98	4	4,161.48	4	4,502.81	4	4,843.57	4		4		4		4		4	
1/4	3,483.64	1/4	3,826.11	1/4	4,168.61	1/4	4,509.91	1/4	4,850.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,490.78	1/2	3,833.25	1/2	4,175.75	1/2	4,517.02	1/2	4,857.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,497.91	3/4	3,840.38	3/4	4,182.89	3/4	4,524.12	3/4	4,864.74	3/4		3/4		3/4		3/4		3/4	
5	3,505.05	5	3,847.52	5	4,190.02	5	4,531.22	5	4,871.80	5		5		5		5		5	
1/4	3,512.18	1/4	3,854.65	1/4	4,197.16	1/4	4,538.32	1/4	4,878.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,519.31	1/2	3,861.79	1/2	4,204.29	1/2	4,545.43	1/2	4,885.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,526.45	3/4	3,868.92	3/4	4,211.43	3/4	4,552.53	3/4	4,892.97	3/4		3/4		3/4		3/4		3/4	
6	3,533.58	6	3,876.06	6	4,218.56	6	4,559.63	6	4,900.03	6		6		6		6		6	
1/4	3,540.71	1/4	3,883.19	1/4	4,225.70	1/4	4,566.74	1/4	4,907.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,547.85	1/2	3,890.33	1/2	4,232.83	1/2	4,573.84	1/2	4,914.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,554.98	3/4	3,897.47	3/4	4,239.97	3/4	4,580.94	3/4	4,921.16	3/4		3/4		3/4		3/4		3/4	
7	3,562.11	7	3,904.60	7	4,247.11	7	4,588.04	7	4,928.21	7		7		7		7		7	
1/4	3,569.25	1/4	3,911.74	1/4	4,254.21	1/4	4,595.15	1/4	4,935.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,576.38	1/2	3,918.87	1/2	4,261.31	1/2	4,602.25	1/2	4,942.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,583.51	3/4	3,926.01	3/4	4,268.41	3/4	4,609.35	3/4	4,949.17	3/4		3/4		3/4		3/4		3/4	
8	3,590.65	8	3,933.14	8	4,275.52	8	4,616.46	8	4,956.16	8		8		8		8		8	
1/4	3,597.78	1/4	3,940.28	1/4	4,282.62	1/4	4,623.56	1/4	4,962.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,604.91	1/2	3,947.41	1/2	4,289.72	1/2	4,630.66	1/2	4,968.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,612.05	3/4	3,954.55	3/4	4,296.83	3/4	4,637.76	3/4	4,974.66	3/4		3/4		3/4		3/4		3/4	
9	3,619.18	9	3,961.69	9	4,303.93	9	4,644.87	9	4,980.83	9		9		9		9		9	
1/4	3,626.32	1/4	3,968.82	1/4	4,311.03	1/4	4,651.97	1/4	4,985.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,633.45	1/2	3,975.96	1/2	4,318.13	1/2	4,659.07	1/2	4,990.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,640.59	3/4	3,983.09	3/4	4,325.24	3/4	4,666.18	3/4	4,995.76	3/4		3/4		3/4		3/4		3/4	
10	3,647.72	10	3,990.23	10	4,332.34	10	4,673.28	10	5,000.73	10		10		10		10		10	
1/4	3,654.86	1/4	3,997.36	1/4	4,339.44	1/4	4,680.38	1/4	5,004.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,661.99	1/2	4,004.50	1/2	4,346.55	1/2	4,687.49	1/2	5,008.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,669.13	3/4	4,011.63	3/4	4,353.65	3/4	4,694.59	3/4	5,012.10	3/4		3/4		3/4		3/4		3/4	
11	3,676.27	11	4,018.77	11	4,360.75	11	4,701.69	11	5,015.88	11		11		11		11		11	
1/4	3,683.40	1/4	4,025.90	1/4	4,367.85	1/4	4,708.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,690.54	1/2	4,033.04	1/2	4,374.96	1/2	4,715.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,697.67	3/4	4,040.18	3/4	4,382.06	3/4	4,723.00	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
 CALCULATED: 08/06/2020 CL
 PRINTED: 08/06/2020 JS

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



CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2020



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

**1 STBD
INNAGE TABLE**

**HERMETIC
GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.64	0	290.62	0	624.96	0	967.26	0	1,309.72	0	1,652.25	0	1,994.78	0	2,337.30	0	2,679.83	0	3,022.33
1/4	17.55	1/4	297.21	1/4	632.09	1/4	974.39	1/4	1,316.86	1/4	1,659.38	1/4	2,001.91	1/4	2,344.44	1/4	2,686.96	1/4	3,029.47
1/2	20.47	1/2	303.80	1/2	639.23	1/2	981.52	1/2	1,323.99	1/2	1,666.52	1/2	2,009.05	1/2	2,351.58	1/2	2,694.10	1/2	3,036.60
3/4	23.39	3/4	310.40	3/4	646.36	3/4	988.65	3/4	1,331.13	3/4	1,673.66	3/4	2,016.18	3/4	2,358.71	3/4	2,701.24	3/4	3,043.74
1	26.30	1	316.99	1	653.50	1	995.77	1	1,338.26	1	1,680.79	1	2,023.32	1	2,365.85	1	2,708.37	1	3,050.87
1/4	31.08	1/4	323.67	1/4	660.63	1/4	1,002.90	1/4	1,345.40	1/4	1,687.93	1/4	2,030.46	1/4	2,372.98	1/4	2,715.51	1/4	3,058.00
1/2	35.87	1/2	330.34	1/2	667.77	1/2	1,010.03	1/2	1,352.54	1/2	1,695.06	1/2	2,037.59	1/2	2,380.12	1/2	2,722.64	1/2	3,065.14
3/4	40.65	3/4	337.02	3/4	674.91	3/4	1,017.15	3/4	1,359.67	3/4	1,702.20	3/4	2,044.73	3/4	2,387.26	3/4	2,729.78	3/4	3,072.27
2	45.43	2	343.70	2	682.04	2	1,024.28	2	1,366.81	2	1,709.34	2	2,051.86	2	2,394.39	2	2,736.91	2	3,079.40
1/4	51.15	1/4	350.46	1/4	689.18	1/4	1,031.42	1/4	1,373.94	1/4	1,716.47	1/4	2,059.00	1/4	2,401.53	1/4	2,744.05	1/4	3,086.54
1/2	56.88	1/2	357.22	1/2	696.31	1/2	1,038.55	1/2	1,381.08	1/2	1,723.61	1/2	2,066.14	1/2	2,408.66	1/2	2,751.19	1/2	3,093.67
3/4	62.60	3/4	363.98	3/4	703.45	3/4	1,045.69	3/4	1,388.22	3/4	1,730.74	3/4	2,073.27	3/4	2,415.80	3/4	2,758.32	3/4	3,100.80
3	68.32	3	370.74	3	710.58	3	1,052.82	3	1,395.35	3	1,737.88	3	2,080.41	3	2,422.94	3	2,765.46	3	3,107.94
1/4	74.15	1/4	377.58	1/4	717.72	1/4	1,059.96	1/4	1,402.49	1/4	1,745.02	1/4	2,087.54	1/4	2,430.07	1/4	2,772.59	1/4	3,115.07
1/2	79.98	1/2	384.43	1/2	724.86	1/2	1,067.10	1/2	1,409.62	1/2	1,752.15	1/2	2,094.68	1/2	2,437.21	1/2	2,779.73	1/2	3,122.20
3/4	85.82	3/4	391.27	3/4	731.99	3/4	1,074.23	3/4	1,416.76	3/4	1,759.29	3/4	2,101.82	3/4	2,444.34	3/4	2,786.86	3/4	3,129.34
4	91.65	4	398.11	4	739.13	4	1,081.37	4	1,423.90	4	1,766.42	4	2,108.95	4	2,451.48	4	2,794.00	4	3,136.47
1/4	97.57	1/4	405.04	1/4	746.26	1/4	1,088.50	1/4	1,431.03	1/4	1,773.56	1/4	2,116.09	1/4	2,458.62	1/4	2,801.14	1/4	3,143.61
1/2	103.50	1/2	411.97	1/2	753.40	1/2	1,095.64	1/2	1,438.17	1/2	1,780.70	1/2	2,123.22	1/2	2,465.75	1/2	2,808.27	1/2	3,150.74
3/4	109.42	3/4	418.90	3/4	760.53	3/4	1,102.78	3/4	1,445.30	3/4	1,787.83	3/4	2,130.36	3/4	2,472.89	3/4	2,815.41	3/4	3,157.87
5	115.35	5	425.82	5	767.67	5	1,109.91	5	1,452.44	5	1,794.97	5	2,137.50	5	2,480.02	5	2,822.54	5	3,165.01
1/4	121.36	1/4	432.83	1/4	774.81	1/4	1,117.05	1/4	1,459.58	1/4	1,802.10	1/4	2,144.63	1/4	2,487.16	1/4	2,829.68	1/4	3,172.14
1/2	127.37	1/2	439.84	1/2	781.94	1/2	1,124.18	1/2	1,466.71	1/2	1,809.24	1/2	2,151.77	1/2	2,494.30	1/2	2,836.81	1/2	3,179.27
3/4	133.37	3/4	446.86	3/4	789.08	3/4	1,131.32	3/4	1,473.85	3/4	1,816.38	3/4	2,158.90	3/4	2,501.43	3/4	2,843.95	3/4	3,186.41
6	139.38	6	453.87	6	796.21	6	1,138.46	6	1,480.98	6	1,823.51	6	2,166.04	6	2,508.57	6	2,851.09	6	3,193.54
1/4	145.48	1/4	460.96	1/4	803.34	1/4	1,145.59	1/4	1,488.12	1/4	1,830.65	1/4	2,173.18	1/4	2,515.70	1/4	2,858.22	1/4	3,200.67
1/2	151.57	1/2	468.05	1/2	810.47	1/2	1,152.73	1/2	1,495.26	1/2	1,837.78	1/2	2,180.31	1/2	2,522.84	1/2	2,865.36	1/2	3,207.81
3/4	157.66	3/4	475.15	3/4	817.60	3/4	1,159.86	3/4	1,502.39	3/4	1,844.92	3/4	2,187.45	3/4	2,529.98	3/4	2,872.49	3/4	3,214.94
7	163.76	7	482.24	7	824.72	7	1,167.00	7	1,509.53	7	1,852.06	7	2,194.58	7	2,537.11	7	2,879.63	7	3,222.08
1/4	169.93	1/4	489.38	1/4	831.85	1/4	1,174.14	1/4	1,516.66	1/4	1,859.19	1/4	2,201.72	1/4	2,544.25	1/4	2,886.76	1/4	3,229.21
1/2	176.11	1/2	496.51	1/2	838.98	1/2	1,181.27	1/2	1,523.80	1/2	1,866.33	1/2	2,208.86	1/2	2,551.38	1/2	2,893.90	1/2	3,236.34
3/4	182.28	3/4	503.65	3/4	846.10	3/4	1,188.41	3/4	1,530.94	3/4	1,873.46	3/4	2,215.99	3/4	2,558.52	3/4	2,901.04	3/4	3,243.48
8	188.46	8	510.79	8	853.23	8	1,195.54	8	1,538.07	8	1,880.60	8	2,223.13	8	2,565.66	8	2,908.17	8	3,250.61
1/4	194.72	1/4	517.92	1/4	860.36	1/4	1,202.68	1/4	1,545.21	1/4	1,887.74	1/4	2,230.26	1/4	2,572.79	1/4	2,915.31	1/4	3,257.74
1/2	200.98	1/2	525.06	1/2	867.48	1/2	1,209.82	1/2	1,552.34	1/2	1,894.87	1/2	2,237.40	1/2	2,579.93	1/2	2,922.44	1/2	3,264.88
3/4	207.24	3/4	532.19	3/4	874.61	3/4	1,216.95	3/4	1,559.48	3/4	1,902.01	3/4	2,244.54	3/4	2,587.06	3/4	2,929.58	3/4	3,272.01
9	213.50	9	539.33	9	881.74	9	1,224.09	9	1,566.62	9	1,909.14	9	2,251.67	9	2,594.20	9	2,936.71	9	3,279.14
1/4	219.84	1/4	546.46	1/4	888.87	1/4	1,231.22	1/4	1,573.75	1/4	1,916.28	1/4	2,258.81	1/4	2,601.34	1/4	2,943.85	1/4	3,286.28
1/2	226.18	1/2	553.60	1/2	895.99	1/2	1,238.36	1/2	1,580.89	1/2	1,923.42	1/2	2,265.94	1/2	2,608.47	1/2	2,950.99	1/2	3,293.41
3/4	232.53	3/4	560.74	3/4	903.12	3/4	1,245.50	3/4	1,588.02	3/4	1,930.55	3/4	2,273.08	3/4	2,615.61	3/4	2,958.12	3/4	3,300.54
10	238.87	10	567.87	10	910.25	10	1,252.63	10	1,595.16	10	1,937.69	10	2,280.22	10	2,622.74	10	2,965.26	10	3,307.68
1/4	245.30	1/4	575.01	1/4	917.37	1/4	1,259.77	1/4	1,602.30	1/4	1,944.82	1/4	2,287.35	1/4	2,629.88	1/4	2,972.39	1/4	3,314.81
1/2	251.72	1/2	582.14	1/2	924.50	1/2	1,266.90	1/2	1,609.43	1/2	1,951.96	1/2	2,294.49	1/2	2,637.01	1/2	2,979.53	1/2	3,321.95
3/4	258.15	3/4	589.28	3/4	931.63	3/4	1,274.04	3/4	1,616.57	3/4	1,959.10	3/4	2,301.62	3/4	2,644.15	3/4	2,986.66	3/4	3,329.08
11	264.58	11	596.41	11	938.76	11	1,281.18	11	1,623.70	11	1,966.23	11	2,308.76	11	2,651.29	11	2,993.80	11	3,336.21
1/4	271.09	1/4	603.55	1/4	945.88	1/4	1,288.31	1/4	1,630.84	1/4	1,973.37	1/4	2,315.90	1/4	2,658.42	1/4	3,000.93	1/4	3,343.35
1/2	277.60	1/2	610.68	1/2	953.01	1/2	1,295.45	1/2	1,637.98	1/2	1,980.50	1/2	2,323.03	1/2	2,665.56	1/2	3,008.07	1/2	3,350.48
3/4	284.11	3/4	617.82	3/4	960.14	3/4	1,302.58	3/4	1,645.11	3/4	1,987.64	3/4	2,330.17	3/4	2,672.69	3/4	3,015.20	3/4	3,357.61

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

1 STBD
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,364.75	0	3,707.18	0	4,049.69	0	4,391.55	0	4,732.49	0		0		0		0		0	
1/4	3,371.88	1/4	3,714.32	1/4	4,056.83	1/4	4,398.65	1/4	4,739.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,379.01	1/2	3,721.46	1/2	4,063.96	1/2	4,405.76	1/2	4,746.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,386.15	3/4	3,728.59	3/4	4,071.10	3/4	4,412.86	3/4	4,753.80	3/4		3/4		3/4		3/4		3/4	
1	3,393.28	1	3,735.73	1	4,078.24	1	4,419.96	1	4,760.91	1		1		1		1		1	
1/4	3,400.42	1/4	3,742.86	1/4	4,085.37	1/4	4,427.06	1/4	4,768.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,407.55	1/2	3,750.00	1/2	4,092.51	1/2	4,434.17	1/2	4,775.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,414.68	3/4	3,757.13	3/4	4,099.64	3/4	4,441.27	3/4	4,782.21	3/4		3/4		3/4		3/4		3/4	
2	3,421.82	2	3,764.27	2	4,106.78	2	4,448.37	2	4,789.32	2		2		2		2		2	
1/4	3,428.95	1/4	3,771.40	1/4	4,113.91	1/4	4,455.48	1/4	4,796.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,436.08	1/2	3,778.54	1/2	4,121.05	1/2	4,462.58	1/2	4,803.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,443.22	3/4	3,785.68	3/4	4,128.18	3/4	4,469.68	3/4	4,810.63	3/4		3/4		3/4		3/4		3/4	
3	3,450.35	3	3,792.81	3	4,135.32	3	4,476.79	3	4,817.73	3		3		3		3		3	
1/4	3,457.48	1/4	3,799.95	1/4	4,142.46	1/4	4,483.89	1/4	4,824.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,464.62	1/2	3,807.08	1/2	4,149.59	1/2	4,490.99	1/2	4,831.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,471.75	3/4	3,814.22	3/4	4,156.73	3/4	4,498.09	3/4	4,838.90	3/4		3/4		3/4		3/4		3/4	
4	3,478.88	4	3,821.35	4	4,163.86	4	4,505.20	4	4,845.96	4		4		4		4		4	
1/4	3,486.02	1/4	3,828.49	1/4	4,171.00	1/4	4,512.30	1/4	4,853.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,493.15	1/2	3,835.62	1/2	4,178.13	1/2	4,519.40	1/2	4,860.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,500.29	3/4	3,842.76	3/4	4,185.27	3/4	4,526.51	3/4	4,867.13	3/4		3/4		3/4		3/4		3/4	
5	3,507.42	5	3,849.90	5	4,192.40	5	4,533.61	5	4,874.19	5		5		5		5		5	
1/4	3,514.55	1/4	3,857.03	1/4	4,199.54	1/4	4,540.71	1/4	4,881.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,521.69	1/2	3,864.17	1/2	4,206.68	1/2	4,547.82	1/2	4,888.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,528.82	3/4	3,871.30	3/4	4,213.81	3/4	4,554.92	3/4	4,895.36	3/4		3/4		3/4		3/4		3/4	
6	3,535.95	6	3,878.44	6	4,220.95	6	4,562.02	6	4,902.42	6		6		6		6		6	
1/4	3,543.09	1/4	3,885.57	1/4	4,228.08	1/4	4,569.12	1/4	4,909.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,550.22	1/2	3,892.71	1/2	4,235.22	1/2	4,576.23	1/2	4,916.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,557.35	3/4	3,899.85	3/4	4,242.35	3/4	4,583.33	3/4	4,923.55	3/4		3/4		3/4		3/4		3/4	
7	3,564.49	7	3,906.98	7	4,249.49	7	4,590.43	7	4,930.59	7		7		7		7		7	
1/4	3,571.62	1/4	3,914.12	1/4	4,256.59	1/4	4,597.54	1/4	4,937.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,578.76	1/2	3,921.25	1/2	4,263.70	1/2	4,604.64	1/2	4,944.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,585.89	3/4	3,928.39	3/4	4,270.80	3/4	4,611.74	3/4	4,951.56	3/4		3/4		3/4		3/4		3/4	
8	3,593.02	8	3,935.52	8	4,277.90	8	4,618.85	8	4,958.55	8		8		8		8		8	
1/4	3,600.16	1/4	3,942.66	1/4	4,285.00	1/4	4,625.95	1/4	4,964.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,607.29	1/2	3,949.79	1/2	4,292.11	1/2	4,633.05	1/2	4,970.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,614.42	3/4	3,956.93	3/4	4,299.21	3/4	4,640.15	3/4	4,977.05	3/4		3/4		3/4		3/4		3/4	
9	3,621.56	9	3,964.07	9	4,306.31	9	4,647.26	9	4,983.22	9		9		9		9		9	
1/4	3,628.69	1/4	3,971.20	1/4	4,313.42	1/4	4,654.36	1/4	4,988.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,635.83	1/2	3,978.34	1/2	4,320.52	1/2	4,661.46	1/2	4,993.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,642.96	3/4	3,985.47	3/4	4,327.62	3/4	4,668.57	3/4	4,998.15	3/4		3/4		3/4		3/4		3/4	
10	3,650.10	10	3,992.61	10	4,334.73	10	4,675.67	10	5,003.12	10		10		10		10		10	
1/4	3,657.23	1/4	3,999.74	1/4	4,341.83	1/4	4,682.77	1/4	5,006.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,664.37	1/2	4,006.88	1/2	4,348.93	1/2	4,689.88	1/2	5,010.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.51	3/4	4,014.01	3/4	4,356.03	3/4	4,696.98	3/4	5,014.48	3/4		3/4		3/4		3/4		3/4	
11	3,678.64	11	4,021.15	11	4,363.14	11	4,704.08	11	5,018.27	11		11		11		11		11	
1/4	3,685.78	1/4	4,028.29	1/4	4,370.24	1/4	4,711.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,692.91	1/2	4,035.42	1/2	4,377.34	1/2	4,718.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,700.05	3/4	4,042.56	3/4	4,384.45	3/4	4,725.39	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020



BARGE "HSM 3318"

formerly the

BARGE "FMT 3318"

2 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.67	0	343.43	0	686.70	0	1,020.26	0	1,358.75	0	1,702.02	0	2,045.30	0	2,388.58	0	2,731.86	0	3,075.12
1/4	19.14	1/4	350.58	1/4	693.85	1/4	1,027.10	1/4	1,365.90	1/4	1,709.18	1/4	2,052.45	1/4	2,395.73	1/4	2,739.01	1/4	3,082.27
1/2	23.61	1/2	357.74	1/2	701.00	1/2	1,033.95	1/2	1,373.05	1/2	1,716.33	1/2	2,059.60	1/2	2,402.88	1/2	2,746.16	1/2	3,089.42
3/4	28.08	3/4	364.89	3/4	708.15	3/4	1,040.79	3/4	1,380.20	3/4	1,723.48	3/4	2,066.76	3/4	2,410.03	3/4	2,753.31	3/4	3,096.57
1	32.55	1	372.04	1	715.31	1	1,047.63	1	1,387.35	1	1,730.63	1	2,073.91	1	2,417.18	1	2,760.46	1	3,103.72
1/4	38.80	1/4	379.19	1/4	722.46	1/4	1,054.48	1/4	1,394.51	1/4	1,737.78	1/4	2,081.06	1/4	2,424.34	1/4	2,767.61	1/4	3,110.87
1/2	45.06	1/2	386.34	1/2	729.61	1/2	1,061.32	1/2	1,401.66	1/2	1,744.93	1/2	2,088.21	1/2	2,431.49	1/2	2,774.76	1/2	3,118.02
3/4	51.31	3/4	393.49	3/4	736.76	3/4	1,068.17	3/4	1,408.81	3/4	1,752.09	3/4	2,095.36	3/4	2,438.64	3/4	2,781.92	3/4	3,125.17
2	57.57	2	400.64	2	743.91	2	1,075.01	2	1,415.96	2	1,759.24	2	2,102.51	2	2,445.79	2	2,789.07	2	3,132.32
1/4	64.68	1/4	407.80	1/4	751.06	1/4	1,081.86	1/4	1,423.11	1/4	1,766.39	1/4	2,109.67	1/4	2,452.94	1/4	2,796.22	1/4	3,139.47
1/2	71.80	1/2	414.95	1/2	758.21	1/2	1,088.71	1/2	1,430.26	1/2	1,773.54	1/2	2,116.82	1/2	2,460.09	1/2	2,803.37	1/2	3,146.62
3/4	78.92	3/4	422.10	3/4	765.37	3/4	1,095.57	3/4	1,437.42	3/4	1,780.69	3/4	2,123.97	3/4	2,467.25	3/4	2,810.52	3/4	3,153.77
3	86.03	3	429.25	3	772.52	3	1,102.42	3	1,444.57	3	1,787.84	3	2,131.12	3	2,474.40	3	2,817.67	3	3,160.92
1/4	93.17	1/4	436.40	1/4	779.67	1/4	1,109.29	1/4	1,451.72	1/4	1,795.00	1/4	2,138.27	1/4	2,481.55	1/4	2,824.83	1/4	3,168.07
1/2	100.31	1/2	443.55	1/2	786.82	1/2	1,116.16	1/2	1,458.87	1/2	1,802.15	1/2	2,145.42	1/2	2,488.70	1/2	2,831.98	1/2	3,175.22
3/4	107.45	3/4	450.70	3/4	793.97	3/4	1,123.03	3/4	1,466.02	3/4	1,809.30	3/4	2,152.58	3/4	2,495.85	3/4	2,839.13	3/4	3,182.37
4	114.59	4	457.86	4	801.12	4	1,129.90	4	1,473.17	4	1,816.45	4	2,159.73	4	2,503.00	4	2,846.28	4	3,189.52
1/4	121.74	1/4	465.01	1/4	807.99	1/4	1,137.05	1/4	1,480.33	1/4	1,823.60	1/4	2,166.88	1/4	2,510.16	1/4	2,853.43	1/4	3,196.67
1/2	128.89	1/2	472.16	1/2	814.86	1/2	1,144.20	1/2	1,487.48	1/2	1,830.75	1/2	2,174.03	1/2	2,517.31	1/2	2,860.58	1/2	3,203.82
3/4	136.04	3/4	479.31	3/4	821.73	3/4	1,151.35	3/4	1,494.63	3/4	1,837.90	3/4	2,181.18	3/4	2,524.46	3/4	2,867.74	3/4	3,210.97
5	143.19	5	486.46	5	828.60	5	1,158.50	5	1,501.78	5	1,845.06	5	2,188.33	5	2,531.61	5	2,874.89	5	3,218.12
1/4	150.35	1/4	493.61	1/4	835.45	1/4	1,165.65	1/4	1,508.93	1/4	1,852.21	1/4	2,195.48	1/4	2,538.76	1/4	2,882.04	1/4	3,225.27
1/2	157.50	1/2	500.76	1/2	842.30	1/2	1,172.81	1/2	1,516.08	1/2	1,859.36	1/2	2,202.64	1/2	2,545.91	1/2	2,889.19	1/2	3,232.42
3/4	164.65	3/4	507.92	3/4	849.15	3/4	1,179.96	3/4	1,523.23	3/4	1,866.51	3/4	2,209.79	3/4	2,553.07	3/4	2,896.34	3/4	3,239.56
6	171.80	6	515.07	6	856.00	6	1,187.11	6	1,530.39	6	1,873.66	6	2,216.94	6	2,560.22	6	2,903.49	6	3,246.71
1/4	178.95	1/4	522.22	1/4	862.85	1/4	1,194.26	1/4	1,537.54	1/4	1,880.81	1/4	2,224.09	1/4	2,567.37	1/4	2,910.65	1/4	3,253.86
1/2	186.10	1/2	529.37	1/2	869.69	1/2	1,201.41	1/2	1,544.69	1/2	1,887.97	1/2	2,231.24	1/2	2,574.52	1/2	2,917.80	1/2	3,261.01
3/4	193.25	3/4	536.52	3/4	876.54	3/4	1,208.56	3/4	1,551.84	3/4	1,895.12	3/4	2,238.39	3/4	2,581.67	3/4	2,924.95	3/4	3,268.16
7	200.41	7	543.67	7	883.38	7	1,215.72	7	1,558.99	7	1,902.27	7	2,245.55	7	2,588.82	7	2,932.10	7	3,275.31
1/4	207.56	1/4	550.82	1/4	890.22	1/4	1,222.87	1/4	1,566.14	1/4	1,909.42	1/4	2,252.70	1/4	2,595.97	1/4	2,939.25	1/4	3,282.46
1/2	214.71	1/2	557.98	1/2	897.07	1/2	1,230.02	1/2	1,573.30	1/2	1,916.57	1/2	2,259.85	1/2	2,603.13	1/2	2,946.40	1/2	3,289.61
3/4	221.86	3/4	565.13	3/4	903.91	3/4	1,237.17	3/4	1,580.45	3/4	1,923.72	3/4	2,267.00	3/4	2,610.28	3/4	2,953.55	3/4	3,296.76
8	229.01	8	572.28	8	910.75	8	1,244.32	8	1,587.60	8	1,930.88	8	2,274.15	8	2,617.43	8	2,960.71	8	3,303.91
1/4	236.16	1/4	579.43	1/4	917.60	1/4	1,251.47	1/4	1,594.75	1/4	1,938.03	1/4	2,281.30	1/4	2,624.58	1/4	2,967.86	1/4	3,311.06
1/2	243.31	1/2	586.58	1/2	924.44	1/2	1,258.63	1/2	1,601.90	1/2	1,945.18	1/2	2,288.46	1/2	2,631.73	1/2	2,975.01	1/2	3,318.21
3/4	250.46	3/4	593.73	3/4	931.29	3/4	1,265.78	3/4	1,609.05	3/4	1,952.33	3/4	2,295.61	3/4	2,638.88	3/4	2,982.16	3/4	3,325.36
9	257.62	9	600.88	9	938.13	9	1,272.93	9	1,616.21	9	1,959.48	9	2,302.76	9	2,646.04	9	2,989.31	9	3,332.51
1/4	264.77	1/4	608.03	1/4	944.97	1/4	1,280.08	1/4	1,623.36	1/4	1,966.63	1/4	2,309.91	1/4	2,653.19	1/4	2,996.46	1/4	3,339.66
1/2	271.92	1/2	615.19	1/2	951.82	1/2	1,287.23	1/2	1,630.51	1/2	1,973.79	1/2	2,317.06	1/2	2,660.34	1/2	3,003.62	1/2	3,346.81
3/4	279.07	3/4	622.34	3/4	958.66	3/4	1,294.38	3/4	1,637.66	3/4	1,980.94	3/4	2,324.21	3/4	2,667.49	3/4	3,010.77	3/4	3,353.96
10	286.22	10	629.49	10	965.51	10	1,301.54	10	1,644.81	10	1,988.09	10	2,331.37	10	2,674.64	10	3,017.92	10	3,361.11
1/4	293.37	1/4	636.64	1/4	972.35	1/4	1,308.69	1/4	1,651.96	1/4	1,995.24	1/4	2,338.52	1/4	2,681.79	1/4	3,025.07	1/4	3,368.26
1/2	300.52	1/2	643.79	1/2	979.19	1/2	1,315.84	1/2	1,659.11	1/2	2,002.39	1/2	2,345.67	1/2	2,688.95	1/2	3,032.22	1/2	3,375.41
3/4	307.68	3/4	650.94	3/4	986.04	3/4	1,322.99	3/4	1,666.27	3/4	2,009.54	3/4	2,352.82	3/4	2,696.10	3/4	3,039.37	3/4	3,382.56
11	314.83	11	658.09	11	992.88	11	1,330.14	11	1,673.42	11	2,016.69	11	2,359.97	11	2,703.25	11	3,046.53	11	3,389.71
1/4	321.98	1/4	665.25	1/4	999.73	1/4	1,337.29	1/4	1,680.57	1/4	2,023.85	1/4	2,367.12	1/4	2,710.40	1/4	3,053.68	1/4	3,396.86
1/2	329.13	1/2	672.40	1/2	1,006.57	1/2	1,344.44	1/2	1,687.72	1/2	2,031.00	1/2	2,374.28	1/2	2,717.55	1/2	3,060.82	1/2	3,404.01
3/4	336.28	3/4	679.55	3/4	1,013.41	3/4	1,351.60	3/4	1,694.87	3/4	2,038.15	3/4	2,381.43	3/4	2,724.70	3/4	3,067.97	3/4	3,411.16

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" 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 "HSM 3318"

formerly the
BARGE "FMT 3318"

**2 PORT
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05 1/4"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,418.30	0	3,761.49	0	4,104.67	0	4,447.20	0	4,788.81	0		0		0		0		0	
1/4	3,425.45	1/4	3,768.64	1/4	4,111.82	1/4	4,454.31	1/4	4,795.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,432.60	1/2	3,775.78	1/2	4,118.97	1/2	4,461.43	1/2	4,803.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,439.75	3/4	3,782.93	3/4	4,126.12	3/4	4,468.55	3/4	4,810.16	3/4		3/4		3/4		3/4		3/4	
1	3,446.90	1	3,790.08	1	4,133.26	1	4,475.66	1	4,817.28	1		1		1		1		1	
1/4	3,454.05	1/4	3,797.23	1/4	4,140.41	1/4	4,482.78	1/4	4,824.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,461.20	1/2	3,804.38	1/2	4,147.56	1/2	4,489.90	1/2	4,831.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,468.35	3/4	3,811.53	3/4	4,154.71	3/4	4,497.01	3/4	4,838.63	3/4		3/4		3/4		3/4		3/4	
2	3,475.50	2	3,818.68	2	4,161.86	2	4,504.13	2	4,845.75	2		2		2		2		2	
1/4	3,482.65	1/4	3,825.83	1/4	4,169.01	1/4	4,511.25	1/4	4,852.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,489.80	1/2	3,832.98	1/2	4,176.16	1/2	4,518.37	1/2	4,859.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,496.95	3/4	3,840.13	3/4	4,183.31	3/4	4,525.48	3/4	4,867.10	3/4		3/4		3/4		3/4		3/4	
3	3,504.10	3	3,847.28	3	4,190.46	3	4,532.60	3	4,874.22	3		3		3		3		3	
1/4	3,511.25	1/4	3,854.43	1/4	4,197.61	1/4	4,539.72	1/4	4,881.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,518.40	1/2	3,861.58	1/2	4,204.76	1/2	4,546.83	1/2	4,888.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,525.55	3/4	3,868.73	3/4	4,211.91	3/4	4,553.95	3/4	4,895.43	3/4		3/4		3/4		3/4		3/4	
4	3,532.70	4	3,875.88	4	4,219.06	4	4,561.07	4	4,902.50	4		4		4		4		4	
1/4	3,539.85	1/4	3,883.03	1/4	4,226.21	1/4	4,568.18	1/4	4,909.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,547.00	1/2	3,890.18	1/2	4,233.36	1/2	4,575.30	1/2	4,916.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,554.15	3/4	3,897.33	3/4	4,240.51	3/4	4,582.42	3/4	4,923.72	3/4		3/4		3/4		3/4		3/4	
5	3,561.30	5	3,904.48	5	4,247.66	5	4,589.54	5	4,930.79	5		5		5		5		5	
1/4	3,568.45	1/4	3,911.63	1/4	4,254.81	1/4	4,596.65	1/4	4,937.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,575.60	1/2	3,918.78	1/2	4,261.96	1/2	4,603.77	1/2	4,944.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,582.75	3/4	3,925.93	3/4	4,269.11	3/4	4,610.89	3/4	4,952.00	3/4		3/4		3/4		3/4		3/4	
6	3,589.90	6	3,933.08	6	4,276.26	6	4,618.00	6	4,959.07	6		6		6		6		6	
1/4	3,597.04	1/4	3,940.23	1/4	4,283.41	1/4	4,625.12	1/4	4,966.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,604.19	1/2	3,947.38	1/2	4,290.56	1/2	4,632.24	1/2	4,973.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.34	3/4	3,954.52	3/4	4,297.71	3/4	4,639.35	3/4	4,980.24	3/4		3/4		3/4		3/4		3/4	
7	3,618.49	7	3,961.67	7	4,304.86	7	4,646.47	7	4,987.30	7		7		7		7		7	
1/4	3,625.64	1/4	3,968.82	1/4	4,311.97	1/4	4,653.59	1/4	4,994.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,632.79	1/2	3,975.97	1/2	4,319.09	1/2	4,660.71	1/2	5,001.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,639.94	3/4	3,983.12	3/4	4,326.21	3/4	4,667.82	3/4	5,008.31	3/4		3/4		3/4		3/4		3/4	
8	3,647.09	8	3,990.27	8	4,333.32	8	4,674.94	8	5,015.31	8		8		8		8		8	
1/4	3,654.24	1/4	3,997.42	1/4	4,340.44	1/4	4,682.06	1/4	5,021.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,661.39	1/2	4,004.57	1/2	4,347.56	1/2	4,689.17	1/2	5,027.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,668.54	3/4	4,011.72	3/4	4,354.67	3/4	4,696.29	3/4	5,033.84	3/4		3/4		3/4		3/4		3/4	
9	3,675.69	9	4,018.87	9	4,018.87	9	4,703.41	9	5,040.02	9		9		9		9		9	
1/4	3,682.84	1/4	4,026.02	1/4	4,368.91	1/4	4,710.52	1/4	5,045.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,689.99	1/2	4,033.17	1/2	4,376.03	1/2	4,717.64	1/2	5,049.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,697.14	3/4	4,040.32	3/4	4,383.14	3/4	4,724.76	3/4	5,054.98	3/4		3/4		3/4		3/4		3/4	
10	3,704.29	10	4,047.47	10	4,390.26	10	4,731.88	10	5,059.97	10		10		10		10		10	
1/4	3,711.44	1/4	4,054.62	1/4	4,397.38	1/4	4,738.99	1/4	5,063.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,718.59	1/2	4,061.77	1/2	4,404.49	1/2	4,746.11	1/2	5,067.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,725.74	3/4	4,068.92	3/4	4,411.61	3/4	4,753.23	3/4	5,071.35	3/4		3/4		3/4		3/4		3/4	
11	3,732.89	11	4,076.07	11	4,418.73	11	4,760.34	11	5,075.14	11		11		11		11		11	
1/4	3,740.04	1/4	4,083.22	1/4	4,425.84	1/4	4,767.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,747.19	1/2	4,090.37	1/2	4,432.96	1/2	4,774.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,754.34	3/4	4,097.52	3/4	4,440.08	3/4	4,781.69	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

2 STBD
INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	14.68	0	343.72	0	687.28	0	1,030.48	0	1,373.92	0	1,717.49	0	2,061.05	0	2,404.62	0	2,748.19	0	3,091.76
1/4	19.15	1/4	350.88	1/4	694.44	1/4	1,037.63	1/4	1,381.07	1/4	1,724.64	1/4	2,068.21	1/4	2,411.78	1/4	2,755.35	1/4	3,098.91
1/2	23.63	1/2	358.04	1/2	701.59	1/2	1,044.77	1/2	1,388.23	1/2	1,731.80	1/2	2,075.37	1/2	2,418.94	1/2	2,762.51	1/2	3,106.07
3/4	28.10	3/4	365.20	3/4	708.75	3/4	1,051.91	3/4	1,395.39	3/4	1,738.96	3/4	2,082.53	3/4	2,426.10	3/4	2,769.67	3/4	3,113.22
1	32.57	1	372.35	1	715.91	1	1,059.06	1	1,402.55	1	1,746.12	1	2,089.69	1	2,433.26	1	2,776.82	1	3,120.38
1/4	38.84	1/4	379.51	1/4	723.07	1/4	1,066.20	1/4	1,409.70	1/4	1,753.27	1/4	2,096.84	1/4	2,440.41	1/4	2,783.98	1/4	3,127.53
1/2	45.10	1/2	386.67	1/2	730.22	1/2	1,073.35	1/2	1,416.86	1/2	1,760.43	1/2	2,104.00	1/2	2,447.57	1/2	2,791.14	1/2	3,134.69
3/4	51.36	3/4	393.83	3/4	737.38	3/4	1,080.49	3/4	1,424.02	3/4	1,767.59	3/4	2,111.16	3/4	2,454.73	3/4	2,798.30	3/4	3,141.84
2	57.62	2	400.98	2	744.54	2	1,087.63	2	1,431.18	2	1,774.75	2	2,118.32	2	2,461.89	2	2,805.46	2	3,149.00
1/4	64.74	1/4	408.14	1/4	751.70	1/4	1,094.78	1/4	1,438.33	1/4	1,781.90	1/4	2,125.47	1/4	2,469.04	1/4	2,812.61	1/4	3,156.16
1/2	71.86	1/2	415.30	1/2	758.85	1/2	1,101.94	1/2	1,445.49	1/2	1,789.06	1/2	2,132.63	1/2	2,476.20	1/2	2,819.77	1/2	3,163.31
3/4	78.98	3/4	422.45	3/4	766.01	3/4	1,109.09	3/4	1,452.65	3/4	1,796.22	3/4	2,139.79	3/4	2,483.36	3/4	2,826.93	3/4	3,170.47
3	86.10	3	429.61	3	773.17	3	1,116.24	3	1,459.81	3	1,803.38	3	2,146.95	3	2,490.52	3	2,834.09	3	3,177.62
1/4	93.25	1/4	436.77	1/4	780.32	1/4	1,123.40	1/4	1,466.97	1/4	1,810.54	1/4	2,154.10	1/4	2,497.67	1/4	2,841.24	1/4	3,184.78
1/2	100.40	1/2	443.93	1/2	787.48	1/2	1,130.55	1/2	1,474.12	1/2	1,817.69	1/2	2,161.26	1/2	2,504.83	1/2	2,848.40	1/2	3,191.93
3/4	107.54	3/4	451.08	3/4	794.64	3/4	1,137.71	3/4	1,481.28	3/4	1,824.85	3/4	2,168.42	3/4	2,511.99	3/4	2,855.56	3/4	3,199.09
4	114.69	4	458.24	4	801.80	4	1,144.87	4	1,488.44	4	1,832.01	4	2,175.58	4	2,519.15	4	2,862.72	4	3,206.24
1/4	121.85	1/4	465.40	1/4	808.95	1/4	1,152.03	1/4	1,495.60	1/4	1,839.17	1/4	2,182.74	1/4	2,526.31	1/4	2,869.87	1/4	3,213.40
1/2	129.00	1/2	472.56	1/2	816.11	1/2	1,159.18	1/2	1,502.75	1/2	1,846.32	1/2	2,189.89	1/2	2,533.46	1/2	2,877.03	1/2	3,220.56
3/4	136.16	3/4	479.71	3/4	823.27	3/4	1,166.34	3/4	1,509.91	3/4	1,853.48	3/4	2,197.05	3/4	2,540.62	3/4	2,884.19	3/4	3,227.71
5	143.32	5	486.87	5	830.43	5	1,173.50	5	1,517.07	5	1,860.64	5	2,204.21	5	2,547.78	5	2,891.35	5	3,234.87
1/4	150.47	1/4	494.03	1/4	837.58	1/4	1,180.66	1/4	1,524.23	1/4	1,867.80	1/4	2,211.37	1/4	2,554.94	1/4	2,898.51	1/4	3,242.02
1/2	157.63	1/2	501.19	1/2	844.73	1/2	1,187.82	1/2	1,531.39	1/2	1,874.95	1/2	2,218.52	1/2	2,562.09	1/2	2,905.66	1/2	3,249.18
3/4	164.79	3/4	508.34	3/4	851.88	3/4	1,194.97	3/4	1,538.54	3/4	1,882.11	3/4	2,225.68	3/4	2,569.25	3/4	2,912.82	3/4	3,256.33
6	171.95	6	515.50	6	859.04	6	1,202.13	6	1,545.70	6	1,889.27	6	2,232.84	6	2,576.41	6	2,919.98	6	3,263.49
1/4	179.10	1/4	522.66	1/4	866.18	1/4	1,209.29	1/4	1,552.86	1/4	1,896.43	1/4	2,240.00	1/4	2,583.57	1/4	2,927.14	1/4	3,270.65
1/2	186.26	1/2	529.82	1/2	873.32	1/2	1,216.45	1/2	1,560.02	1/2	1,903.59	1/2	2,247.16	1/2	2,590.72	1/2	2,934.29	1/2	3,277.80
3/4	193.42	3/4	536.97	3/4	880.47	3/4	1,223.60	3/4	1,567.17	3/4	1,910.74	3/4	2,254.31	3/4	2,597.88	3/4	2,941.45	3/4	3,284.96
7	200.58	7	544.13	7	887.61	7	1,230.76	7	1,574.33	7	1,917.90	7	2,261.47	7	2,605.04	7	2,948.61	7	3,292.11
1/4	207.73	1/4	551.29	1/4	894.75	1/4	1,237.92	1/4	1,581.49	1/4	1,925.06	1/4	2,268.63	1/4	2,612.20	1/4	2,955.77	1/4	3,299.27
1/2	214.89	1/2	558.45	1/2	901.90	1/2	1,245.08	1/2	1,588.65	1/2	1,932.22	1/2	2,275.79	1/2	2,619.36	1/2	2,962.93	1/2	3,306.42
3/4	222.05	3/4	565.60	3/4	909.04	3/4	1,252.23	3/4	1,595.80	3/4	1,939.37	3/4	2,282.94	3/4	2,626.51	3/4	2,970.08	3/4	3,313.58
8	229.20	8	572.76	8	916.18	8	1,259.39	8	1,602.96	8	1,946.53	8	2,290.10	8	2,633.67	8	2,977.24	8	3,320.73
1/4	236.36	1/4	579.92	1/4	923.33	1/4	1,266.55	1/4	1,610.12	1/4	1,953.69	1/4	2,297.26	1/4	2,640.83	1/4	2,984.40	1/4	3,327.89
1/2	243.52	1/2	587.07	1/2	930.47	1/2	1,273.71	1/2	1,617.28	1/2	1,960.85	1/2	2,304.42	1/2	2,647.99	1/2	2,991.56	1/2	3,335.05
3/4	250.68	3/4	594.23	3/4	937.62	3/4	1,280.87	3/4	1,624.44	3/4	1,968.00	3/4	2,311.57	3/4	2,655.14	3/4	2,998.71	3/4	3,342.20
9	257.83	9	601.39	9	944.76	9	1,288.02	9	1,631.59	9	1,975.16	9	2,318.73	9	2,662.30	9	3,005.87	9	3,349.36
1/4	264.99	1/4	608.55	1/4	951.90	1/4	1,295.18	1/4	1,638.75	1/4	1,982.32	1/4	2,325.89	1/4	2,669.46	1/4	3,013.03	1/4	3,356.51
1/2	272.15	1/2	615.70	1/2	959.05	1/2	1,302.34	1/2	1,645.91	1/2	1,989.48	1/2	2,333.05	1/2	2,676.62	1/2	3,020.19	1/2	3,363.67
3/4	279.31	3/4	622.86	3/4	966.19	3/4	1,309.50	3/4	1,653.07	3/4	1,996.64	3/4	2,340.21	3/4	2,683.77	3/4	3,027.34	3/4	3,370.82
10	286.46	10	630.02	10	973.33	10	1,316.65	10	1,660.22	10	2,003.79	10	2,347.36	10	2,690.93	10	3,034.50	10	3,377.98
1/4	293.62	1/4	637.18	1/4	980.48	1/4	1,323.81	1/4	1,667.38	1/4	2,010.95	1/4	2,354.52	1/4	2,698.09	1/4	3,041.66	1/4	3,385.13
1/2	300.78	1/2	644.33	1/2	987.62	1/2	1,330.97	1/2	1,674.54	1/2	2,018.11	1/2	2,361.68	1/2	2,705.25	1/2	3,048.82	1/2	3,392.29
3/4	307.94	3/4	651.49	3/4	994.76	3/4	1,338.13	3/4	1,681.70	3/4	2,025.27	3/4	2,368.84	3/4	2,712.41	3/4	3,055.98	3/4	3,399.45
11	315.09	11	658.65	11	1,001.91	11	1,345.28	11	1,688.85	11	2,032.42	11	2,375.99	11	2,719.56	11	3,063.13	11	3,406.60
1/4	322.25	1/4	665.81	1/4	1,009.05	1/4	1,352.44	1/4	1,696.01	1/4	2,039.58	1/4	2,383.15	1/4	2,726.72	1/4	3,070.29	1/4	3,413.76
1/2	329.41	1/2	672.96	1/2	1,016.20	1/2	1,359.60	1/2	1,703.17	1/2	2,046.74	1/2	2,390.31	1/2	2,733.88	1/2	3,077.44	1/2	3,420.91
3/4	336.57	3/4	680.12	3/4	1,023.34	3/4	1,366.76	3/4	1,710.33	3/4	2,053.90	3/4	2,397.47	3/4	2,741.04	3/4	3,084.60	3/4	3,428.07

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" 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 "HSM 3318"
formerly the
BARGE "FMT 3318"

2 STBD
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,435.22	0	3,778.72	0	4,122.29	0	4,465.20	0	4,807.20	0		0		0		0		0	
1/4	3,442.38	1/4	3,785.88	1/4	4,129.45	1/4	4,472.33	1/4	4,814.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,449.54	1/2	3,793.03	1/2	4,136.60	1/2	4,479.45	1/2	4,821.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,456.69	3/4	3,800.19	3/4	4,143.76	3/4	4,486.58	3/4	4,828.58	3/4		3/4		3/4		3/4		3/4	
1	3,463.85	1	3,807.35	1	4,150.92	1	4,493.70	1	4,835.70	1		1		1		1		1	
1/4	3,471.00	1/4	3,814.51	1/4	4,158.08	1/4	4,500.83	1/4	4,842.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,478.16	1/2	3,821.66	1/2	4,165.23	1/2	4,507.95	1/2	4,849.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,485.31	3/4	3,828.82	3/4	4,172.39	3/4	4,515.08	3/4	4,857.08	3/4		3/4		3/4		3/4		3/4	
2	3,492.47	2	3,835.98	2	4,179.55	2	4,522.20	2	4,864.20	2		2		2		2		2	
1/4	3,499.62	1/4	3,843.14	1/4	4,186.71	1/4	4,529.33	1/4	4,871.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,506.78	1/2	3,850.30	1/2	4,193.86	1/2	4,536.45	1/2	4,878.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,513.94	3/4	3,857.45	3/4	4,201.02	3/4	4,543.58	3/4	4,885.58	3/4		3/4		3/4		3/4		3/4	
3	3,521.09	3	3,864.61	3	4,208.18	3	4,550.70	3	4,892.70	3		3		3		3		3	
1/4	3,528.25	1/4	3,871.77	1/4	4,215.34	1/4	4,557.83	1/4	4,899.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,535.40	1/2	3,878.93	1/2	4,222.50	1/2	4,564.95	1/2	4,906.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,542.56	3/4	3,886.08	3/4	4,229.65	3/4	4,572.08	3/4	4,913.94	3/4		3/4		3/4		3/4		3/4	
4	3,549.71	4	3,893.24	4	4,236.81	4	4,579.20	4	4,921.02	4		4		4		4		4	
1/4	3,556.87	1/4	3,900.40	1/4	4,243.97	1/4	4,586.33	1/4	4,928.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,564.02	1/2	3,907.56	1/2	4,251.13	1/2	4,593.45	1/2	4,935.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,571.18	3/4	3,914.71	3/4	4,258.28	3/4	4,600.58	3/4	4,942.26	3/4		3/4		3/4		3/4		3/4	
5	3,578.34	5	3,921.87	5	4,265.44	5	4,607.70	5	4,949.34	5		5		5		5		5	
1/4	3,585.49	1/4	3,929.03	1/4	4,272.60	1/4	4,614.83	1/4	4,956.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,592.65	1/2	3,936.19	1/2	4,279.76	1/2	4,621.95	1/2	4,963.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,599.80	3/4	3,943.35	3/4	4,286.91	3/4	4,629.08	3/4	4,970.57	3/4		3/4		3/4		3/4		3/4	
6	3,606.96	6	3,950.50	6	4,294.07	6	4,636.20	6	4,977.65	6		6		6		6		6	
1/4	3,614.11	1/4	3,957.66	1/4	4,301.23	1/4	4,643.33	1/4	4,984.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,621.27	1/2	3,964.82	1/2	4,308.39	1/2	4,650.45	1/2	4,991.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,628.43	3/4	3,971.98	3/4	4,315.55	3/4	4,657.58	3/4	4,998.85	3/4		3/4		3/4		3/4		3/4	
7	3,635.58	7	3,979.13	7	4,322.70	7	4,664.70	7	5,005.91	7		7		7		7		7	
1/4	3,642.74	1/4	3,986.29	1/4	4,329.83	1/4	4,671.83	1/4	5,012.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,649.89	1/2	3,993.45	1/2	4,336.95	1/2	4,678.95	1/2	5,019.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,657.05	3/4	4,000.61	3/4	4,344.08	3/4	4,686.08	3/4	5,026.95	3/4		3/4		3/4		3/4		3/4	
8	3,664.20	8	4,007.76	8	4,351.20	8	4,693.20	8	5,033.96	8		8		8		8		8	
1/4	3,671.36	1/4	4,014.92	1/4	4,358.33	1/4	4,700.33	1/4	5,040.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,678.51	1/2	4,022.08	1/2	4,365.45	1/2	4,707.45	1/2	5,046.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,685.67	3/4	4,029.24	3/4	4,372.58	3/4	4,714.58	3/4	5,052.51	3/4		3/4		3/4		3/4		3/4	
9	3,692.83	9	4,036.40	9	4,379.70	9	4,721.70	9	5,058.70	9		9		9		9		9	
1/4	3,699.98	1/4	4,043.55	1/4	4,386.83	1/4	4,728.83	1/4	5,063.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,707.14	1/2	4,050.71	1/2	4,393.95	1/2	4,735.95	1/2	5,068.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,714.30	3/4	4,057.87	3/4	4,401.08	3/4	4,743.08	3/4	5,073.68	3/4		3/4		3/4		3/4		3/4	
10	3,721.46	10	4,065.03	10	4,408.20	10	4,750.20	10	5,078.67	10		10		10		10		10	
1/4	3,728.61	1/4	4,072.18	1/4	4,415.33	1/4	4,757.33	1/4	5,082.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,735.77	1/2	4,079.34	1/2	4,422.45	1/2	4,764.45	1/2	5,086.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,742.93	3/4	4,086.50	3/4	4,429.58	3/4	4,771.58	3/4	5,090.07	3/4		3/4		3/4		3/4		3/4	
11	3,750.09	11	4,093.66	11	4,436.70	11	4,778.70	11	5,093.87	11		11		11		11		11	
1/4	3,757.24	1/4	4,100.81	1/4	4,443.83	1/4	4,785.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,764.40	1/2	4,107.97	1/2	4,450.95	1/2	4,792.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,771.56	3/4	4,115.13	3/4	4,458.08	3/4	4,800.08	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020



BARGE "HSM 3318"

formerly the

BARGE "FMT 3318"

3 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.66	0	343.16	0	685.63	0	1,018.44	0	1,356.19	0	1,698.55	0	2,040.92	0	2,383.28	0	2,725.62	0	3,068.12
1/4	19.12	1/4	350.30	1/4	692.76	1/4	1,025.26	1/4	1,363.32	1/4	1,705.69	1/4	2,048.05	1/4	2,390.42	1/4	2,732.75	1/4	3,075.25
1/2	23.59	1/2	357.45	1/2	699.90	1/2	1,032.08	1/2	1,370.45	1/2	1,712.82	1/2	2,055.18	1/2	2,397.55	1/2	2,739.89	1/2	3,082.37
3/4	28.06	3/4	364.59	3/4	707.03	3/4	1,038.91	3/4	1,377.59	3/4	1,719.95	3/4	2,062.32	3/4	2,404.68	3/4	2,747.02	3/4	3,089.50
1	32.52	1	371.74	1	714.17	1	1,045.73	1	1,384.72	1	1,727.08	1	2,069.45	1	2,411.81	1	2,754.15	1	3,096.63
1/4	38.77	1/4	378.87	1/4	721.30	1/4	1,052.55	1/4	1,391.85	1/4	1,734.22	1/4	2,076.58	1/4	2,418.95	1/4	2,761.28	1/4	3,103.76
1/2	45.02	1/2	386.01	1/2	728.43	1/2	1,059.37	1/2	1,398.98	1/2	1,741.35	1/2	2,083.71	1/2	2,426.08	1/2	2,768.41	1/2	3,110.88
3/4	51.27	3/4	393.14	3/4	735.57	3/4	1,066.20	3/4	1,406.12	3/4	1,748.48	3/4	2,090.85	3/4	2,433.21	3/4	2,775.54	3/4	3,118.01
2	57.53	2	400.27	2	742.70	2	1,073.02	2	1,413.25	2	1,755.61	2	2,097.98	2	2,440.34	2	2,782.68	2	3,125.14
1/4	64.63	1/4	407.41	1/4	749.83	1/4	1,079.85	1/4	1,420.38	1/4	1,762.75	1/4	2,105.11	1/4	2,447.48	1/4	2,789.81	1/4	3,132.25
1/2	71.74	1/2	414.54	1/2	756.97	1/2	1,086.68	1/2	1,427.51	1/2	1,769.88	1/2	2,112.24	1/2	2,454.61	1/2	2,796.94	1/2	3,139.36
3/4	78.85	3/4	421.68	3/4	764.10	3/4	1,093.51	3/4	1,434.65	3/4	1,777.01	3/4	2,119.38	3/4	2,461.74	3/4	2,804.07	3/4	3,146.47
3	85.96	3	428.81	3	771.24	3	1,100.34	3	1,441.78	3	1,784.14	3	2,126.51	3	2,468.87	3	2,811.20	3	3,153.58
1/4	93.10	1/4	435.94	1/4	778.37	1/4	1,107.24	1/4	1,448.91	1/4	1,791.28	1/4	2,133.64	1/4	2,476.01	1/4	2,818.34	1/4	3,160.69
1/2	100.23	1/2	443.08	1/2	785.50	1/2	1,114.14	1/2	1,456.04	1/2	1,798.41	1/2	2,140.77	1/2	2,483.14	1/2	2,825.47	1/2	3,167.80
3/4	107.37	3/4	450.21	3/4	792.64	3/4	1,121.04	3/4	1,463.18	3/4	1,805.54	3/4	2,147.91	3/4	2,490.27	3/4	2,832.60	3/4	3,174.91
4	114.50	4	457.34	4	799.77	4	1,127.95	4	1,470.31	4	1,812.67	4	2,155.04	4	2,497.40	4	2,839.73	4	3,182.02
1/4	121.65	1/4	464.48	1/4	806.67	1/4	1,135.08	1/4	1,477.44	1/4	1,819.81	1/4	2,162.17	1/4	2,504.54	1/4	2,846.86	1/4	3,189.13
1/2	128.79	1/2	471.61	1/2	813.58	1/2	1,142.21	1/2	1,484.58	1/2	1,826.94	1/2	2,169.30	1/2	2,511.67	1/2	2,853.99	1/2	3,196.24
3/4	135.93	3/4	478.75	3/4	820.48	3/4	1,149.34	3/4	1,491.71	3/4	1,834.07	3/4	2,176.44	3/4	2,518.80	3/4	2,861.13	3/4	3,203.35
5	143.08	5	485.88	5	827.38	5	1,156.48	5	1,498.84	5	1,841.21	5	2,183.57	5	2,525.93	5	2,868.26	5	3,210.46
1/4	150.22	1/4	493.01	1/4	834.21	1/4	1,163.61	1/4	1,505.97	1/4	1,848.34	1/4	2,190.70	1/4	2,533.06	1/4	2,875.39	1/4	3,217.57
1/2	157.37	1/2	500.15	1/2	841.04	1/2	1,170.74	1/2	1,513.11	1/2	1,855.47	1/2	2,197.84	1/2	2,540.20	1/2	2,882.52	1/2	3,224.68
3/4	164.52	3/4	507.28	3/4	847.87	3/4	1,177.87	3/4	1,520.24	3/4	1,862.60	3/4	2,204.97	3/4	2,547.33	3/4	2,889.65	3/4	3,231.79
6	171.66	6	514.42	6	854.70	6	1,185.01	6	1,527.37	6	1,869.74	6	2,212.10	6	2,554.46	6	2,896.79	6	3,238.91
1/4	178.81	1/4	521.55	1/4	861.52	1/4	1,192.14	1/4	1,534.50	1/4	1,876.87	1/4	2,219.23	1/4	2,561.59	1/4	2,903.92	1/4	3,246.02
1/2	185.95	1/2	528.68	1/2	868.35	1/2	1,199.27	1/2	1,541.64	1/2	1,884.00	1/2	2,226.37	1/2	2,568.72	1/2	2,911.05	1/2	3,253.13
3/4	193.10	3/4	535.82	3/4	875.17	3/4	1,206.40	3/4	1,548.77	3/4	1,891.13	3/4	2,233.50	3/4	2,575.85	3/4	2,918.18	3/4	3,260.24
7	200.24	7	542.95	7	881.99	7	1,213.54	7	1,555.90	7	1,898.27	7	2,240.63	7	2,582.99	7	2,925.31	7	3,267.35
1/4	207.39	1/4	550.09	1/4	888.81	1/4	1,220.67	1/4	1,563.03	1/4	1,905.40	1/4	2,247.76	1/4	2,590.12	1/4	2,932.46	1/4	3,274.46
1/2	214.53	1/2	557.22	1/2	895.63	1/2	1,227.80	1/2	1,570.17	1/2	1,912.53	1/2	2,254.90	1/2	2,597.25	1/2	2,939.60	1/2	3,281.57
3/4	221.68	3/4	564.35	3/4	902.46	3/4	1,234.93	3/4	1,577.30	3/4	1,919.66	3/4	2,262.03	3/4	2,604.38	3/4	2,946.74	3/4	3,288.68
8	228.83	8	571.49	8	909.28	8	1,242.07	8	1,584.43	8	1,926.80	8	2,269.16	8	2,611.51	8	2,953.89	8	3,295.79
1/4	235.97	1/4	578.62	1/4	916.10	1/4	1,249.20	1/4	1,591.56	1/4	1,933.93	1/4	2,276.29	1/4	2,618.65	1/4	2,961.03	1/4	3,302.90
1/2	243.12	1/2	585.76	1/2	922.92	1/2	1,256.33	1/2	1,598.70	1/2	1,941.06	1/2	2,283.43	1/2	2,625.78	1/2	2,968.17	1/2	3,310.02
3/4	250.26	3/4	592.89	3/4	929.75	3/4	1,263.46	3/4	1,605.83	3/4	1,948.19	3/4	2,290.56	3/4	2,632.91	3/4	2,975.32	3/4	3,317.13
9	257.41	9	600.02	9	936.57	9	1,270.60	9	1,612.96	9	1,955.33	9	2,297.69	9	2,640.04	9	2,982.46	9	3,324.24
1/4	264.55	1/4	607.16	1/4	943.39	1/4	1,277.73	1/4	1,620.09	1/4	1,962.46	1/4	2,304.82	1/4	2,647.17	1/4	2,989.60	1/4	3,331.35
1/2	271.70	1/2	614.29	1/2	950.21	1/2	1,284.86	1/2	1,627.23	1/2	1,969.59	1/2	2,311.96	1/2	2,654.30	1/2	2,996.75	1/2	3,338.46
3/4	278.85	3/4	621.42	3/4	957.04	3/4	1,292.00	3/4	1,634.36	3/4	1,976.72	3/4	2,319.09	3/4	2,661.44	3/4	3,003.89	3/4	3,345.58
10	285.99	10	628.56	10	963.86	10	1,299.13	10	1,641.49	10	1,983.86	10	2,326.22	10	2,668.57	10	3,011.03	10	3,352.69
1/4	293.14	1/4	635.69	1/4	970.68	1/4	1,306.26	1/4	1,648.63	1/4	1,990.99	1/4	2,333.35	1/4	2,675.70	1/4	3,018.18	1/4	3,359.80
1/2	300.28	1/2	642.83	1/2	977.50	1/2	1,313.39	1/2	1,655.76	1/2	1,998.12	1/2	2,340.49	1/2	2,682.83	1/2	3,025.32	1/2	3,366.91
3/4	307.43	3/4	649.96	3/4	984.33	3/4	1,320.53	3/4	1,662.89	3/4	2,005.26	3/4	2,347.62	3/4	2,689.96	3/4	3,032.46	3/4	3,374.02
11	314.57	11	657.09	11	991.15	11	1,327.66	11	1,670.02	11	2,012.39	11	2,354.75	11	2,697.09	11	3,039.61	11	3,381.13
1/4	321.72	1/4	664.23	1/4	997.97	1/4	1,334.79	1/4	1,677.16	1/4	2,019.52	1/4	2,361.89	1/4	2,704.23	1/4	3,046.73	1/4	3,388.24
1/2	328.86	1/2	671.36	1/2	1,004.79	1/2	1,341.92	1/2	1,684.29	1/2	2,026.65	1/2	2,369.02	1/2	2,711.36	1/2	3,053.86	1/2	3,395.35
3/4	336.01	3/4	678.50	3/4	1,011.62	3/4	1,349.06	3/4	1,691.42	3/4	2,033.79	3/4	2,376.15	3/4	2,718.49	3/4	3,060.99	3/4	3,402.46

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" 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 "HSM 3318"

formerly the
BARGE "FMT 3318"

**3 PORT
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-05"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,387.45	0	3,597.08	0	3,807.29	0	4,017.11	0	4,226.40	0		0		0		0		0	
1/4	3,391.81	1/4	3,601.46	1/4	3,811.67	1/4	4,021.47	1/4	4,230.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,396.18	1/2	3,605.84	1/2	3,816.05	1/2	4,025.83	1/2	4,235.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,400.54	3/4	3,610.22	3/4	3,820.43	3/4	4,030.19	3/4	4,239.48	3/4		3/4		3/4		3/4		3/4	
1	3,404.90	1	3,614.60	1	3,824.81	1	4,034.55	1	4,243.84	1		1		1		1		1	
1/4	3,409.27	1/4	3,618.98	1/4	3,829.19	1/4	4,038.91	1/4	4,248.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,413.63	1/2	3,623.36	1/2	3,833.56	1/2	4,043.27	1/2	4,252.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,417.99	3/4	3,627.74	3/4	3,837.94	3/4	4,047.63	3/4	4,256.92	3/4		3/4		3/4		3/4		3/4	
2	3,422.36	2	3,632.12	2	3,842.32	2	4,051.99	2	4,261.28	2		2		2		2		2	
1/4	3,426.72	1/4	3,636.50	1/4	3,846.70	1/4	4,056.35	1/4	4,265.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,431.08	1/2	3,640.88	1/2	3,851.08	1/2	4,060.71	1/2	4,270.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,435.45	3/4	3,645.25	3/4	3,855.46	3/4	4,065.07	3/4	4,274.36	3/4		3/4		3/4		3/4		3/4	
3	3,439.81	3	3,649.63	3	3,859.84	3	4,069.43	3	4,278.72	3		3		3		3		3	
1/4	3,444.17	1/4	3,654.01	1/4	3,864.22	1/4	4,073.79	1/4	4,283.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,448.54	1/2	3,658.39	1/2	3,868.60	1/2	4,078.15	1/2	4,287.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,452.90	3/4	3,662.77	3/4	3,872.98	3/4	4,082.51	3/4	4,291.71	3/4		3/4		3/4		3/4		3/4	
4	3,457.26	4	3,667.15	4	3,877.36	4	4,086.87	4	4,296.05	4		4		4		4		4	
1/4	3,461.63	1/4	3,671.53	1/4	3,881.74	1/4	4,091.23	1/4	4,300.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,465.99	1/2	3,675.91	1/2	3,886.12	1/2	4,095.59	1/2	4,304.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,470.35	3/4	3,680.29	3/4	3,890.50	3/4	4,099.95	3/4	4,309.04	3/4		3/4		3/4		3/4		3/4	
5	3,474.72	5	3,684.67	5	3,894.87	5	4,104.31	5	4,313.37	5		5		5		5		5	
1/4	3,479.08	1/4	3,689.05	1/4	3,899.25	1/4	4,108.67	1/4	4,317.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,483.44	1/2	3,693.43	1/2	3,903.63	1/2	4,113.03	1/2	4,322.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,487.81	3/4	3,697.81	3/4	3,908.01	3/4	4,117.39	3/4	4,326.36	3/4		3/4		3/4		3/4		3/4	
6	3,492.17	6	3,702.19	6	3,912.39	6	4,121.75	6	4,330.69	6		6		6		6		6	
1/4	3,496.53	1/4	3,706.57	1/4	3,916.77	1/4	4,126.11	1/4	4,335.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,500.90	1/2	3,710.94	1/2	3,921.15	1/2	4,130.47	1/2	4,339.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,505.26	3/4	3,715.32	3/4	3,925.53	3/4	4,134.83	3/4	4,343.65	3/4		3/4		3/4		3/4		3/4	
7	3,509.62	7	3,719.70	7	3,929.91	7	4,139.19	7	4,347.96	7		7		7		7		7	
1/4	3,513.99	1/4	3,724.08	1/4	3,934.27	1/4	4,143.55	1/4	4,352.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,518.35	1/2	3,728.46	1/2	3,938.63	1/2	4,147.91	1/2	4,356.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,522.71	3/4	3,732.84	3/4	3,942.99	3/4	4,152.27	3/4	4,360.76	3/4		3/4		3/4		3/4		3/4	
8	3,527.08	8	3,737.22	8	3,947.35	8	4,156.63	8	4,365.02	8		8		8		8		8	
1/4	3,531.44	1/4	3,741.60	1/4	3,951.71	1/4	4,160.99	1/4	4,368.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,535.80	1/2	3,745.98	1/2	3,956.07	1/2	4,165.35	1/2	4,371.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,540.17	3/4	3,750.36	3/4	3,960.43	3/4	4,169.71	3/4	4,375.34	3/4		3/4		3/4		3/4		3/4	
9	3,544.53	9	3,754.74	9	3,964.79	9	4,174.07	9	4,378.78	9		9		9		9		9	
1/4	3,548.91	1/4	3,759.12	1/4	3,969.15	1/4	4,178.43	1/4	4,381.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,553.29	1/2	3,763.50	1/2	3,973.51	1/2	4,182.80	1/2	4,383.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,557.67	3/4	3,767.88	3/4	3,977.87	3/4	4,187.16	3/4	4,385.52	3/4		3/4		3/4		3/4		3/4	
10	3,562.05	10	3,772.25	10	3,982.23	10	4,191.52	10	4,387.77	10		10		10		10		10	
1/4	3,566.43	1/4	3,776.63	1/4	3,986.59	1/4	4,195.88	1/4	4,389.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,570.81	1/2	3,781.01	1/2	3,990.95	1/2	4,200.24	1/2	4,391.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,575.19	3/4	3,785.39	3/4	3,995.31	3/4	4,204.60	3/4	4,392.90	3/4		3/4		3/4		3/4		3/4	
11	3,579.57	11	3,789.77	11	3,999.67	11	4,208.96	11	4,394.61	11		11		11		11		11	
1/4	3,583.94	1/4	3,794.15	1/4	4,004.03	1/4	4,213.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,588.32	1/2	3,798.53	1/2	4,008.39	1/2	4,217.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,592.70	3/4	3,802.91	3/4	4,012.75	3/4	4,222.04	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020



BARGE "HSM 3318"

formerly the

BARGE "FMT 3318"

3 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.62	0	342.19	0	684.21	0	1,025.87	0	1,367.76	0	1,709.79	0	2,051.82	0	2,393.85	0	2,735.60	0	3,076.76
1/4	19.07	1/4	349.31	1/4	691.33	1/4	1,032.98	1/4	1,374.89	1/4	1,716.92	1/4	2,058.94	1/4	2,400.97	1/4	2,742.71	1/4	3,083.87
1/2	23.52	1/2	356.44	1/2	698.46	1/2	1,040.09	1/2	1,382.01	1/2	1,724.04	1/2	2,066.07	1/2	2,408.10	1/2	2,749.82	1/2	3,090.97
3/4	27.98	3/4	363.56	3/4	705.58	3/4	1,047.20	3/4	1,389.14	3/4	1,731.17	3/4	2,073.20	3/4	2,415.22	3/4	2,756.93	3/4	3,098.08
1	32.43	1	370.69	1	712.71	1	1,054.31	1	1,396.26	1	1,738.29	1	2,080.32	1	2,422.35	1	2,764.03	1	3,105.19
1/4	38.66	1/4	377.81	1/4	719.83	1/4	1,061.43	1/4	1,403.39	1/4	1,745.42	1/4	2,087.45	1/4	2,429.48	1/4	2,771.14	1/4	3,112.30
1/2	44.90	1/2	384.94	1/2	726.96	1/2	1,068.54	1/2	1,410.52	1/2	1,752.54	1/2	2,094.57	1/2	2,436.60	1/2	2,778.25	1/2	3,119.40
3/4	51.13	3/4	392.06	3/4	734.08	3/4	1,075.65	3/4	1,417.64	3/4	1,759.67	3/4	2,101.70	3/4	2,443.73	3/4	2,785.36	3/4	3,126.51
2	57.36	2	399.19	2	741.21	2	1,082.76	2	1,424.77	2	1,766.80	2	2,108.82	2	2,450.85	2	2,792.46	2	3,133.62
1/4	64.45	1/4	406.31	1/4	748.33	1/4	1,089.88	1/4	1,431.89	1/4	1,773.92	1/4	2,115.95	1/4	2,457.98	1/4	2,799.57	1/4	3,140.71
1/2	71.54	1/2	413.44	1/2	755.46	1/2	1,097.00	1/2	1,439.02	1/2	1,781.05	1/2	2,123.08	1/2	2,465.10	1/2	2,806.68	1/2	3,147.80
3/4	78.63	3/4	420.57	3/4	762.58	3/4	1,104.12	3/4	1,446.14	3/4	1,788.17	3/4	2,130.20	3/4	2,472.23	3/4	2,813.79	3/4	3,154.89
3	85.72	3	427.69	3	769.71	3	1,111.24	3	1,453.27	3	1,795.30	3	2,137.33	3	2,479.36	3	2,820.89	3	3,161.98
1/4	92.83	1/4	434.82	1/4	776.84	1/4	1,118.37	1/4	1,460.39	1/4	1,802.42	1/4	2,144.45	1/4	2,486.48	1/4	2,828.00	1/4	3,169.07
1/2	99.95	1/2	441.94	1/2	783.96	1/2	1,125.49	1/2	1,467.52	1/2	1,809.55	1/2	2,151.58	1/2	2,493.61	1/2	2,835.11	1/2	3,176.16
3/4	107.06	3/4	449.07	3/4	791.09	3/4	1,132.62	3/4	1,474.65	3/4	1,816.67	3/4	2,158.70	3/4	2,500.73	3/4	2,842.22	3/4	3,183.25
4	114.18	4	456.19	4	798.21	4	1,139.74	4	1,481.77	4	1,823.80	4	2,165.83	4	2,507.86	4	2,849.32	4	3,190.34
1/4	121.30	1/4	463.32	1/4	805.34	1/4	1,146.87	1/4	1,488.90	1/4	1,830.93	1/4	2,172.95	1/4	2,514.98	1/4	2,856.43	1/4	3,197.43
1/2	128.43	1/2	470.44	1/2	812.46	1/2	1,153.99	1/2	1,496.02	1/2	1,838.05	1/2	2,180.08	1/2	2,522.11	1/2	2,863.54	1/2	3,204.52
3/4	135.55	3/4	477.57	3/4	819.59	3/4	1,161.12	3/4	1,503.15	3/4	1,845.18	3/4	2,187.21	3/4	2,529.24	3/4	2,870.65	3/4	3,211.61
5	142.68	5	484.69	5	826.71	5	1,168.24	5	1,510.27	5	1,852.30	5	2,194.33	5	2,536.36	5	2,877.75	5	3,218.70
1/4	149.80	1/4	491.82	1/4	833.83	1/4	1,175.37	1/4	1,517.40	1/4	1,859.43	1/4	2,201.46	1/4	2,543.49	1/4	2,884.86	1/4	3,225.79
1/2	156.93	1/2	498.95	1/2	840.95	1/2	1,182.50	1/2	1,524.52	1/2	1,866.55	1/2	2,208.58	1/2	2,550.62	1/2	2,891.97	1/2	3,232.88
3/4	164.05	3/4	506.07	3/4	848.07	3/4	1,189.62	3/4	1,531.65	3/4	1,873.68	3/4	2,215.71	3/4	2,557.75	3/4	2,899.07	3/4	3,239.97
6	171.18	6	513.20	6	855.19	6	1,196.75	6	1,538.78	6	1,880.80	6	2,222.83	6	2,564.87	6	2,906.18	6	3,247.06
1/4	178.30	1/4	520.32	1/4	862.30	1/4	1,203.87	1/4	1,545.90	1/4	1,887.93	1/4	2,229.96	1/4	2,572.00	1/4	2,913.29	1/4	3,254.15
1/2	185.43	1/2	527.45	1/2	869.41	1/2	1,211.00	1/2	1,553.03	1/2	1,895.06	1/2	2,237.08	1/2	2,579.13	1/2	2,920.40	1/2	3,261.24
3/4	192.55	3/4	534.57	3/4	876.53	3/4	1,218.12	3/4	1,560.15	3/4	1,902.18	3/4	2,244.21	3/4	2,586.25	3/4	2,927.50	3/4	3,268.33
7	199.68	7	541.70	7	883.64	7	1,225.25	7	1,567.28	7	1,909.31	7	2,251.34	7	2,593.38	7	2,934.61	7	3,275.42
1/4	206.80	1/4	548.82	1/4	890.75	1/4	1,232.38	1/4	1,574.40	1/4	1,916.43	1/4	2,258.46	1/4	2,600.51	1/4	2,941.72	1/4	3,282.51
1/2	213.93	1/2	555.95	1/2	897.86	1/2	1,239.50	1/2	1,581.53	1/2	1,923.56	1/2	2,265.59	1/2	2,607.63	1/2	2,948.83	1/2	3,289.60
3/4	221.05	3/4	563.07	3/4	904.97	3/4	1,246.63	3/4	1,588.66	3/4	1,930.68	3/4	2,272.71	3/4	2,614.76	3/4	2,955.93	3/4	3,296.69
8	228.18	8	570.20	8	912.08	8	1,253.75	8	1,595.78	8	1,937.81	8	2,279.84	8	2,621.89	8	2,963.04	8	3,303.78
1/4	235.31	1/4	577.32	1/4	919.19	1/4	1,260.88	1/4	1,602.91	1/4	1,944.94	1/4	2,286.96	1/4	2,628.99	1/4	2,970.15	1/4	3,310.87
1/2	242.43	1/2	584.45	1/2	926.31	1/2	1,268.00	1/2	1,610.03	1/2	1,952.06	1/2	2,294.09	1/2	2,636.10	1/2	2,977.26	1/2	3,317.96
3/4	249.56	3/4	591.58	3/4	933.42	3/4	1,275.13	3/4	1,617.16	3/4	1,959.19	3/4	2,301.22	3/4	2,643.21	3/4	2,984.36	3/4	3,325.05
9	256.68	9	598.70	9	940.53	9	1,282.25	9	1,624.28	9	1,966.31	9	2,308.34	9	2,650.32	9	2,991.47	9	3,332.14
1/4	263.81	1/4	605.83	1/4	947.64	1/4	1,289.38	1/4	1,631.41	1/4	1,973.44	1/4	2,315.47	1/4	2,657.42	1/4	2,998.58	1/4	3,339.23
1/2	270.93	1/2	612.95	1/2	954.75	1/2	1,296.51	1/2	1,638.53	1/2	1,980.56	1/2	2,322.59	1/2	2,664.53	1/2	3,005.69	1/2	3,346.33
3/4	278.06	3/4	620.08	3/4	961.86	3/4	1,303.63	3/4	1,645.66	3/4	1,987.69	3/4	2,329.72	3/4	2,671.64	3/4	3,012.79	3/4	3,353.42
10	285.18	10	627.20	10	968.98	10	1,310.76	10	1,652.79	10	1,994.81	10	2,336.84	10	2,678.75	10	3,019.90	10	3,360.51
1/4	292.31	1/4	634.33	1/4	976.09	1/4	1,317.88	1/4	1,659.91	1/4	2,001.94	1/4	2,343.97	1/4	2,685.85	1/4	3,027.01	1/4	3,367.60
1/2	299.43	1/2	641.45	1/2	983.20	1/2	1,325.01	1/2	1,667.04	1/2	2,009.07	1/2	2,351.09	1/2	2,692.96	1/2	3,034.12	1/2	3,374.69
3/4	306.56	3/4	648.58	3/4	990.31	3/4	1,332.13	3/4	1,674.16	3/4	2,016.19	3/4	2,358.22	3/4	2,700.07	3/4	3,041.22	3/4	3,381.78
11	313.68	11	655.70	11	997.42	11	1,339.26	11	1,681.29	11	2,023.32	11	2,365.35	11	2,707.18	11	3,048.33	11	3,388.87
1/4	320.81	1/4	662.83	1/4	1,004.53	1/4	1,346.38	1/4	1,688.41	1/4	2,030.44	1/4	2,372.47	1/4	2,714.28	1/4	3,055.44	1/4	3,395.96
1/2	327.94	1/2	669.95	1/2	1,011.64	1/2	1,353.51	1/2	1,695.54	1/2	2,037.57	1/2	2,379.60	1/2	2,721.39	1/2	3,062.55	1/2	3,403.05
3/4	335.06	3/4	677.08	3/4	1,018.76	3/4	1,360.64	3/4	1,702.66	3/4	2,044.69	3/4	2,386.72	3/4	2,728.50	3/4	3,069.65	3/4	3,410.14

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-06" OFF CENTERLINE AND 42'-06" 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 "HSM 3318"
formerly the
BARGE "FMT 3318"

3 STBD
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,395.18	0	3,604.94	0	3,814.71	0	4,024.09	0	4,232.94	0		0		0		0		0	
1/4	3,399.55	1/4	3,609.31	1/4	3,819.08	1/4	4,028.44	1/4	4,237.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,403.92	1/2	3,613.68	1/2	3,823.45	1/2	4,032.79	1/2	4,241.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,408.29	3/4	3,618.06	3/4	3,827.82	3/4	4,037.15	3/4	4,245.99	3/4		3/4		3/4		3/4		3/4	
1	3,412.66	1	3,622.43	1	3,832.19	1	4,041.50	1	4,250.34	1		1		1		1		1	
1/4	3,417.03	1/4	3,626.80	1/4	3,836.56	1/4	4,045.85	1/4	4,254.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,421.40	1/2	3,631.17	1/2	3,840.93	1/2	4,050.20	1/2	4,259.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,425.77	3/4	3,635.54	3/4	3,845.30	3/4	4,054.55	3/4	4,263.40	3/4		3/4		3/4		3/4		3/4	
2	3,430.14	2	3,639.91	2	3,849.67	2	4,058.90	2	4,267.75	2		2		2		2		2	
1/4	3,434.51	1/4	3,644.28	1/4	3,854.04	1/4	4,063.25	1/4	4,272.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,438.88	1/2	3,648.65	1/2	3,858.41	1/2	4,067.60	1/2	4,276.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,443.25	3/4	3,653.02	3/4	3,862.78	3/4	4,071.95	3/4	4,280.80	3/4		3/4		3/4		3/4		3/4	
3	3,447.62	3	3,657.39	3	3,867.15	3	4,076.30	3	4,285.15	3		3		3		3		3	
1/4	3,451.99	1/4	3,661.76	1/4	3,871.52	1/4	4,080.66	1/4	4,289.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,456.36	1/2	3,666.13	1/2	3,875.89	1/2	4,085.01	1/2	4,293.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,460.73	3/4	3,670.50	3/4	3,880.26	3/4	4,089.36	3/4	4,298.12	3/4		3/4		3/4		3/4		3/4	
4	3,465.10	4	3,674.87	4	3,884.63	4	4,093.71	4	4,302.44	4		4		4		4		4	
1/4	3,469.47	1/4	3,679.24	1/4	3,889.00	1/4	4,098.06	1/4	4,306.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,473.84	1/2	3,683.61	1/2	3,893.37	1/2	4,102.41	1/2	4,311.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,478.21	3/4	3,687.98	3/4	3,897.74	3/4	4,106.76	3/4	4,315.41	3/4		3/4		3/4		3/4		3/4	
5	3,482.58	5	3,692.35	5	3,902.11	5	4,111.11	5	4,319.73	5		5		5		5		5	
1/4	3,486.95	1/4	3,696.72	1/4	3,906.48	1/4	4,115.46	1/4	4,324.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,491.32	1/2	3,701.09	1/2	3,910.85	1/2	4,119.81	1/2	4,328.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,495.69	3/4	3,705.46	3/4	3,915.22	3/4	4,124.17	3/4	4,332.69	3/4		3/4		3/4		3/4		3/4	
6	3,500.06	6	3,709.83	6	3,919.59	6	4,128.52	6	4,337.01	6		6		6		6		6	
1/4	3,504.43	1/4	3,714.20	1/4	3,923.96	1/4	4,132.87	1/4	4,341.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,508.80	1/2	3,718.57	1/2	3,928.33	1/2	4,137.22	1/2	4,345.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,513.17	3/4	3,722.94	3/4	3,932.70	3/4	4,141.57	3/4	4,349.94	3/4		3/4		3/4		3/4		3/4	
7	3,517.54	7	3,727.31	7	3,937.07	7	4,145.92	7	4,354.25	7		7		7		7		7	
1/4	3,521.91	1/4	3,731.68	1/4	3,941.42	1/4	4,150.27	1/4	4,358.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,526.28	1/2	3,736.05	1/2	3,945.77	1/2	4,154.62	1/2	4,362.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,530.65	3/4	3,740.42	3/4	3,950.13	3/4	4,158.97	3/4	4,367.02	3/4		3/4		3/4		3/4		3/4	
8	3,535.02	8	3,744.79	8	3,954.48	8	4,163.32	8	4,371.27	8		8		8		8		8	
1/4	3,539.39	1/4	3,749.16	1/4	3,958.83	1/4	4,167.68	1/4	4,374.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,543.76	1/2	3,753.53	1/2	3,963.18	1/2	4,172.03	1/2	4,378.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,548.13	3/4	3,757.90	3/4	3,967.53	3/4	4,176.38	3/4	4,381.57	3/4		3/4		3/4		3/4		3/4	
9	3,552.50	9	3,762.27	9	3,971.88	9	4,180.73	9	4,385.00	9		9		9		9		9	
1/4	3,556.87	1/4	3,766.64	1/4	3,976.23	1/4	4,185.08	1/4	4,387.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,561.24	1/2	3,771.01	1/2	3,980.58	1/2	4,189.43	1/2	4,389.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,565.61	3/4	3,775.38	3/4	3,984.93	3/4	4,193.78	3/4	4,391.74	3/4		3/4		3/4		3/4		3/4	
10	3,569.98	10	3,779.75	10	3,989.28	10	4,198.13	10	4,393.98	10		10		10		10		10	
1/4	3,574.35	1/4	3,784.12	1/4	3,993.64	1/4	4,202.48	1/4	4,395.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,578.72	1/2	3,788.49	1/2	3,997.99	1/2	4,206.83	1/2	4,397.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,583.09	3/4	3,792.86	3/4	4,002.34	3/4	4,211.19	3/4	4,399.10	3/4		3/4		3/4		3/4		3/4	
11	3,587.46	11	3,797.23	11	4,006.69	11	4,215.54	11	4,400.81	11		11		11		11		11	
1/4	3,591.83	1/4	3,801.60	1/4	4,011.04	1/4	4,219.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,596.20	1/2	3,805.97	1/2	4,015.39	1/2	4,224.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,600.57	3/4	3,810.34	3/4	4,019.74	3/4	4,228.59	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

ULLAGE (10" 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	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
1 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
2 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
3 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
3 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-0/8	- 08-0/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8

(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 08-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-08 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

August 5, 2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

1 PORT
ULLAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,029.09	0	4,744.31	0	4,403.37	0	4,061.58	0	3,719.08	0	3,376.64	0	3,034.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,027.09	1/4	4,737.20	1/4	4,396.26	1/4	4,054.44	1/4	3,711.94	1/4	3,369.51	1/4	3,027.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,025.08	1/2	4,730.10	1/2	4,389.16	1/2	4,047.31	1/2	3,704.81	1/2	3,362.38	1/2	3,019.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,023.08	3/4	4,723.00	3/4	4,382.06	3/4	4,040.17	3/4	3,697.67	3/4	3,355.24	3/4	3,012.83
1		1		1		1	5,021.08	1	4,715.89	1	4,374.96	1	4,033.04	1	3,690.53	1	3,348.11	1	3,005.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,017.88	1/4	4,708.79	1/4	4,367.85	1/4	4,025.90	1/4	3,683.40	1/4	3,340.98	1/4	2,998.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,014.69	1/2	4,701.69	1/2	4,360.75	1/2	4,018.77	1/2	3,676.26	1/2	3,333.84	1/2	2,991.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,011.50	3/4	4,694.59	3/4	4,353.65	3/4	4,011.63	3/4	3,669.13	3/4	3,326.71	3/4	2,984.29
2		2		2		2	5,008.31	2	4,687.48	2	4,346.54	2	4,004.50	2	3,661.99	2	3,319.58	2	2,977.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,003.92	1/4	4,680.38	1/4	4,339.44	1/4	3,997.36	1/4	3,654.86	1/4	3,312.44	1/4	2,970.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,999.54	1/2	4,673.28	1/2	4,332.34	1/2	3,990.23	1/2	3,647.72	1/2	3,305.31	1/2	2,962.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,995.16	3/4	4,666.17	3/4	4,325.23	3/4	3,983.09	3/4	3,640.59	3/4	3,298.18	3/4	2,955.75
3		3		3		3	4,990.78	3	4,659.07	3	4,318.13	3	3,975.95	3	3,633.45	3	3,291.04	3	2,948.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,985.21	1/4	4,651.97	1/4	4,311.03	1/4	3,968.82	1/4	3,626.32	1/4	3,283.91	1/4	2,941.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,979.64	1/2	4,644.87	1/2	4,303.93	1/2	3,961.68	1/2	3,619.19	1/2	3,276.77	1/2	2,934.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,974.06	3/4	4,637.76	3/4	4,296.82	3/4	3,954.55	3/4	3,612.05	3/4	3,269.64	3/4	2,927.21
4		4		4		4	4,968.49	4	4,630.66	4	4,289.72	4	3,947.41	4	3,604.92	4	3,262.51	4	2,920.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,961.91	1/4	4,623.56	1/4	4,282.62	1/4	3,940.28	1/4	3,597.79	1/4	3,255.37	1/4	2,912.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,955.34	1/2	4,616.45	1/2	4,275.51	1/2	3,933.14	1/2	3,590.65	1/2	3,248.24	1/2	2,905.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,948.76	3/4	4,609.35	3/4	4,268.41	3/4	3,926.01	3/4	3,583.52	3/4	3,241.11	3/4	2,898.67
5		5		5		5	4,942.18	5	4,602.25	5	4,261.31	5	3,918.87	5	3,576.39	5	3,233.97	5	2,891.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,935.17	1/4	4,595.15	1/4	4,254.19	1/4	3,911.73	1/4	3,569.25	1/4	3,226.84	1/4	2,884.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,928.15	1/2	4,588.04	1/2	4,247.07	1/2	3,904.60	1/2	3,562.12	1/2	3,219.71	1/2	2,877.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,921.13	3/4	4,580.94	3/4	4,239.95	3/4	3,897.46	3/4	3,554.98	3/4	3,212.57	3/4	2,870.13
6		6		6		6	4,914.12	6	4,573.84	6	4,232.83	6	3,890.33	6	3,547.85	6	3,205.44	6	2,862.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,907.07	1/4	4,566.73	1/4	4,225.70	1/4	3,883.19	1/4	3,540.72	1/4	3,198.30	1/4	2,855.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,900.01	1/2	4,559.63	1/2	4,218.56	1/2	3,876.06	1/2	3,533.58	1/2	3,191.17	1/2	2,848.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,892.96	3/4	4,552.53	3/4	4,211.43	3/4	3,868.92	3/4	3,526.45	3/4	3,184.04	3/4	2,841.59
7		7		7		7	4,885.91	7	4,545.42	7	4,204.29	7	3,861.79	7	3,519.32	7	3,176.90	7	2,834.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,878.86	1/4	4,538.32	1/4	4,197.15	1/4	3,854.65	1/4	3,512.18	1/4	3,169.77	1/4	2,827.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,871.80	1/2	4,531.22	1/2	4,190.02	1/2	3,847.52	1/2	3,505.05	1/2	3,162.64	1/2	2,820.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,864.74	3/4	4,524.12	3/4	4,182.88	3/4	3,840.38	3/4	3,497.92	3/4	3,155.50	3/4	2,813.04
8		8		8		8	4,857.68	8	4,517.01	8	4,175.75	8	3,833.24	8	3,490.78	8	3,148.37	8	2,805.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,850.62	1/4	4,509.91	1/4	4,168.61	1/4	3,826.11	1/4	3,483.65	1/4	3,141.24	1/4	2,798.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,843.57	1/2	4,502.81	1/2	4,161.48	1/2	3,818.97	1/2	3,476.52	1/2	3,134.10	1/2	2,791.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,836.51	3/4	4,495.70	3/4	4,154.34	3/4	3,811.84	3/4	3,469.38	3/4	3,126.97	3/4	2,784.50
9		9		9		9	4,829.45	9	4,488.60	9	4,147.21	9	3,804.70	9	3,462.25	9	3,119.84	9	2,777.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,822.37	1/4	4,481.50	1/4	4,140.07	1/4	3,797.57	1/4	3,455.11	1/4	3,112.70	1/4	2,770.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,815.29	1/2	4,474.40	1/2	4,132.94	1/2	3,790.43	1/2	3,447.98	1/2	3,105.57	1/2	2,763.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,808.21	3/4	4,467.29	3/4	4,125.80	3/4	3,783.30	3/4	3,440.85	3/4	3,098.43	3/4	2,755.96
10		10		10		10	4,801.13	10	4,460.19	10	4,118.66	10	3,776.16	10	3,433.71	10	3,091.30	10	2,748.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,794.03	1/4	4,453.09	1/4	4,111.53	1/4	3,769.02	1/4	3,426.58	1/4	3,084.17	1/4	2,741.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,786.92	1/2	4,445.98	1/2	4,104.39	1/2	3,761.89	1/2	3,419.45	1/2	3,077.03	1/2	2,734.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,779.82	3/4	4,438.88	3/4	4,097.26	3/4	3,754.75	3/4	3,412.31	3/4	3,069.90	3/4	2,727.42
11		11		11		11	5,032.80	11	4,772.72	11	4,431.78	11	4,090.12	11	3,747.62	11	3,062.77	11	2,720.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,031.87	1/4	4,765.61	1/4	4,424.68	1/4	4,082.99	1/4	3,740.48	1/4	3,055.63	1/4	2,713.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,030.95	1/2	4,758.51	1/2	4,417.57	1/2	4,075.85	1/2	3,733.35	1/2	3,048.50	1/2	2,706.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,030.02	3/4	4,751.41	3/4	4,410.47	3/4	4,068.72	3/4	3,726.21	3/4	3,041.37	3/4	2,698.88

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 ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" 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 "HSM 3318"

formerly the

BARGE "FMT 3318"

1 PORT
ULLAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,691.74	0	2,349.22	0	2,006.69	0	1,664.17	0	1,321.65	0	979.83	0	639.23	0	303.84	0	20.47	0	
1/4	2,684.60	1/4	2,342.08	1/4	1,999.56	1/4	1,657.03	1/4	1,314.51	1/4	972.75	1/4	632.09	1/4	297.29	1/4	17.67	1/4	
1/2	2,677.47	1/2	2,334.94	1/2	1,992.42	1/2	1,649.90	1/2	1,307.37	1/2	965.68	1/2	624.96	1/2	290.74	1/2	14.88	1/2	
3/4	2,670.33	3/4	2,327.81	3/4	1,985.28	3/4	1,642.76	3/4	1,300.24	3/4	958.60	3/4	617.82	3/4	284.18	3/4	12.08	3/4	
1	2,663.20	1	2,320.67	1	1,978.15	1	1,635.63	1	1,293.10	1	951.53	1	610.69	1	277.63	1	9.28	1	
1/4	2,656.06	1/4	2,313.54	1/4	1,971.01	1/4	1,628.49	1/4	1,285.97	1/4	944.45	1/4	603.55	1/4	271.16	1/4	7.50	1/4	
1/2	2,648.93	1/2	2,306.40	1/2	1,963.88	1/2	1,621.35	1/2	1,278.83	1/2	937.38	1/2	596.41	1/2	264.69	1/2	5.72	1/2	
3/4	2,641.79	3/4	2,299.26	3/4	1,956.74	3/4	1,614.22	3/4	1,271.69	3/4	930.30	3/4	589.28	3/4	258.23	3/4	3.93	3/4	
2	2,634.66	2	2,292.13	2	1,949.61	2	1,607.08	2	1,264.56	2	923.23	2	582.14	2	251.76	2	2.15	2	
1/4	2,627.52	1/4	2,284.99	1/4	1,942.47	1/4	1,599.95	1/4	1,257.42	1/4	916.15	1/4	575.01	1/4	245.37	1/4		1/4	
1/2	2,620.38	1/2	2,277.86	1/2	1,935.33	1/2	1,592.81	1/2	1,250.29	1/2	909.07	1/2	567.87	1/2	238.99	1/2		1/2	
3/4	2,613.24	3/4	2,270.72	3/4	1,928.20	3/4	1,585.67	3/4	1,243.15	3/4	902.00	3/4	560.74	3/4	232.60	3/4		3/4	
3	2,606.11	3	2,263.58	3	1,921.06	3	1,578.54	3	1,236.02	3	894.92	3	553.60	3	226.22	3		3	
1/4	2,598.97	1/4	2,256.45	1/4	1,913.93	1/4	1,571.40	1/4	1,228.88	1/4	887.85	1/4	546.46	1/4	219.91	1/4		1/4	
1/2	2,591.84	1/2	2,249.31	1/2	1,906.79	1/2	1,564.27	1/2	1,221.74	1/2	880.77	1/2	539.33	1/2	213.61	1/2		1/2	
3/4	2,584.70	3/4	2,242.18	3/4	1,899.65	3/4	1,557.13	3/4	1,214.61	3/4	873.70	3/4	532.19	3/4	207.31	3/4		3/4	
4	2,577.56	4	2,235.04	4	1,892.52	4	1,549.99	4	1,207.47	4	866.62	4	525.06	4	201.01	4		4	
1/4	2,570.43	1/4	2,227.91	1/4	1,885.38	1/4	1,542.86	1/4	1,200.34	1/4	859.55	1/4	517.92	1/4	194.79	1/4		1/4	
1/2	2,563.29	1/2	2,220.77	1/2	1,878.25	1/2	1,535.72	1/2	1,193.20	1/2	852.47	1/2	510.78	1/2	188.57	1/2		1/2	
3/4	2,556.16	3/4	2,213.63	3/4	1,871.11	3/4	1,528.59	3/4	1,186.06	3/4	845.39	3/4	503.65	3/4	182.35	3/4		3/4	
5	2,549.02	5	2,206.50	5	1,863.97	5	1,521.45	5	1,178.93	5	838.32	5	496.51	5	176.13	5		5	
1/4	2,541.88	1/4	2,199.36	1/4	1,856.84	1/4	1,514.32	1/4	1,171.79	1/4	831.24	1/4	489.40	1/4	170.00	1/4		1/4	
1/2	2,534.75	1/2	2,192.23	1/2	1,849.70	1/2	1,507.18	1/2	1,164.66	1/2	824.17	1/2	482.29	1/2	163.86	1/2		1/2	
3/4	2,527.61	3/4	2,185.09	3/4	1,842.57	3/4	1,500.04	3/4	1,157.52	3/4	817.09	3/4	475.18	3/4	157.73	3/4		3/4	
6	2,520.48	6	2,177.95	6	1,835.43	6	1,492.91	6	1,150.38	6	810.02	6	468.06	6	151.59	6		6	
1/4	2,513.34	1/4	2,170.82	1/4	1,828.29	1/4	1,485.77	1/4	1,143.25	1/4	802.94	1/4	461.02	1/4	145.54	1/4		1/4	
1/2	2,506.21	1/2	2,163.68	1/2	1,821.16	1/2	1,478.64	1/2	1,136.11	1/2	795.86	1/2	453.97	1/2	139.49	1/2		1/2	
3/4	2,499.07	3/4	2,156.55	3/4	1,814.02	3/4	1,471.50	3/4	1,128.98	3/4	788.78	3/4	446.92	3/4	133.44	3/4		3/4	
7	2,491.93	7	2,149.41	7	1,806.89	7	1,464.36	7	1,121.84	7	781.70	7	439.88	7	127.38	7		7	
1/4	2,484.80	1/4	2,142.27	1/4	1,799.75	1/4	1,457.23	1/4	1,114.70	1/4	774.61	1/4	432.91	1/4	121.42	1/4		1/4	
1/2	2,477.66	1/2	2,135.14	1/2	1,792.62	1/2	1,450.09	1/2	1,107.57	1/2	767.52	1/2	425.94	1/2	115.45	1/2		1/2	
3/4	2,470.53	3/4	2,128.00	3/4	1,785.48	3/4	1,442.96	3/4	1,100.43	3/4	760.42	3/4	418.98	3/4	109.48	3/4		3/4	
8	2,463.39	8	2,120.87	8	1,778.34	8	1,435.82	8	1,093.30	8	753.33	8	412.01	8	103.51	8		8	
1/4	2,456.25	1/4	2,113.73	1/4	1,771.21	1/4	1,428.68	1/4	1,086.18	1/4	746.21	1/4	405.12	1/4	97.63	1/4		1/4	
1/2	2,449.12	1/2	2,106.60	1/2	1,764.07	1/2	1,421.55	1/2	1,079.06	1/2	739.09	1/2	398.24	1/2	91.76	1/2		1/2	
3/4	2,441.98	3/4	2,099.46	3/4	1,756.94	3/4	1,414.41	3/4	1,071.94	3/4	731.98	3/4	391.35	3/4	85.88	3/4		3/4	
9	2,434.85	9	2,092.32	9	1,749.80	9	1,407.28	9	1,064.82	9	724.86	9	384.47	9	80.00	9		9	
1/4	2,427.71	1/4	2,085.19	1/4	1,742.66	1/4	1,400.14	1/4	1,057.73	1/4	717.72	1/4	377.66	1/4	74.22	1/4		1/4	
1/2	2,420.57	1/2	2,078.05	1/2	1,735.53	1/2	1,393.01	1/2	1,050.64	1/2	710.59	1/2	370.86	1/2	68.44	1/2		1/2	
3/4	2,413.44	3/4	2,070.92	3/4	1,728.39	3/4	1,385.87	3/4	1,043.54	3/4	703.45	3/4	364.06	3/4	62.66	3/4		3/4	
10	2,406.30	10	2,063.78	10	1,721.26	10	1,378.73	10	1,036.45	10	696.32	10	357.26	10	56.88	10		10	
1/4	2,399.17	1/4	2,056.64	1/4	1,714.12	1/4	1,371.60	1/4	1,029.37	1/4	689.18	1/4	350.54	1/4	51.63	1/4		1/4	
1/2	2,392.03	1/2	2,049.51	1/2	1,706.98	1/2	1,364.46	1/2	1,022.29	1/2	682.04	1/2	343.82	1/2	46.38	1/2		1/2	
3/4	2,384.90	3/4	2,042.37	3/4	1,699.85	3/4	1,357.33	3/4	1,015.21	3/4	674.91	3/4	337.10	3/4	41.12	3/4		3/4	
11	2,377.76	11	2,035.24	11	1,692.71	11	1,350.19	11	1,008.13	11	667.77	11	330.38	11	35.87	11		11	
1/4	2,370.62	1/4	2,028.10	1/4	1,685.58	1/4	1,343.05	1/4	1,001.06	1/4	660.64	1/4	323.75	1/4	32.02	1/4		1/4	
1/2	2,363.49	1/2	2,020.96	1/2	1,678.44	1/2	1,335.92	1/2	993.98	1/2	653.50	1/2	317.11	1/2	28.17	1/2		1/2	
3/4	2,356.35	3/4	2,013.83	3/4	1,671.31	3/4	1,328.78	3/4	986.91	3/4	646.37	3/4	310.48	3/4	24.32	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020





BARGE "HSM 3318"
formerly the
BARGE "FMT 3318"

1 STBD
ULLAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	5,033.34	0	4,760.90	0	4,419.96	0	4,078.24	0	3,735.73	0	3,393.29	0	3,050.87		
1/4		1/4		1/4		1/4	5,032.41	1/4	4,753.80	1/4	4,412.86	1/4	4,071.10	1/4	3,728.59	1/4	3,386.15	1/4	3,043.73		
1/2		1/2		1/2		1/2	5,031.48	1/2	4,746.70	1/2	4,405.75	1/2	4,063.97	1/2	3,721.46	1/2	3,379.02	1/2	3,036.60		
3/4		3/4		3/4		3/4	5,029.48	3/4	4,739.60	3/4	4,398.65	3/4	4,056.83	3/4	3,714.32	3/4	3,371.88	3/4	3,029.47		
1		1		1		1	5,027.47	1	4,732.49	1	4,391.55	1	4,049.70	1	3,707.18	1	3,364.75	1	3,022.33		
1/4		1/4		1/4		1/4	5,025.47	1/4	4,725.39	1/4	4,384.45	1/4	4,042.56	1/4	3,700.05	1/4	3,357.62	1/4	3,015.20		
1/2		1/2		1/2		1/2	5,023.47	1/2	4,718.29	1/2	4,377.34	1/2	4,035.43	1/2	3,692.91	1/2	3,350.48	1/2	3,008.07		
3/4		3/4		3/4		3/4	5,020.27	3/4	4,711.18	3/4	4,370.24	3/4	4,028.29	3/4	3,685.78	3/4	3,343.35	3/4	3,000.93		
2		2		2		2	5,017.08	2	4,704.08	2	4,363.14	2	4,021.15	2	3,678.64	2	3,336.22	2	2,993.80		
1/4		1/4		1/4		1/4	5,013.89	1/4	4,696.98	1/4	4,356.03	1/4	4,014.02	1/4	3,671.51	1/4	3,329.08	1/4	2,986.66		
1/2		1/2		1/2		1/2	5,010.70	1/2	4,689.87	1/2	4,348.93	1/2	4,006.88	1/2	3,664.37	1/2	3,321.95	1/2	2,979.53		
3/4		3/4		3/4		3/4	5,006.31	3/4	4,682.77	3/4	4,341.83	3/4	3,999.75	3/4	3,657.23	3/4	3,314.82	3/4	2,972.39		
3		3		3		3	5,001.93	3	4,675.67	3	4,334.72	3	3,992.61	3	3,650.10	3	3,307.68	3	2,965.26		
1/4		1/4		1/4		1/4	4,997.55	1/4	4,668.57	1/4	4,327.62	1/4	3,985.48	1/4	3,642.96	1/4	3,300.55	1/4	2,958.12		
1/2		1/2		1/2		1/2	4,993.17	1/2	4,661.46	1/2	4,320.52	1/2	3,978.34	1/2	3,635.83	1/2	3,293.41	1/2	2,950.99		
3/4		3/4		3/4		3/4	4,987.60	3/4	4,654.36	3/4	4,313.42	3/4	3,971.20	3/4	3,628.69	3/4	3,286.28	3/4	2,943.85		
4		4		4		4	4,982.02	4	4,647.26	4	4,306.31	4	3,964.07	4	3,621.56	4	3,279.15	4	2,936.71		
1/4		1/4		1/4		1/4	4,976.45	1/4	4,640.15	1/4	4,299.21	1/4	3,956.93	1/4	3,614.43	1/4	3,272.01	1/4	2,929.58		
1/2		1/2		1/2		1/2	4,970.88	1/2	4,633.05	1/2	4,292.11	1/2	3,949.80	1/2	3,607.30	1/2	3,264.88	1/2	2,922.44		
3/4		3/4		3/4		3/4	4,964.30	3/4	4,625.95	3/4	4,285.00	3/4	3,942.66	3/4	3,600.16	3/4	3,257.75	3/4	2,915.31		
5		5		5		5	4,957.73	5	4,618.84	5	4,277.90	5	3,935.53	5	3,593.03	5	3,250.61	5	2,908.17		
1/4		1/4		1/4		1/4	4,951.15	1/4	4,611.74	1/4	4,270.80	1/4	3,928.39	1/4	3,585.90	1/4	3,243.48	1/4	2,901.04		
1/2		1/2		1/2		1/2	4,944.57	1/2	4,604.64	1/2	4,263.69	1/2	3,921.25	1/2	3,578.76	1/2	3,236.34	1/2	2,893.90		
3/4		3/4		3/4		3/4	4,937.55	3/4	4,597.54	3/4	4,256.58	3/4	3,914.12	3/4	3,571.63	3/4	3,229.21	3/4	2,886.76		
6		6		6		6	4,930.54	6	4,590.43	6	4,249.46	6	3,906.98	6	3,564.49	6	3,222.08	6	2,879.63		
1/4		1/4		1/4		1/4	4,923.52	1/4	4,583.33	1/4	4,242.34	1/4	3,899.85	1/4	3,557.36	1/4	3,214.94	1/4	2,872.49		
1/2		1/2		1/2		1/2	4,916.50	1/2	4,576.23	1/2	4,235.23	1/2	3,892.71	1/2	3,550.23	1/2	3,207.81	1/2	2,865.36		
3/4		3/4		3/4		3/4	4,909.45	3/4	4,569.12	3/4	4,228.09	3/4	3,885.58	3/4	3,543.09	3/4	3,200.68	3/4	2,858.22		
7		7		7		7	4,902.40	7	4,562.02	7	4,220.95	7	3,878.44	7	3,535.96	7	3,193.54	7	2,851.09		
1/4		1/4		1/4		1/4	4,895.35	1/4	4,554.92	1/4	4,213.82	1/4	3,871.30	1/4	3,528.83	1/4	3,186.41	1/4	2,843.95		
1/2		1/2		1/2		1/2	4,888.30	1/2	4,547.81	1/2	4,206.68	1/2	3,864.17	1/2	3,521.69	1/2	3,179.27	1/2	2,836.82		
3/4		3/4		3/4		3/4	4,881.25	3/4	4,540.71	3/4	4,199.55	3/4	3,857.03	3/4	3,514.56	3/4	3,172.14	3/4	2,829.68		
8		8		8		8	4,874.19	8	4,533.61	8	4,192.41	8	3,849.90	8	3,507.43	8	3,165.01	8	2,822.54		
1/4		1/4		1/4		1/4	4,867.13	1/4	4,526.51	1/4	4,185.28	1/4	3,842.76	1/4	3,500.29	1/4	3,157.87	1/4	2,815.41		
1/2		1/2		1/2		1/2	4,860.07	1/2	4,519.40	1/2	4,178.14	1/2	3,835.63	1/2	3,493.16	1/2	3,150.74	1/2	2,808.27		
3/4		3/4		3/4		3/4	4,853.02	3/4	4,512.30	3/4	4,171.00	3/4	3,828.49	3/4	3,486.02	3/4	3,143.61	3/4	2,801.14		
9		9		9		9	4,845.96	9	4,505.20	9	4,163.87	9	3,821.36	9	3,478.89	9	3,136.47	9	2,794.00		
1/4		1/4		1/4		1/4	4,838.90	1/4	4,498.09	1/4	4,156.73	1/4	3,814.22	1/4	3,471.76	1/4	3,129.34	1/4	2,786.87		
1/2		1/2		1/2		1/2	4,831.84	1/2	4,490.99	1/2	4,149.60	1/2	3,807.08	1/2	3,464.62	1/2	3,122.21	1/2	2,779.73		
3/4		3/4		3/4		3/4	4,824.76	3/4	4,483.89	3/4	4,142.46	3/4	3,799.95	3/4	3,457.49	3/4	3,115.07	3/4	2,772.60		
10		10		10		10	4,817.68	10	4,476.78	10	4,135.33	10	3,792.81	10	3,450.36	10	3,107.94	10	2,765.46		
1/4		1/4		1/4		1/4	4,810.60	1/4	4,469.68	1/4	4,128.19	1/4	3,785.68	1/4	3,443.22	1/4	3,100.80	1/4	2,758.32		
1/2		1/2		1/2		1/2	4,803.52	1/2	4,462.58	1/2	4,121.05	1/2	3,778.54	1/2	3,436.09	1/2	3,093.67	1/2	2,751.19		
3/4		3/4		3/4		3/4	4,796.42	3/4	4,455.48	3/4	4,113.92	3/4	3,771.41	3/4	3,428.95	3/4	3,086.54	3/4	2,744.05		
11		11		11		11	4,789.32	11	4,448.37	11	4,106.78	11	3,764.27	11	3,421.82	11	3,079.40	11	2,736.92		
1/4		1/4		1/4		1/4	4,782.21	1/4	4,441.27	1/4	4,099.65	1/4	3,757.13	1/4	3,414.69	1/4	3,072.27	1/4	2,729.78		
1/2		1/2		1/2		1/2	5,035.19	1/2	4,775.11	1/2	4,434.17	1/2	4,092.51	1/2	3,750.00	1/2	3,407.55	1/2	3,065.14	1/2	2,722.65
3/4		3/4		3/4		3/4	5,034.26	3/4	4,768.01	3/4	4,427.06	3/4	4,085.38	3/4	3,742.86	3/4	3,400.42	3/4	3,058.00	3/4	2,715.51

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 ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3318"

formerly the

BARGE "FMT 3318"

1 STBD
ULLAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,708.37	0	2,365.85	0	2,023.32	0	1,680.79	0	1,338.26	0	995.77	0	653.50	0	317.07	0	28.17	0	
1/4	2,701.24	1/4	2,358.71	1/4	2,016.18	1/4	1,673.65	1/4	1,331.13	1/4	988.64	1/4	646.36	1/4	310.44	1/4	24.32	1/4	
1/2	2,694.10	1/2	2,351.57	1/2	2,009.05	1/2	1,666.52	1/2	1,323.99	1/2	981.52	1/2	639.23	1/2	303.80	1/2	20.47	1/2	
3/4	2,686.97	3/4	2,344.44	3/4	2,001.91	3/4	1,659.38	3/4	1,316.85	3/4	974.39	3/4	632.09	3/4	297.25	3/4	17.67	3/4	
1	2,679.83	1	2,337.30	1	1,994.77	1	1,652.25	1	1,309.72	1	967.26	1	624.96	1	290.70	1	14.88	1	
1/4	2,672.70	1/4	2,330.17	1/4	1,987.64	1/4	1,645.11	1/4	1,302.58	1/4	960.14	1/4	617.82	1/4	284.15	1/4	12.08	1/4	
1/2	2,665.56	1/2	2,323.03	1/2	1,980.50	1/2	1,637.97	1/2	1,295.45	1/2	953.01	1/2	610.69	1/2	277.60	1/2	9.28	1/2	
3/4	2,658.43	3/4	2,315.89	3/4	1,973.37	3/4	1,630.84	3/4	1,288.31	3/4	945.88	3/4	603.55	3/4	271.13	3/4	7.50	3/4	
2	2,651.29	2	2,308.76	2	1,966.23	2	1,623.70	2	1,281.17	2	938.75	2	596.41	2	264.66	2	5.72	2	
1/4	2,644.15	1/4	2,301.62	1/4	1,959.09	1/4	1,616.57	1/4	1,274.04	1/4	931.63	1/4	589.28	1/4	258.19	1/4	3.93	1/4	
1/2	2,637.02	1/2	2,294.49	1/2	1,951.96	1/2	1,609.43	1/2	1,266.90	1/2	924.50	1/2	582.14	1/2	251.72	1/2	2.15	1/2	
3/4	2,629.88	3/4	2,287.35	3/4	1,944.82	3/4	1,602.29	3/4	1,259.77	3/4	917.37	3/4	575.01	3/4	245.34	3/4		3/4	
3	2,622.74	3	2,280.21	3	1,937.69	3	1,595.16	3	1,252.63	3	910.25	3	567.87	3	238.95	3		3	
1/4	2,615.61	1/4	2,273.08	1/4	1,930.55	1/4	1,588.02	1/4	1,245.49	1/4	903.12	1/4	560.73	1/4	232.57	1/4		1/4	
1/2	2,608.47	1/2	2,265.94	1/2	1,923.41	1/2	1,580.89	1/2	1,238.36	1/2	895.99	1/2	553.60	1/2	226.18	1/2		1/2	
3/4	2,601.33	3/4	2,258.81	3/4	1,916.28	3/4	1,573.75	3/4	1,231.22	3/4	888.86	3/4	546.46	3/4	219.88	3/4		3/4	
4	2,594.20	4	2,251.67	4	1,909.14	4	1,566.61	4	1,224.09	4	881.74	4	539.33	4	213.58	4		4	
1/4	2,587.06	1/4	2,244.53	1/4	1,902.01	1/4	1,559.48	1/4	1,216.95	1/4	874.61	1/4	532.19	1/4	207.28	1/4		1/4	
1/2	2,579.93	1/2	2,237.40	1/2	1,894.87	1/2	1,552.34	1/2	1,209.81	1/2	867.48	1/2	525.06	1/2	200.98	1/2		1/2	
3/4	2,572.79	3/4	2,230.26	3/4	1,887.73	3/4	1,545.21	3/4	1,202.68	3/4	860.36	3/4	517.92	3/4	194.76	3/4		3/4	
5	2,565.65	5	2,223.13	5	1,880.60	5	1,538.07	5	1,195.54	5	853.23	5	510.78	5	188.54	5		5	
1/4	2,558.52	1/4	2,215.99	1/4	1,873.46	1/4	1,530.93	1/4	1,188.41	1/4	846.10	1/4	503.65	1/4	182.32	1/4		1/4	
1/2	2,551.38	1/2	2,208.85	1/2	1,866.33	1/2	1,523.80	1/2	1,181.27	1/2	838.98	1/2	496.51	1/2	176.11	1/2		1/2	
3/4	2,544.25	3/4	2,201.72	3/4	1,859.19	3/4	1,516.66	3/4	1,174.13	3/4	831.85	3/4	489.40	3/4	169.97	3/4		3/4	
6	2,537.11	6	2,194.58	6	1,852.05	6	1,509.53	6	1,167.00	6	824.72	6	482.28	6	163.84	6		6	
1/4	2,529.97	1/4	2,187.45	1/4	1,844.92	1/4	1,502.39	1/4	1,159.86	1/4	817.59	1/4	475.17	1/4	157.70	1/4		1/4	
1/2	2,522.84	1/2	2,180.31	1/2	1,837.78	1/2	1,495.25	1/2	1,152.73	1/2	810.47	1/2	468.05	1/2	151.57	1/2		1/2	
3/4	2,515.70	3/4	2,173.17	3/4	1,830.65	3/4	1,488.12	3/4	1,145.59	3/4	803.34	3/4	461.00	3/4	145.52	3/4		3/4	
7	2,508.57	7	2,166.04	7	1,823.51	7	1,480.98	7	1,138.45	7	796.21	7	453.95	7	139.47	7		7	
1/4	2,501.43	1/4	2,158.90	1/4	1,816.37	1/4	1,473.85	1/4	1,131.32	1/4	789.07	1/4	446.90	1/4	133.42	1/4		1/4	
1/2	2,494.29	1/2	2,151.77	1/2	1,809.24	1/2	1,466.71	1/2	1,124.18	1/2	781.94	1/2	439.84	1/2	127.36	1/2		1/2	
3/4	2,487.16	3/4	2,144.63	3/4	1,802.10	3/4	1,459.57	3/4	1,117.05	3/4	774.81	3/4	432.87	3/4	121.40	3/4		3/4	
8	2,480.02	8	2,137.49	8	1,794.97	8	1,452.44	8	1,109.91	8	767.67	8	425.91	8	115.43	8		8	
1/4	2,472.89	1/4	2,130.36	1/4	1,787.83	1/4	1,445.30	1/4	1,102.77	1/4	760.54	1/4	418.94	1/4	109.46	1/4		1/4	
1/2	2,465.75	1/2	2,123.22	1/2	1,780.69	1/2	1,438.17	1/2	1,095.64	1/2	753.40	1/2	411.97	1/2	103.50	1/2		1/2	
3/4	2,458.61	3/4	2,116.09	3/4	1,773.56	3/4	1,431.03	3/4	1,088.50	3/4	746.27	3/4	405.08	3/4	97.62	3/4		3/4	
9	2,451.48	9	2,108.95	9	1,766.42	9	1,423.89	9	1,081.37	9	739.13	9	398.20	9	91.74	9		9	
1/4	2,444.34	1/4	2,101.81	1/4	1,759.29	1/4	1,416.76	1/4	1,074.23	1/4	731.99	1/4	391.31	1/4	85.86	1/4		1/4	
1/2	2,437.21	1/2	2,094.68	1/2	1,752.15	1/2	1,409.62	1/2	1,067.09	1/2	724.86	1/2	384.43	1/2	79.98	1/2		1/2	
3/4	2,430.07	3/4	2,087.54	3/4	1,745.01	3/4	1,402.49	3/4	1,059.96	3/4	717.72	3/4	377.62	3/4	74.21	3/4		3/4	
10	2,422.93	10	2,080.41	10	1,737.88	10	1,395.35	10	1,052.82	10	710.59	10	370.82	10	68.43	10		10	
1/4	2,415.80	1/4	2,073.27	1/4	1,730.74	1/4	1,388.21	1/4	1,045.69	1/4	703.45	1/4	364.02	1/4	62.65	1/4		1/4	
1/2	2,408.66	1/2	2,066.13	1/2	1,723.61	1/2	1,381.08	1/2	1,038.55	1/2	696.31	1/2	357.22	1/2	56.87	1/2		1/2	
3/4	2,401.53	3/4	2,059.00	3/4	1,716.47	3/4	1,373.94	3/4	1,031.42	3/4	689.18	3/4	350.50	3/4	51.62	3/4		3/4	
11	2,394.39	11	2,051.86	11	1,709.33	11	1,366.81	11	1,024.29	11	682.04	11	343.78	11	46.37	11		11	
1/4	2,387.25	1/4	2,044.73	1/4	1,702.20	1/4	1,359.67	1/4	1,017.16	1/4	674.91	1/4	337.06	1/4	41.12	1/4		1/4	
1/2	2,380.12	1/2	2,037.59	1/2	1,695.06	1/2	1,352.53	1/2	1,010.03	1/2	667.77	1/2	330.34	1/2	35.86	1/2		1/2	
3/4	2,372.98	3/4	2,030.45	3/4	1,687.93	3/4	1,345.40	3/4	1,002.90	3/4	660.64	3/4	323.71	3/4	32.02	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020





BARGE "HSM 3318"

formerly the

BARGE "FMT 3318"

2 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	5,090.23	0	4,817.28	0	4,475.66	0	4,133.27	0	3,790.08	0	3,446.90	0	3,103.72		
1/4		1/4		1/4		1/4	5,089.30	1/4	4,810.16	1/4	4,468.55	1/4	4,126.12	1/4	3,782.94	1/4	3,439.75	1/4	3,096.57		
1/2		1/2		1/2		1/2	5,088.38	1/2	4,803.05	1/2	4,461.43	1/2	4,118.97	1/2	3,775.79	1/2	3,432.60	1/2	3,089.42		
3/4		3/4		3/4		3/4	5,086.37	3/4	4,795.93	3/4	4,454.31	3/4	4,111.82	3/4	3,768.64	3/4	3,425.46	3/4	3,082.27		
1		1		1		1	5,084.36	1	4,788.81	1	4,447.20	1	4,104.67	1	3,761.49	1	3,418.31	1	3,075.12		
1/4		1/4		1/4		1/4	5,082.36	1/4	4,781.70	1/4	4,440.08	1/4	4,097.52	1/4	3,754.34	1/4	3,411.16	1/4	3,067.98		
1/2		1/2		1/2		1/2	5,080.35	1/2	4,774.58	1/2	4,432.96	1/2	4,090.37	1/2	3,747.19	1/2	3,404.01	1/2	3,060.83		
3/4		3/4		3/4		3/4	5,077.15	3/4	4,767.46	3/4	4,425.84	3/4	4,083.22	3/4	3,740.04	3/4	3,396.86	3/4	3,053.68		
2		2		2		2	5,073.95	2	4,760.34	2	4,418.73	2	4,076.07	2	3,732.89	2	3,389.71	2	3,046.54		
1/4		1/4		1/4		1/4	5,070.75	1/4	4,753.23	1/4	4,411.61	1/4	4,068.92	1/4	3,725.74	1/4	3,382.56	1/4	3,039.39		
1/2		1/2		1/2		1/2	5,067.56	1/2	4,746.11	1/2	4,404.49	1/2	4,061.77	1/2	3,718.59	1/2	3,375.41	1/2	3,032.25		
3/4		3/4		3/4		3/4	5,063.17	3/4	4,738.99	3/4	4,397.38	3/4	4,054.62	3/4	3,711.44	3/4	3,368.26	3/4	3,025.10		
3		3		3		3	5,058.78	3	4,731.88	3	4,390.26	3	4,047.47	3	3,704.29	3	3,361.11	3	3,017.95		
1/4		1/4		1/4		1/4	5,054.39	1/4	4,724.76	1/4	4,383.14	1/4	4,040.32	1/4	3,697.14	1/4	3,353.96	1/4	3,010.79		
1/2		1/2		1/2		1/2	5,050.00	1/2	4,717.64	1/2	4,376.03	1/2	4,033.17	1/2	3,689.99	1/2	3,346.81	1/2	3,003.64		
3/4		3/4		3/4		3/4	5,044.41	3/4	4,710.53	3/4	4,368.91	3/4	4,026.02	3/4	3,682.84	3/4	3,339.66	3/4	2,996.49		
4		4		4		4	5,038.83	4	4,703.41	4	4,361.79	4	4,018.87	4	3,675.69	4	3,332.51	4	2,989.34		
1/4		1/4		1/4		1/4	5,033.25	1/4	4,696.29	1/4	4,354.67	1/4	4,011.72	1/4	3,668.54	1/4	3,325.36	1/4	2,982.19		
1/2		1/2		1/2		1/2	5,027.67	1/2	4,689.17	1/2	4,347.56	1/2	4,004.57	1/2	3,661.39	1/2	3,318.21	1/2	2,975.04		
3/4		3/4		3/4		3/4	5,021.08	3/4	4,682.06	3/4	4,340.44	3/4	3,997.42	3/4	3,654.24	3/4	3,311.06	3/4	2,967.88		
5		5		5		5	5,014.49	5	4,674.94	5	4,333.32	5	3,990.27	5	3,647.09	5	3,303.91	5	2,960.73		
1/4		1/4		1/4		1/4	5,007.89	1/4	4,667.82	1/4	4,326.21	1/4	3,983.12	1/4	3,639.94	1/4	3,296.76	1/4	2,953.58		
1/2		1/2		1/2		1/2	5,001.30	1/2	4,660.71	1/2	4,319.09	1/2	3,975.97	1/2	3,632.79	1/2	3,289.61	1/2	2,946.43		
3/4		3/4		3/4		3/4	4,994.27	3/4	4,653.59	3/4	4,311.96	3/4	3,968.82	3/4	3,625.64	3/4	3,282.46	3/4	2,939.28		
6		6		6		6	4,987.24	6	4,646.47	6	4,304.82	6	3,961.68	6	3,618.49	6	3,275.31	6	2,932.13		
1/4		1/4		1/4		1/4	4,980.21	1/4	4,639.35	1/4	4,297.69	1/4	3,954.53	1/4	3,611.34	1/4	3,268.16	1/4	2,924.97		
1/2		1/2		1/2		1/2	4,973.18	1/2	4,632.24	1/2	4,290.56	1/2	3,947.38	1/2	3,604.20	1/2	3,261.01	1/2	2,917.82		
3/4		3/4		3/4		3/4	4,966.12	3/4	4,625.12	3/4	4,283.41	3/4	3,940.23	3/4	3,597.05	3/4	3,253.86	3/4	2,910.67		
7		7		7		7	4,959.06	7	4,618.00	7	4,276.26	7	3,933.08	7	3,589.90	7	3,246.72	7	2,903.52		
1/4		1/4		1/4		1/4	4,951.99	1/4	4,610.89	1/4	4,269.11	1/4	3,925.93	1/4	3,582.75	1/4	3,239.57	1/4	2,896.37		
1/2		1/2		1/2		1/2	4,944.93	1/2	4,603.77	1/2	4,261.96	1/2	3,918.78	1/2	3,575.60	1/2	3,232.42	1/2	2,889.22		
3/4		3/4		3/4		3/4	4,937.86	3/4	4,596.65	3/4	4,254.81	3/4	3,911.63	3/4	3,568.45	3/4	3,225.27	3/4	2,882.06		
8		8		8		8	4,930.79	8	4,589.54	8	4,247.66	8	3,904.48	8	3,561.30	8	3,218.12	8	2,874.91		
1/4		1/4		1/4		1/4	4,923.72	1/4	4,582.42	1/4	4,240.51	1/4	3,897.33	1/4	3,554.15	1/4	3,210.97	1/4	2,867.76		
1/2		1/2		1/2		1/2	4,916.65	1/2	4,575.30	1/2	4,233.36	1/2	3,890.18	1/2	3,547.00	1/2	3,203.82	1/2	2,860.61		
3/4		3/4		3/4		3/4	4,909.57	3/4	4,568.18	3/4	4,226.21	3/4	3,883.03	3/4	3,539.85	3/4	3,196.67	3/4	2,853.46		
9		9		9		9	4,902.50	9	4,561.07	9	4,219.06	9	3,875.88	9	3,532.70	9	3,189.52	9	2,846.30		
1/4		1/4		1/4		1/4	4,895.43	1/4	4,553.95	1/4	4,211.91	1/4	3,868.73	1/4	3,525.55	1/4	3,182.37	1/4	2,839.15		
1/2		1/2		1/2		1/2	4,888.36	1/2	4,546.83	1/2	4,204.76	1/2	3,861.58	1/2	3,518.40	1/2	3,175.22	1/2	2,832.00		
3/4		3/4		3/4		3/4	4,881.26	3/4	4,539.72	3/4	4,197.61	3/4	3,854.43	3/4	3,511.25	3/4	3,168.07	3/4	2,824.85		
10		10		10		10	4,874.17	10	4,532.60	10	4,190.46	10	3,847.28	10	3,504.10	10	3,160.92	10	2,817.70		
1/4		1/4		1/4		1/4	4,867.08	1/4	4,525.48	1/4	4,183.31	1/4	3,840.13	1/4	3,496.95	1/4	3,153.77	1/4	2,810.55		
1/2		1/2		1/2		1/2	4,859.98	1/2	4,518.37	1/2	4,176.16	1/2	3,832.98	1/2	3,489.80	1/2	3,146.62	1/2	2,803.39		
3/4		3/4		3/4		3/4	4,852.87	3/4	4,511.25	3/4	4,169.01	3/4	3,825.83	3/4	3,482.65	3/4	3,139.47	3/4	2,796.24		
11		11		11		11	4,845.75	11	4,504.13	11	4,161.86	11	3,818.68	11	3,475.50	11	3,132.32	11	2,789.09		
1/4		1/4		1/4		1/4	4,838.63	1/4	4,497.01	1/4	4,154.71	1/4	3,811.53	1/4	3,468.35	1/4	3,125.17	1/4	2,781.94		
1/2		1/2		1/2		1/2	5,092.09	1/2	4,831.51	1/2	4,489.90	1/2	4,147.56	1/2	3,804.38	1/2	3,461.20	1/2	3,118.02	1/2	2,774.79
3/4		3/4		3/4		3/4	5,091.16	3/4	4,824.40	3/4	4,482.78	3/4	4,140.42	3/4	3,797.23	3/4	3,454.05	3/4	3,110.87	3/4	2,767.64

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 ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.

GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

2 PORT
ULLAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,760.48	0	2,417.20	0	2,073.92	0	1,730.64	0	1,387.36	0	1,047.64	0	715.31	0	372.04	0	34.33	0	
1/4	2,753.33	1/4	2,410.05	1/4	2,066.77	1/4	1,723.49	1/4	1,380.21	1/4	1,040.79	1/4	708.16	1/4	364.89	1/4	28.97	1/4	
1/2	2,746.18	1/2	2,402.90	1/2	2,059.62	1/2	1,716.34	1/2	1,373.05	1/2	1,033.95	1/2	701.00	1/2	357.74	1/2	23.61	1/2	
3/4	2,739.03	3/4	2,395.75	3/4	2,052.47	3/4	1,709.18	3/4	1,365.90	3/4	1,027.10	3/4	693.85	3/4	350.59	3/4	20.03	3/4	
1	2,731.88	1	2,388.60	1	2,045.31	1	1,702.03	1	1,358.75	1	1,020.26	1	686.70	1	343.43	1	16.46	1	
1/4	2,724.73	1/4	2,381.44	1/4	2,038.16	1/4	1,694.88	1/4	1,351.60	1/4	1,013.42	1/4	679.55	1/4	336.28	1/4	12.88	1/4	
1/2	2,717.57	1/2	2,374.29	1/2	2,031.01	1/2	1,687.73	1/2	1,344.45	1/2	1,006.57	1/2	672.40	1/2	329.13	1/2	9.31	1/2	
3/4	2,710.42	3/4	2,367.14	3/4	2,023.86	3/4	1,680.58	3/4	1,337.30	3/4	999.73	3/4	665.25	3/4	321.98	3/4	7.52	3/4	
2	2,703.27	2	2,359.99	2	2,016.71	2	1,673.43	2	1,330.14	2	992.88	2	658.10	2	314.83	2	5.73	2	
1/4	2,696.12	1/4	2,352.84	1/4	2,009.56	1/4	1,666.27	1/4	1,322.99	1/4	986.04	1/4	650.94	1/4	307.68	1/4	3.94	1/4	
1/2	2,688.97	1/2	2,345.69	1/2	2,002.40	1/2	1,659.12	1/2	1,315.84	1/2	979.20	1/2	643.79	1/2	300.53	1/2	2.15	1/2	
3/4	2,681.82	3/4	2,338.53	3/4	1,995.25	3/4	1,651.97	3/4	1,308.69	3/4	972.35	3/4	636.64	3/4	293.37	3/4		3/4	
3	2,674.66	3	2,331.38	3	1,988.10	3	1,644.82	3	1,301.54	3	965.51	3	629.49	3	286.22	3		3	
1/4	2,667.51	1/4	2,324.23	1/4	1,980.95	1/4	1,637.67	1/4	1,294.39	1/4	958.66	1/4	622.34	1/4	279.07	1/4		1/4	
1/2	2,660.36	1/2	2,317.08	1/2	1,973.80	1/2	1,630.52	1/2	1,287.23	1/2	951.82	1/2	615.19	1/2	271.92	1/2		1/2	
3/4	2,653.21	3/4	2,309.93	3/4	1,966.65	3/4	1,623.36	3/4	1,280.08	3/4	944.98	3/4	608.04	3/4	264.77	3/4		3/4	
4	2,646.06	4	2,302.78	4	1,959.49	4	1,616.21	4	1,272.93	4	938.13	4	600.88	4	257.62	4		4	
1/4	2,638.91	1/4	2,295.62	1/4	1,952.34	1/4	1,609.06	1/4	1,265.78	1/4	931.29	1/4	593.73	1/4	250.47	1/4		1/4	
1/2	2,631.75	1/2	2,288.47	1/2	1,945.19	1/2	1,601.91	1/2	1,258.63	1/2	924.44	1/2	586.58	1/2	243.31	1/2		1/2	
3/4	2,624.60	3/4	2,281.32	3/4	1,938.04	3/4	1,594.76	3/4	1,251.48	3/4	917.60	3/4	579.43	3/4	236.16	3/4		3/4	
5	2,617.45	5	2,274.17	5	1,930.89	5	1,587.61	5	1,244.32	5	910.76	5	572.28	5	229.01	5		5	
1/4	2,610.30	1/4	2,267.02	1/4	1,923.74	1/4	1,580.45	1/4	1,237.17	1/4	903.91	1/4	565.13	1/4	221.86	1/4		1/4	
1/2	2,603.15	1/2	2,259.87	1/2	1,916.58	1/2	1,573.30	1/2	1,230.02	1/2	897.07	1/2	557.98	1/2	214.71	1/2		1/2	
3/4	2,596.00	3/4	2,252.71	3/4	1,909.43	3/4	1,566.15	3/4	1,222.87	3/4	890.22	3/4	550.82	3/4	207.56	3/4		3/4	
6	2,588.84	6	2,245.56	6	1,902.28	6	1,559.00	6	1,215.72	6	883.38	6	543.67	6	200.41	6		6	
1/4	2,581.69	1/4	2,238.41	1/4	1,895.13	1/4	1,551.85	1/4	1,208.57	1/4	876.54	1/4	536.52	1/4	193.25	1/4		1/4	
1/2	2,574.54	1/2	2,231.26	1/2	1,887.98	1/2	1,544.70	1/2	1,201.41	1/2	869.69	1/2	529.37	1/2	186.10	1/2		1/2	
3/4	2,567.39	3/4	2,224.11	3/4	1,880.83	3/4	1,537.54	3/4	1,194.26	3/4	862.84	3/4	522.22	3/4	178.95	3/4		3/4	
7	2,560.24	7	2,216.96	7	1,873.67	7	1,530.39	7	1,187.11	7	856.00	7	515.07	7	171.80	7		7	
1/4	2,553.09	1/4	2,209.80	1/4	1,866.52	1/4	1,523.24	1/4	1,179.96	1/4	849.15	1/4	507.92	1/4	164.65	1/4		1/4	
1/2	2,545.93	1/2	2,202.65	1/2	1,859.37	1/2	1,516.09	1/2	1,172.81	1/2	842.30	1/2	500.76	1/2	157.50	1/2		1/2	
3/4	2,538.78	3/4	2,195.50	3/4	1,852.22	3/4	1,508.94	3/4	1,165.66	3/4	835.44	3/4	493.61	3/4	150.35	3/4		3/4	
8	2,531.63	8	2,188.35	8	1,845.07	8	1,501.79	8	1,158.50	8	828.58	8	486.46	8	143.20	8		8	
1/4	2,524.48	1/4	2,181.20	1/4	1,837.92	1/4	1,494.63	1/4	1,151.35	1/4	821.72	1/4	479.31	1/4	136.05	1/4		1/4	
1/2	2,517.33	1/2	2,174.05	1/2	1,830.76	1/2	1,487.48	1/2	1,144.20	1/2	814.86	1/2	472.16	1/2	128.89	1/2		1/2	
3/4	2,510.18	3/4	2,166.89	3/4	1,823.61	3/4	1,480.33	3/4	1,137.19	3/4	807.85	3/4	465.01	3/4	121.75	3/4		3/4	
9	2,503.02	9	2,159.74	9	1,816.46	9	1,473.18	9	1,130.18	9	800.84	9	457.86	9	114.60	9		9	
1/4	2,495.87	1/4	2,152.59	1/4	1,809.31	1/4	1,466.03	1/4	1,123.17	1/4	793.83	1/4	450.70	1/4	107.46	1/4		1/4	
1/2	2,488.72	1/2	2,145.44	1/2	1,802.16	1/2	1,458.88	1/2	1,116.16	1/2	786.82	1/2	443.55	1/2	100.31	1/2		1/2	
3/4	2,481.57	3/4	2,138.29	3/4	1,795.01	3/4	1,451.72	3/4	1,109.30	3/4	779.67	3/4	436.40	3/4	93.18	3/4		3/4	
10	2,474.42	10	2,131.13	10	1,787.85	10	1,444.57	10	1,102.44	10	772.52	10	429.25	10	86.06	10		10	
1/4	2,467.26	1/4	2,123.98	1/4	1,780.70	1/4	1,437.42	1/4	1,095.58	1/4	765.37	1/4	422.10	1/4	78.93	1/4		1/4	
1/2	2,460.11	1/2	2,116.83	1/2	1,773.55	1/2	1,430.27	1/2	1,088.72	1/2	758.22	1/2	414.95	1/2	71.80	1/2		1/2	
3/4	2,452.96	3/4	2,109.68	3/4	1,766.40	3/4	1,423.12	3/4	1,081.87	3/4	751.06	3/4	407.80	3/4	65.12	3/4		3/4	
11	2,445.81	11	2,102.53	11	1,759.25	11	1,415.96	11	1,075.02	11	743.91	11	400.65	11	58.43	11		11	
1/4	2,438.66	1/4	2,095.38	1/4	1,752.09	1/4	1,408.81	1/4	1,068.17	1/4	736.76	1/4	393.49	1/4	51.74	1/4		1/4	
1/2	2,431.51	1/2	2,088.22	1/2	1,744.94	1/2	1,401.66	1/2	1,061.32	1/2	729.61	1/2	386.34	1/2	45.06	1/2		1/2	
3/4	2,424.35	3/4	2,081.07	3/4	1,737.79	3/4	1,394.51	3/4	1,054.48	3/4	722.46	3/4	379.19	3/4	39.70	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020





BARGE "HSM 3318"
formerly the
BARGE "FMT 3318"

2 STBD
ULLAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,108.05	0	4,828.58	0	4,486.58	0	4,143.76	0	3,800.19	0	3,456.69	0	3,113.22
1/4		1/4		1/4		1/4	5,107.12	1/4	4,821.45	1/4	4,479.45	1/4	4,136.60	1/4	3,793.03	1/4	3,449.53	1/4	3,106.06
1/2		1/2		1/2		1/2	5,105.11	1/2	4,814.33	1/2	4,472.33	1/2	4,129.44	1/2	3,785.88	1/2	3,442.38	1/2	3,098.90
3/4		3/4		3/4		3/4	5,103.10	3/4	4,807.20	3/4	4,465.20	3/4	4,122.29	3/4	3,778.72	3/4	3,435.22	3/4	3,091.75
1		1		1		1	5,101.09	1	4,800.08	1	4,458.08	1	4,115.13	1	3,771.56	1	3,428.07	1	3,084.59
1/4		1/4		1/4		1/4	5,099.08	1/4	4,792.95	1/4	4,450.95	1/4	4,107.97	1/4	3,764.40	1/4	3,420.91	1/4	3,077.44
1/2		1/2		1/2		1/2	5,095.88	1/2	4,785.83	1/2	4,443.83	1/2	4,100.81	1/2	3,757.24	1/2	3,413.76	1/2	3,070.28
3/4		3/4		3/4		3/4	5,092.67	3/4	4,778.70	3/4	4,436.70	3/4	4,093.66	3/4	3,750.09	3/4	3,406.60	3/4	3,063.13
2		2		2		2	5,089.47	2	4,771.58	2	4,429.58	2	4,086.50	2	3,742.93	2	3,399.44	2	3,059.97
1/4		1/4		1/4		1/4	5,086.27	1/4	4,764.45	1/4	4,422.45	1/4	4,079.34	1/4	3,735.77	1/4	3,392.29	1/4	3,048.82
1/2		1/2		1/2		1/2	5,081.87	1/2	4,757.33	1/2	4,415.33	1/2	4,072.18	1/2	3,728.61	1/2	3,385.13	1/2	3,041.66
3/4		3/4		3/4		3/4	5,077.47	3/4	4,750.20	3/4	4,408.20	3/4	4,065.03	3/4	3,721.46	3/4	3,377.98	3/4	3,034.50
3		3		3		3	5,073.08	3	4,743.08	3	4,401.08	3	4,057.87	3	3,714.30	3	3,370.82	3	3,027.34
1/4		1/4		1/4		1/4	5,068.68	1/4	4,735.95	1/4	4,393.95	1/4	4,050.71	1/4	3,707.14	1/4	3,363.67	1/4	3,020.19
1/2		1/2		1/2		1/2	5,063.09	1/2	4,728.83	1/2	4,386.83	1/2	4,043.55	1/2	3,699.98	1/2	3,356.51	1/2	3,013.03
3/4		3/4		3/4		3/4	5,057.51	3/4	4,721.70	3/4	4,379.70	3/4	4,036.39	3/4	3,692.83	3/4	3,349.35	3/4	3,005.87
4		4		4		4	5,051.92	4	4,714.58	4	4,372.58	4	4,029.24	4	3,685.67	4	3,342.20	4	2,998.71
1/4		1/4		1/4		1/4	5,046.33	1/4	4,707.45	1/4	4,365.45	1/4	4,022.08	1/4	3,678.52	1/4	3,335.04	1/4	2,991.56
1/2		1/2		1/2		1/2	5,039.73	1/2	4,700.33	1/2	4,358.33	1/2	4,014.92	1/2	3,671.36	1/2	3,327.89	1/2	2,984.40
3/4		3/4		3/4		3/4	5,033.13	3/4	4,693.20	3/4	4,351.20	3/4	4,007.76	3/4	3,664.20	3/4	3,320.73	3/4	2,977.24
5		5		5		5	5,026.53	5	4,686.08	5	4,344.08	5	4,000.61	5	3,657.05	5	3,313.58	5	2,970.08
1/4		1/4		1/4		1/4	5,019.93	1/4	4,678.95	1/4	4,336.95	1/4	3,993.45	1/4	3,649.89	1/4	3,306.42	1/4	2,962.92
1/2		1/2		1/2		1/2	5,012.90	1/2	4,671.83	1/2	4,329.81	1/2	3,986.29	1/2	3,642.74	1/2	3,299.26	1/2	2,955.77
3/4		3/4		3/4		3/4	5,005.86	3/4	4,664.70	3/4	4,322.67	3/4	3,979.13	3/4	3,635.58	3/4	3,292.11	3/4	2,948.61
6		6		6		6	4,998.82	6	4,657.58	6	4,315.53	6	3,971.98	6	3,628.43	6	3,284.95	6	2,941.45
1/4		1/4		1/4		1/4	4,991.78	1/4	4,650.45	1/4	4,308.39	1/4	3,964.82	1/4	3,621.27	1/4	3,277.80	1/4	2,934.29
1/2		1/2		1/2		1/2	4,984.71	1/2	4,643.33	1/2	4,301.23	1/2	3,957.66	1/2	3,614.11	1/2	3,270.64	1/2	2,927.14
3/4		3/4		3/4		3/4	4,977.64	3/4	4,636.20	3/4	4,294.07	3/4	3,950.50	3/4	3,606.96	3/4	3,263.49	3/4	2,919.98
7		7		7		7	4,970.57	7	4,629.08	7	4,286.91	7	3,943.34	7	3,599.80	7	3,256.33	7	2,912.82
1/4		1/4		1/4		1/4	4,963.49	1/4	4,621.95	1/4	4,279.76	1/4	3,936.19	1/4	3,592.65	1/4	3,249.17	1/4	2,905.66
1/2		1/2		1/2		1/2	4,956.41	1/2	4,614.83	1/2	4,272.60	1/2	3,929.03	1/2	3,585.49	1/2	3,242.02	1/2	2,898.51
3/4		3/4		3/4		3/4	4,949.34	3/4	4,607.70	3/4	4,265.44	3/4	3,921.87	3/4	3,578.34	3/4	3,234.86	3/4	2,891.35
8		8		8		8	4,942.26	8	4,600.58	8	4,258.28	8	3,914.71	8	3,571.18	8	3,227.71	8	2,884.19
1/4		1/4		1/4		1/4	4,935.18	1/4	4,593.45	1/4	4,251.13	1/4	3,907.56	1/4	3,564.02	1/4	3,220.55	1/4	2,877.03
1/2		1/2		1/2		1/2	4,928.10	1/2	4,586.33	1/2	4,243.97	1/2	3,900.40	1/2	3,556.87	1/2	3,213.40	1/2	2,869.87
3/4		3/4		3/4		3/4	4,921.02	3/4	4,579.20	3/4	4,236.81	3/4	3,893.24	3/4	3,549.71	3/4	3,206.24	3/4	2,862.72
9		9		9		9	4,913.94	9	4,572.08	9	4,229.65	9	3,886.08	9	3,542.56	9	3,199.08	9	2,855.56
1/4		1/4		1/4		1/4	4,906.86	1/4	4,564.95	1/4	4,222.49	1/4	3,878.93	1/4	3,535.40	1/4	3,191.93	1/4	2,848.40
1/2		1/2		1/2		1/2	4,899.76	1/2	4,557.83	1/2	4,215.34	1/2	3,871.77	1/2	3,528.25	1/2	3,184.77	1/2	2,841.24
3/4		3/4		3/4		3/4	4,892.65	3/4	4,550.70	3/4	4,208.18	3/4	3,864.61	3/4	3,521.09	3/4	3,177.62	3/4	2,834.09
10		10		10		10	4,885.55	10	4,543.58	10	4,201.02	10	3,857.45	10	3,513.93	10	3,170.46	10	2,826.93
1/4		1/4		1/4		1/4	4,878.45	1/4	4,536.45	1/4	4,193.86	1/4	3,850.29	1/4	3,506.78	1/4	3,163.31	1/4	2,819.77
1/2		1/2		1/2		1/2	4,871.33	1/2	4,529.33	1/2	4,186.71	1/2	3,843.14	1/2	3,499.62	1/2	3,156.15	1/2	2,812.61
3/4		3/4		3/4		3/4	4,864.20	3/4	4,522.20	3/4	4,179.55	3/4	3,835.98	3/4	3,492.47	3/4	3,148.99	3/4	2,805.46
11		11		11		11	4,857.08	11	4,515.08	11	4,172.39	11	3,828.82	11	3,485.31	11	3,141.84	11	2,798.30
1/4		1/4		1/4		1/4	5,110.84	1/4	4,849.95	1/4	4,507.95	1/4	4,165.23	1/4	3,821.66	1/4	3,478.16	1/4	3,134.68
1/2		1/2		1/2		1/2	5,109.91	1/2	4,842.83	1/2	4,500.83	1/2	4,158.08	1/2	3,814.51	1/2	3,471.00	1/2	3,127.53
3/4		3/4		3/4		3/4	5,108.98	3/4	4,835.70	3/4	4,493.70	3/4	4,150.92	3/4	3,807.35	3/4	3,463.85	3/4	3,120.37

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 ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" 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 "HSM 3318"
formerly the
BARGE "FMT 3318"

2 STBD
ULLAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,769.67	0	2,426.10	0	2,082.53	0	1,738.96	0	1,395.39	0	1,051.91	0	708.75	0	365.20	0	28.99	0	
1/4	2,762.51	1/4	2,418.94	1/4	2,075.37	1/4	1,731.80	1/4	1,388.23	1/4	1,044.77	1/4	701.59	1/4	358.04	1/4	23.63	1/4	
1/2	2,755.35	1/2	2,411.78	1/2	2,068.21	1/2	1,724.64	1/2	1,381.07	1/2	1,037.63	1/2	694.44	1/2	350.88	1/2	20.05	1/2	
3/4	2,748.19	3/4	2,404.62	3/4	2,061.05	3/4	1,717.48	3/4	1,373.92	3/4	1,030.48	3/4	687.28	3/4	343.72	3/4	16.47	3/4	
1	2,741.04	1	2,397.47	1	2,053.90	1	1,710.33	1	1,366.76	1	1,023.34	1	680.12	1	336.57	1	12.89	1	
1/4	2,733.88	1/4	2,390.31	1/4	2,046.74	1/4	1,703.17	1/4	1,359.60	1/4	1,016.19	1/4	672.96	1/4	329.41	1/4	9.31	1/4	
1/2	2,726.72	1/2	2,383.15	1/2	2,039.58	1/2	1,696.01	1/2	1,352.44	1/2	1,009.05	1/2	665.81	1/2	322.25	1/2	7.52	1/2	
3/4	2,719.56	3/4	2,375.99	3/4	2,032.42	3/4	1,688.85	3/4	1,345.28	3/4	1,001.91	3/4	658.65	3/4	315.09	3/4	5.73	3/4	
2	2,712.41	2	2,368.84	2	2,025.27	2	1,681.70	2	1,338.13	2	994.76	2	651.49	2	307.94	2	3.95	2	
1/4	2,705.25	1/4	2,361.68	1/4	2,018.11	1/4	1,674.54	1/4	1,330.97	1/4	987.62	1/4	644.33	1/4	300.78	1/4	2.16	1/4	
1/2	2,698.09	1/2	2,354.52	1/2	2,010.95	1/2	1,667.38	1/2	1,323.81	1/2	980.48	1/2	637.18	1/2	293.62	1/2		1/2	
3/4	2,690.93	3/4	2,347.36	3/4	2,003.79	3/4	1,660.22	3/4	1,316.65	3/4	973.33	3/4	630.02	3/4	286.46	3/4		3/4	
3	2,683.77	3	2,340.20	3	1,996.64	3	1,653.07	3	1,309.50	3	966.19	3	622.86	3	279.31	3		3	
1/4	2,676.62	1/4	2,333.05	1/4	1,989.48	1/4	1,645.91	1/4	1,302.34	1/4	959.05	1/4	615.70	1/4	272.15	1/4		1/4	
1/2	2,669.46	1/2	2,325.89	1/2	1,982.32	1/2	1,638.75	1/2	1,295.18	1/2	951.90	1/2	608.55	1/2	264.99	1/2		1/2	
3/4	2,662.30	3/4	2,318.73	3/4	1,975.16	3/4	1,631.59	3/4	1,288.02	3/4	944.76	3/4	601.39	3/4	257.83	3/4		3/4	
4	2,655.14	4	2,311.57	4	1,968.00	4	1,624.43	4	1,280.87	4	937.61	4	594.23	4	250.68	4		4	
1/4	2,647.99	1/4	2,304.42	1/4	1,960.85	1/4	1,617.28	1/4	1,273.71	1/4	930.47	1/4	587.07	1/4	243.52	1/4		1/4	
1/2	2,640.83	1/2	2,297.26	1/2	1,953.69	1/2	1,610.12	1/2	1,266.55	1/2	923.33	1/2	579.92	1/2	236.36	1/2		1/2	
3/4	2,633.67	3/4	2,290.10	3/4	1,946.53	3/4	1,602.96	3/4	1,259.39	3/4	916.18	3/4	572.76	3/4	229.20	3/4		3/4	
5	2,626.51	5	2,282.94	5	1,939.37	5	1,595.80	5	1,252.23	5	909.04	5	565.60	5	222.05	5		5	
1/4	2,619.36	1/4	2,275.79	1/4	1,932.22	1/4	1,588.65	1/4	1,245.08	1/4	901.90	1/4	558.45	1/4	214.89	1/4		1/4	
1/2	2,612.20	1/2	2,268.63	1/2	1,925.06	1/2	1,581.49	1/2	1,237.92	1/2	894.75	1/2	551.29	1/2	207.73	1/2		1/2	
3/4	2,605.04	3/4	2,261.47	3/4	1,917.90	3/4	1,574.33	3/4	1,230.76	3/4	887.61	3/4	544.13	3/4	200.58	3/4		3/4	
6	2,597.88	6	2,254.31	6	1,910.74	6	1,567.17	6	1,223.60	6	880.47	6	536.97	6	193.42	6		6	
1/4	2,590.72	1/4	2,247.15	1/4	1,903.59	1/4	1,560.02	1/4	1,216.45	1/4	873.32	1/4	529.82	1/4	186.26	1/4		1/4	
1/2	2,583.57	1/2	2,240.00	1/2	1,896.43	1/2	1,552.86	1/2	1,209.29	1/2	866.18	1/2	522.66	1/2	179.10	1/2		1/2	
3/4	2,576.41	3/4	2,232.84	3/4	1,889.27	3/4	1,545.70	3/4	1,202.13	3/4	859.03	3/4	515.50	3/4	171.95	3/4		3/4	
7	2,569.25	7	2,225.68	7	1,882.11	7	1,538.54	7	1,194.97	7	851.88	7	508.34	7	164.79	7		7	
1/4	2,562.09	1/4	2,218.52	1/4	1,874.95	1/4	1,531.38	1/4	1,187.82	1/4	844.73	1/4	501.19	1/4	157.63	1/4		1/4	
1/2	2,554.94	1/2	2,211.37	1/2	1,867.80	1/2	1,524.23	1/2	1,180.66	1/2	837.58	1/2	494.03	1/2	150.47	1/2		1/2	
3/4	2,547.78	3/4	2,204.21	3/4	1,860.64	3/4	1,517.07	3/4	1,173.50	3/4	830.42	3/4	486.87	3/4	143.32	3/4		3/4	
8	2,540.62	8	2,197.05	8	1,853.48	8	1,509.91	8	1,166.34	8	823.27	8	479.71	8	136.16	8		8	
1/4	2,533.46	1/4	2,189.89	1/4	1,846.32	1/4	1,502.75	1/4	1,159.18	1/4	816.11	1/4	472.56	1/4	129.00	1/4		1/4	
1/2	2,526.31	1/2	2,182.74	1/2	1,839.17	1/2	1,495.60	1/2	1,152.03	1/2	808.95	1/2	465.40	1/2	121.85	1/2		1/2	
3/4	2,519.15	3/4	2,175.58	3/4	1,832.01	3/4	1,488.44	3/4	1,144.87	3/4	801.80	3/4	458.24	3/4	114.70	3/4		3/4	
9	2,511.99	9	2,168.42	9	1,824.85	9	1,481.28	9	1,137.71	9	794.64	9	451.08	9	107.55	9		9	
1/4	2,504.83	1/4	2,161.26	1/4	1,817.69	1/4	1,474.12	1/4	1,130.55	1/4	787.48	1/4	443.93	1/4	100.40	1/4		1/4	
1/2	2,497.67	1/2	2,154.10	1/2	1,810.54	1/2	1,466.97	1/2	1,123.40	1/2	780.32	1/2	436.77	1/2	93.26	1/2		1/2	
3/4	2,490.52	3/4	2,146.95	3/4	1,803.38	3/4	1,459.81	3/4	1,116.24	3/4	773.17	3/4	429.61	3/4	86.13	3/4		3/4	
10	2,483.36	10	2,139.79	10	1,796.22	10	1,452.65	10	1,109.09	10	766.01	10	422.45	10	79.00	10		10	
1/4	2,476.20	1/4	2,132.63	1/4	1,789.06	1/4	1,445.49	1/4	1,101.93	1/4	758.85	1/4	415.30	1/4	71.86	1/4		1/4	
1/2	2,469.04	1/2	2,125.47	1/2	1,781.90	1/2	1,438.33	1/2	1,094.79	1/2	751.69	1/2	408.14	1/2	65.17	1/2		1/2	
3/4	2,461.89	3/4	2,118.32	3/4	1,774.75	3/4	1,431.18	3/4	1,087.64	3/4	744.54	3/4	400.98	3/4	58.48	3/4		3/4	
11	2,454.73	11	2,111.16	11	1,767.59	11	1,424.02	11	1,080.49	11	737.38	11	393.82	11	51.79	11		11	
1/4	2,447.57	1/4	2,104.00	1/4	1,760.43	1/4	1,416.86	1/4	1,073.34	1/4	730.22	1/4	386.67	1/4	45.10	1/4		1/4	
1/2	2,440.41	1/2	2,096.84	1/2	1,753.27	1/2	1,409.70	1/2	1,066.20	1/2	723.07	1/2	379.51	1/2	39.73	1/2		1/2	
3/4	2,433.25	3/4	2,089.69	3/4	1,746.12	3/4	1,402.55	3/4	1,059.06	3/4	715.91	3/4	372.35	3/4	34.36	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020





BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

3 PORT ULLAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,407.03	0	4,243.83	0	4,034.54	0	3,824.80	0	3,614.60	0	3,404.90	0	3,096.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,405.95	1/4	4,239.47	1/4	4,030.18	1/4	3,820.42	1/4	3,610.22	1/4	3,400.54	1/4	3,089.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,404.87	1/2	4,235.11	1/2	4,025.82	1/2	3,816.05	1/2	3,605.84	1/2	3,396.17	1/2	3,082.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,403.16	3/4	4,230.75	3/4	4,021.46	3/4	3,811.67	3/4	3,601.46	3/4	3,391.82	3/4	3,075.24		
1	1	1	1	1	1	1	4,401.45	1	4,226.39	1	4,017.10	1	3,807.29	1	3,597.08	1	3,387.46	1	3,068.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,399.74	1/4	4,222.03	1/4	4,012.74	1/4	3,802.91	1/4	3,592.70	1/4	3,383.11	1/4	3,060.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,398.03	1/2	4,217.67	1/2	4,008.38	1/2	3,798.53	1/2	3,588.32	1/2	3,378.75	1/2	3,053.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,396.32	3/4	4,213.31	3/4	4,004.02	3/4	3,794.15	3/4	3,583.94	3/4	3,374.41	3/4	3,046.72		
2	2	2	2	2	2	2	4,394.61	2	4,208.95	2	3,999.66	2	3,789.77	2	3,579.56	2	3,370.06	2	3,039.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,392.90	1/4	4,204.59	1/4	3,995.30	1/4	3,785.39	1/4	3,575.18	1/4	3,365.72	1/4	3,032.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,391.19	1/2	4,200.23	1/2	3,990.94	1/2	3,781.01	1/2	3,570.80	1/2	3,361.37	1/2	3,025.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,389.21	3/4	4,195.87	3/4	3,986.58	3/4	3,776.63	3/4	3,566.43	3/4	3,355.64	3/4	3,018.17		
3	3	3	3	3	3	3	4,387.23	3	4,191.51	3	3,982.22	3	3,772.25	3	3,562.05	3	3,349.92	3	3,011.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,385.25	1/4	4,187.15	1/4	3,977.86	1/4	3,767.87	1/4	3,557.67	1/4	3,344.19	1/4	3,003.89		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,383.27	1/2	4,182.79	1/2	3,973.50	1/2	3,763.49	1/2	3,553.29	1/2	3,338.46	1/2	2,996.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,380.43	3/4	4,178.43	3/4	3,969.14	3/4	3,759.11	3/4	3,548.92	3/4	3,331.35	3/4	2,989.60		
4	4	4	4	4	4	4	4,377.58	4	4,174.07	4	3,964.78	4	3,754.74	4	3,544.54	4	3,324.24	4	2,982.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,374.74	1/4	4,169.71	1/4	3,960.42	1/4	3,750.36	1/4	3,540.17	1/4	3,317.12	1/4	2,975.31		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,371.89	1/2	4,165.35	1/2	3,956.06	1/2	3,745.98	1/2	3,535.80	1/2	3,310.01	1/2	2,968.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,368.04	3/4	4,160.99	3/4	3,951.70	3/4	3,741.60	3/4	3,531.44	3/4	3,302.90	3/4	2,961.03		
5	5	5	5	5	5	5	4,364.19	5	4,156.63	5	3,947.34	5	3,737.22	5	3,527.07	5	3,295.79	5	2,953.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,360.34	1/4	4,152.27	1/4	3,942.98	1/4	3,732.84	1/4	3,522.71	1/4	3,288.68	1/4	2,946.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,356.49	1/2	4,147.91	1/2	3,938.62	1/2	3,728.46	1/2	3,518.35	1/2	3,281.57	1/2	2,939.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,352.20	3/4	4,143.55	3/4	3,934.25	3/4	3,724.08	3/4	3,513.98	3/4	3,274.45	3/4	2,932.46		
6	6	6	6	6	6	6	4,347.91	6	4,139.19	6	3,929.89	6	3,719.70	6	3,509.62	6	3,267.34	6	2,925.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,343.62	1/4	4,134.83	1/4	3,925.52	1/4	3,715.32	1/4	3,505.26	1/4	3,260.23	1/4	2,918.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,339.32	1/2	4,130.47	1/2	3,921.15	1/2	3,710.94	1/2	3,500.89	1/2	3,253.12	1/2	2,911.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,335.00	3/4	4,126.11	3/4	3,916.77	3/4	3,706.56	3/4	3,496.53	3/4	3,246.01	3/4	2,903.91		
7	7	7	7	7	7	7	4,330.68	7	4,121.75	7	3,912.39	7	3,702.18	7	3,492.17	7	3,238.90	7	2,896.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,326.35	1/4	4,117.39	1/4	3,908.01	1/4	3,697.80	1/4	3,487.80	1/4	3,231.79	1/4	2,889.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,322.03	1/2	4,113.03	1/2	3,903.63	1/2	3,693.42	1/2	3,483.44	1/2	3,224.68	1/2	2,882.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,317.70	3/4	4,108.67	3/4	3,899.25	3/4	3,689.05	3/4	3,479.08	3/4	3,217.57	3/4	2,875.38		
8	8	8	8	8	8	8	4,313.37	8	4,104.31	8	3,894.87	8	3,684.67	8	3,474.71	8	3,210.46	8	2,868.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,309.04	1/4	4,099.95	1/4	3,890.49	1/4	3,680.29	1/4	3,470.35	1/4	3,203.35	1/4	2,861.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,304.71	1/2	4,095.59	1/2	3,886.11	1/2	3,675.91	1/2	3,465.99	1/2	3,196.24	1/2	2,853.99		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,300.37	3/4	4,091.23	3/4	3,881.73	3/4	3,671.53	3/4	3,461.62	3/4	3,189.13	3/4	2,846.86		
9	9	9	9	9	9	9	4,296.04	9	4,086.87	9	3,877.36	9	3,667.15	9	3,457.26	9	3,182.02	9	2,839.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,291.71	1/4	4,082.51	1/4	3,872.98	1/4	3,662.77	1/4	3,452.90	1/4	3,174.91	1/4	2,832.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,287.38	1/2	4,078.15	1/2	3,868.60	1/2	3,658.39	1/2	3,448.53	1/2	3,167.80	1/2	2,825.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,283.03	3/4	4,073.79	3/4	3,864.22	3/4	3,654.01	3/4	3,444.17	3/4	3,160.69	3/4	2,818.33		
10	10	10	10	10	10	10	4,278.68	10	4,069.43	10	3,859.84	10	3,649.63	10	3,439.81	10	3,153.58	10	2,811.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,274.34	1/4	4,065.06	1/4	3,855.46	1/4	3,645.25	1/4	3,435.44	1/4	3,146.47	1/4	2,804.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,269.99	1/2	4,060.70	1/2	3,851.08	1/2	3,640.87	1/2	3,431.08	1/2	3,139.36	1/2	2,796.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,265.63	3/4	4,056.34	3/4	3,846.70	3/4	3,636.49	3/4	3,426.72	3/4	3,132.24	3/4	2,789.80		
11	11	11	11	11	11	11	4,261.27	11	4,051.98	11	3,842.32	11	3,632.11	11	3,422.35	11	3,125.12	11	2,782.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,256.91	1/4	4,047.62	1/4	3,837.94	1/4	3,627.74	1/4	3,417.99	1/4	3,118.00	1/4	2,775.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,409.19	1/2	4,252.55	1/2	4,043.26	1/2	3,833.56	1/2	3,623.36	1/2	3,413.63	1/2	3,110.88	1/2	2,768.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,408.11	3/4	4,248.19	3/4	4,038.90	3/4	3,829.18	3/4	3,618.98	3/4	3,409.26	3/4	3,103.75	3/4	2,761.28

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 ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" 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 "HSM 3318"

formerly the

BARGE "FMT 3318"

3 PORT
ULLAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,754.15	0	2,411.81	0	2,069.45	0	1,727.08	0	1,384.72	0	1,045.73	0	714.16	0	371.72	0	34.30	0	
1/4	2,747.01	1/4	2,404.68	1/4	2,062.31	1/4	1,719.95	1/4	1,377.58	1/4	1,038.90	1/4	707.03	1/4	364.58	1/4	28.94	1/4	
1/2	2,739.88	1/2	2,397.54	1/2	2,055.18	1/2	1,712.82	1/2	1,370.45	1/2	1,032.08	1/2	699.89	1/2	357.44	1/2	23.59	1/2	
3/4	2,732.75	3/4	2,390.41	3/4	2,048.05	3/4	1,705.68	3/4	1,363.32	3/4	1,025.26	3/4	692.76	3/4	350.30	3/4	20.01	3/4	
1	2,725.62	1	2,383.28	1	2,040.91	1	1,698.55	1	1,356.19	1	1,018.44	1	685.63	1	343.15	1	16.44	1	
1/4	2,718.49	1/4	2,376.15	1/4	2,033.78	1/4	1,691.42	1/4	1,349.05	1/4	1,011.61	1/4	678.49	1/4	336.01	1/4	12.87	1/4	
1/2	2,711.35	1/2	2,369.01	1/2	2,026.65	1/2	1,684.28	1/2	1,341.92	1/2	1,004.79	1/2	671.36	1/2	328.86	1/2	9.30	1/2	
3/4	2,704.22	3/4	2,361.88	3/4	2,019.52	3/4	1,677.15	3/4	1,334.79	3/4	997.97	3/4	664.22	3/4	321.72	3/4	7.51	3/4	
2	2,697.09	2	2,354.75	2	2,012.38	2	1,670.02	2	1,327.65	2	991.15	2	657.09	2	314.57	2	5.72	2	
1/4	2,689.96	1/4	2,347.62	1/4	2,005.25	1/4	1,662.89	1/4	1,320.52	1/4	984.32	1/4	649.96	1/4	307.42	1/4	3.94	1/4	
1/2	2,682.83	1/2	2,340.48	1/2	1,998.12	1/2	1,655.75	1/2	1,313.39	1/2	977.50	1/2	642.82	1/2	300.28	1/2	2.15	1/2	
3/4	2,675.70	3/4	2,333.35	3/4	1,990.99	3/4	1,648.62	3/4	1,306.26	3/4	970.68	3/4	635.69	3/4	293.13	3/4		3/4	
3	2,668.56	3	2,326.22	3	1,983.85	3	1,641.49	3	1,299.12	3	963.86	3	628.55	3	285.99	3		3	
1/4	2,661.43	1/4	2,319.09	1/4	1,976.72	1/4	1,634.36	1/4	1,291.99	1/4	957.03	1/4	621.42	1/4	278.84	1/4		1/4	
1/2	2,654.30	1/2	2,311.95	1/2	1,969.59	1/2	1,627.22	1/2	1,284.86	1/2	950.21	1/2	614.29	1/2	271.70	1/2		1/2	
3/4	2,647.17	3/4	2,304.82	3/4	1,962.46	3/4	1,620.09	3/4	1,277.73	3/4	943.39	3/4	607.15	3/4	264.55	3/4		3/4	
4	2,640.04	4	2,297.69	4	1,955.32	4	1,612.96	4	1,270.59	4	936.57	4	600.02	4	257.41	4		4	
1/4	2,632.91	1/4	2,290.56	1/4	1,948.19	1/4	1,605.83	1/4	1,263.46	1/4	929.74	1/4	592.88	1/4	250.26	1/4		1/4	
1/2	2,625.77	1/2	2,283.42	1/2	1,941.06	1/2	1,598.69	1/2	1,256.33	1/2	922.92	1/2	585.75	1/2	243.11	1/2		1/2	
3/4	2,618.64	3/4	2,276.29	3/4	1,933.93	3/4	1,591.56	3/4	1,249.20	3/4	916.10	3/4	578.62	3/4	235.97	3/4		3/4	
5	2,611.51	5	2,269.16	5	1,926.79	5	1,584.43	5	1,242.06	5	909.28	5	571.48	5	228.82	5		5	
1/4	2,604.38	1/4	2,262.03	1/4	1,919.66	1/4	1,577.30	1/4	1,234.93	1/4	902.45	1/4	564.35	1/4	221.68	1/4		1/4	
1/2	2,597.25	1/2	2,254.89	1/2	1,912.53	1/2	1,570.16	1/2	1,227.80	1/2	895.63	1/2	557.22	1/2	214.53	1/2		1/2	
3/4	2,590.12	3/4	2,247.76	3/4	1,905.40	3/4	1,563.03	3/4	1,220.67	3/4	888.81	3/4	550.08	3/4	207.39	3/4		3/4	
6	2,582.98	6	2,240.63	6	1,898.26	6	1,555.90	6	1,213.53	6	881.99	6	542.95	6	200.24	6		6	
1/4	2,575.85	1/4	2,233.50	1/4	1,891.13	1/4	1,548.77	1/4	1,206.40	1/4	875.16	1/4	535.81	1/4	193.09	1/4		1/4	
1/2	2,568.72	1/2	2,226.36	1/2	1,884.00	1/2	1,541.63	1/2	1,199.27	1/2	868.34	1/2	528.68	1/2	185.95	1/2		1/2	
3/4	2,561.59	3/4	2,219.23	3/4	1,876.87	3/4	1,534.50	3/4	1,192.14	3/4	861.52	3/4	521.55	3/4	178.80	3/4		3/4	
7	2,554.46	7	2,212.10	7	1,869.73	7	1,527.37	7	1,185.00	7	854.69	7	514.41	7	171.66	7		7	
1/4	2,547.33	1/4	2,204.96	1/4	1,862.60	1/4	1,520.24	1/4	1,177.87	1/4	847.86	1/4	507.28	1/4	164.51	1/4		1/4	
1/2	2,540.19	1/2	2,197.83	1/2	1,855.47	1/2	1,513.10	1/2	1,170.74	1/2	841.04	1/2	500.14	1/2	157.37	1/2		1/2	
3/4	2,533.06	3/4	2,190.70	3/4	1,848.33	3/4	1,505.97	3/4	1,163.61	3/4	834.17	3/4	493.01	3/4	150.22	3/4		3/4	
8	2,525.93	8	2,183.57	8	1,841.20	8	1,498.84	8	1,156.47	8	827.30	8	485.88	8	143.08	8		8	
1/4	2,518.80	1/4	2,176.43	1/4	1,834.07	1/4	1,491.70	1/4	1,149.34	1/4	820.44	1/4	478.74	1/4	135.93	1/4		1/4	
1/2	2,511.67	1/2	2,169.30	1/2	1,826.94	1/2	1,484.57	1/2	1,142.21	1/2	813.57	1/2	471.61	1/2	128.79	1/2		1/2	
3/4	2,504.53	3/4	2,162.17	3/4	1,819.80	3/4	1,477.44	3/4	1,135.19	3/4	806.55	3/4	464.47	3/4	121.65	3/4		3/4	
9	2,497.40	9	2,155.04	9	1,812.67	9	1,470.31	9	1,128.17	9	799.54	9	457.34	9	114.51	9		9	
1/4	2,490.27	1/4	2,147.90	1/4	1,805.54	1/4	1,463.17	1/4	1,121.16	1/4	792.52	1/4	450.21	1/4	107.37	1/4		1/4	
1/2	2,483.14	1/2	2,140.77	1/2	1,798.41	1/2	1,456.04	1/2	1,114.14	1/2	785.50	1/2	443.07	1/2	100.23	1/2		1/2	
3/4	2,476.00	3/4	2,133.64	3/4	1,791.27	3/4	1,448.91	3/4	1,107.27	3/4	778.37	3/4	435.94	3/4	93.11	3/4		3/4	
10	2,468.87	10	2,126.51	10	1,784.14	10	1,441.78	10	1,100.41	10	771.23	10	428.81	10	85.98	10		10	
1/4	2,461.74	1/4	2,119.37	1/4	1,777.01	1/4	1,434.64	1/4	1,093.54	1/4	764.10	1/4	421.67	1/4	78.86	1/4		1/4	
1/2	2,454.61	1/2	2,112.24	1/2	1,769.88	1/2	1,427.51	1/2	1,086.68	1/2	756.96	1/2	414.54	1/2	71.74	1/2		1/2	
3/4	2,447.47	3/4	2,105.11	3/4	1,762.74	3/4	1,420.38	3/4	1,079.85	3/4	749.83	3/4	407.40	3/4	65.06	3/4		3/4	
11	2,440.34	11	2,097.98	11	1,755.61	11	1,413.25	11	1,073.02	11	742.70	11	400.27	11	58.38	11		11	
1/4	2,433.21	1/4	2,090.84	1/4	1,748.48	1/4	1,406.11	1/4	1,066.20	1/4	735.56	1/4	393.14	1/4	51.70	1/4		1/4	
1/2	2,426.08	1/2	2,083.71	1/2	1,741.35	1/2	1,398.98	1/2	1,059.37	1/2	728.43	1/2	386.00	1/2	45.02	1/2		1/2	
3/4	2,418.94	3/4	2,076.58	3/4	1,734.21	3/4	1,391.85	3/4	1,052.55	3/4	721.29	3/4	378.86	3/4	39.66	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020





BARGE "HSM 3318"
formerly the
BARGE "FMT 3318"

3 STBD
ULLAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	4,413.21	0	4,250.34	0	4,041.49	0	3,832.19	0	3,622.43	0	3,412.66	0	3,105.19		
1/4		1/4		1/4		1/4	4,412.13	1/4	4,245.99	1/4	4,037.14	1/4	3,827.82	1/4	3,618.06	1/4	3,408.29	1/4	3,098.08		
1/2		1/2		1/2		1/2	4,411.06	1/2	4,241.64	1/2	4,032.79	1/2	3,823.45	1/2	3,613.69	1/2	3,403.92	1/2	3,090.98		
3/4		3/4		3/4		3/4	4,409.35	3/4	4,237.29	3/4	4,028.44	3/4	3,819.08	3/4	3,609.32	3/4	3,399.57	3/4	3,083.87		
1		1		1		1	4,407.64	1	4,232.94	1	4,024.09	1	3,814.71	1	3,604.95	1	3,395.22	1	3,076.76		
1/4		1/4		1/4		1/4	4,405.93	1/4	4,228.58	1/4	4,019.74	1/4	3,810.34	1/4	3,600.58	1/4	3,390.86	1/4	3,069.65		
1/2		1/2		1/2		1/2	4,404.23	1/2	4,224.23	1/2	4,015.39	1/2	3,805.97	1/2	3,596.21	1/2	3,386.51	1/2	3,062.55		
3/4		3/4		3/4		3/4	4,402.52	3/4	4,219.88	3/4	4,011.03	3/4	3,801.60	3/4	3,591.84	3/4	3,382.18	3/4	3,055.44		
2		2		2		2	4,400.81	2	4,215.53	2	4,006.68	2	3,797.23	2	3,587.47	2	3,377.84	2	3,048.33		
1/4		1/4		1/4		1/4	4,399.11	1/4	4,211.18	1/4	4,002.33	1/4	3,792.86	1/4	3,583.10	1/4	3,373.51	1/4	3,041.22		
1/2		1/2		1/2		1/2	4,397.40	1/2	4,206.83	1/2	3,997.98	1/2	3,788.49	1/2	3,578.73	1/2	3,369.17	1/2	3,034.12		
3/4		3/4		3/4		3/4	4,395.42	3/4	4,202.48	3/4	3,993.63	3/4	3,784.12	3/4	3,574.36	3/4	3,363.46	3/4	3,027.01		
3		3		3		3	4,393.45	3	4,198.13	3	3,989.28	3	3,779.75	3	3,569.99	3	3,357.75	3	3,019.90		
1/4		1/4		1/4		1/4	4,391.47	1/4	4,193.78	1/4	3,984.93	1/4	3,775.38	1/4	3,565.62	1/4	3,352.04	1/4	3,012.79		
1/2		1/2		1/2		1/2	4,389.49	1/2	4,189.43	1/2	3,980.58	1/2	3,771.01	1/2	3,561.25	1/2	3,346.32	1/2	3,005.69		
3/4		3/4		3/4		3/4	4,386.65	3/4	4,185.07	3/4	3,976.23	3/4	3,766.64	3/4	3,556.88	3/4	3,339.23	3/4	2,998.58		
4		4		4		4	4,383.82	4	4,178.72	4	3,971.88	4	3,762.27	4	3,552.51	4	3,332.14	4	2,991.47		
1/4		1/4		1/4		1/4	4,380.98	1/4	4,176.37	1/4	3,967.52	1/4	3,757.90	1/4	3,548.13	1/4	3,325.05	1/4	2,984.36		
1/2		1/2		1/2		1/2	4,378.14	1/2	4,172.02	1/2	3,963.17	1/2	3,753.53	1/2	3,543.76	1/2	3,317.96	1/2	2,977.26		
3/4		3/4		3/4		3/4	4,374.29	3/4	4,167.67	3/4	3,958.82	3/4	3,749.16	3/4	3,539.39	3/4	3,310.87	3/4	2,970.15		
5		5		5		5	4,370.45	5	4,163.32	5	3,954.47	5	3,744.79	5	3,535.02	5	3,303.78	5	2,963.04		
1/4		1/4		1/4		1/4	4,366.61	1/4	4,158.97	1/4	3,950.12	1/4	3,740.42	1/4	3,530.65	1/4	3,296.69	1/4	2,955.94		
1/2		1/2		1/2		1/2	4,362.76	1/2	4,154.62	1/2	3,945.77	1/2	3,736.05	1/2	3,526.28	1/2	3,289.60	1/2	2,948.83		
3/4		3/4		3/4		3/4	4,358.48	3/4	4,150.27	3/4	3,941.41	3/4	3,731.68	3/4	3,521.91	3/4	3,282.51	3/4	2,941.72		
6		6		6		6	4,354.20	6	4,145.92	6	3,937.05	6	3,727.31	6	3,517.54	6	3,275.42	6	2,934.61		
1/4		1/4		1/4		1/4	4,349.92	1/4	4,141.56	1/4	3,932.69	1/4	3,722.94	1/4	3,513.17	1/4	3,268.33	1/4	2,927.51		
1/2		1/2		1/2		1/2	4,345.63	1/2	4,137.21	1/2	3,928.33	1/2	3,718.57	1/2	3,508.80	1/2	3,261.24	1/2	2,920.40		
3/4		3/4		3/4		3/4	4,341.32	3/4	4,132.86	3/4	3,923.96	3/4	3,714.20	3/4	3,504.43	3/4	3,254.15	3/4	2,913.29		
7		7		7		7	4,337.00	7	4,128.51	7	3,919.59	7	3,709.83	7	3,500.06	7	3,247.06	7	2,906.18		
1/4		1/4		1/4		1/4	4,332.69	1/4	4,124.16	1/4	3,915.22	1/4	3,705.46	1/4	3,495.69	1/4	3,239.97	1/4	2,899.08		
1/2		1/2		1/2		1/2	4,328.37	1/2	4,119.81	1/2	3,910.85	1/2	3,701.09	1/2	3,491.32	1/2	3,232.88	1/2	2,891.97		
3/4		3/4		3/4		3/4	4,324.05	3/4	4,115.46	3/4	3,906.48	3/4	3,696.72	3/4	3,486.95	3/4	3,225.79	3/4	2,884.86		
8		8		8		8	4,319.73	8	4,111.11	8	3,902.11	8	3,692.35	8	3,482.58	8	3,218.70	8	2,877.75		
1/4		1/4		1/4		1/4	4,315.41	1/4	4,106.76	1/4	3,897.74	1/4	3,687.98	1/4	3,478.21	1/4	3,211.61	1/4	2,870.65		
1/2		1/2		1/2		1/2	4,311.09	1/2	4,102.41	1/2	3,893.37	1/2	3,683.61	1/2	3,473.84	1/2	3,204.52	1/2	2,863.54		
3/4		3/4		3/4		3/4	4,306.76	3/4	4,098.05	3/4	3,889.00	3/4	3,679.24	3/4	3,469.47	3/4	3,197.43	3/4	2,856.43		
9		9		9		9	4,302.44	9	4,093.70	9	3,884.63	9	3,674.87	9	3,465.10	9	3,190.34	9	2,849.32		
1/4		1/4		1/4		1/4	4,298.12	1/4	4,089.35	1/4	3,880.26	1/4	3,670.50	1/4	3,460.73	1/4	3,183.25	1/4	2,842.22		
1/2		1/2		1/2		1/2	4,293.79	1/2	4,085.00	1/2	3,875.89	1/2	3,666.13	1/2	3,456.36	1/2	3,176.16	1/2	2,835.11		
3/4		3/4		3/4		3/4	4,289.46	3/4	4,080.65	3/4	3,871.52	3/4	3,661.76	3/4	3,451.99	3/4	3,169.07	3/4	2,828.00		
10		10		10		10	4,285.12	10	4,076.30	10	3,867.15	10	3,657.39	10	3,447.62	10	3,161.98	10	2,820.89		
1/4		1/4		1/4		1/4	4,280.78	1/4	4,071.95	1/4	3,862.78	1/4	3,653.02	1/4	3,443.25	1/4	3,154.89	1/4	2,813.79		
1/2		1/2		1/2		1/2	4,276.45	1/2	4,067.60	1/2	3,858.41	1/2	3,648.65	1/2	3,438.88	1/2	3,147.80	1/2	2,806.68		
3/4		3/4		3/4		3/4	4,272.09	3/4	4,063.25	3/4	3,854.04	3/4	3,644.28	3/4	3,434.51	3/4	3,140.70	3/4	2,799.57		
11		11		11		11	4,267.74	11	4,058.90	11	3,849.67	11	3,639.91	11	3,430.14	11	3,133.60	11	2,792.46		
1/4		1/4		1/4		1/4	4,263.39	1/4	4,054.54	1/4	3,845.30	1/4	3,635.54	1/4	3,425.77	1/4	3,126.50	1/4	2,785.36		
1/2		1/2		1/2		1/2	4,415.36	1/2	4,259.04	1/2	4,050.19	1/2	3,840.93	1/2	3,631.17	1/2	3,421.40	1/2	3,119.41	1/2	2,778.25
3/4		3/4		3/4		3/4	4,414.28	3/4	4,254.69	3/4	4,045.84	3/4	3,836.56	3/4	3,626.80	3/4	3,417.03	3/4	3,112.30	3/4	2,771.14

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 ULLAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" 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 "HSM 3318"

formerly the
BARGE "FMT 3318"

3 STBD
ULLAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,764.04	0	2,422.35	0	2,080.32	0	1,738.29	0	1,396.27	0	1,054.32	0	712.71	0	370.69	0	34.21	0	
1/4	2,756.93	1/4	2,415.23	1/4	2,073.20	1/4	1,731.17	1/4	1,389.14	1/4	1,047.20	1/4	705.58	1/4	363.56	1/4	28.87	1/4	
1/2	2,749.82	1/2	2,408.10	1/2	2,066.07	1/2	1,724.04	1/2	1,382.01	1/2	1,040.09	1/2	698.46	1/2	356.44	1/2	23.52	1/2	
3/4	2,742.71	3/4	2,400.97	3/4	2,058.95	3/4	1,716.92	3/4	1,374.89	3/4	1,032.98	3/4	691.33	3/4	349.31	3/4	19.96	3/4	
1	2,735.61	1	2,393.85	1	2,051.82	1	1,709.79	1	1,367.76	1	1,025.87	1	684.21	1	342.19	1	16.40	1	
1/4	2,728.50	1/4	2,386.72	1/4	2,044.69	1/4	1,702.67	1/4	1,360.64	1/4	1,018.76	1/4	677.08	1/4	335.06	1/4	12.84	1/4	
1/2	2,721.39	1/2	2,379.60	1/2	2,037.57	1/2	1,695.54	1/2	1,353.51	1/2	1,011.65	1/2	669.96	1/2	327.94	1/2	9.27	1/2	
3/4	2,714.28	3/4	2,372.47	3/4	2,030.44	3/4	1,688.41	3/4	1,346.39	3/4	1,004.53	3/4	662.83	3/4	320.81	3/4	7.49	3/4	
2	2,707.18	2	2,365.35	2	2,023.32	2	1,681.29	2	1,339.26	2	997.42	2	655.71	2	313.69	2	5.71	2	
1/4	2,700.07	1/4	2,358.22	1/4	2,016.19	1/4	1,674.16	1/4	1,332.13	1/4	990.31	1/4	648.58	1/4	306.56	1/4	3.93	1/4	
1/2	2,692.96	1/2	2,351.10	1/2	2,009.07	1/2	1,667.04	1/2	1,325.01	1/2	983.20	1/2	641.45	1/2	299.44	1/2	2.15	1/2	
3/4	2,685.85	3/4	2,343.97	3/4	2,001.94	3/4	1,659.91	3/4	1,317.88	3/4	976.09	3/4	634.33	3/4	292.31	3/4		3/4	
3	2,678.75	3	2,336.84	3	1,994.82	3	1,652.79	3	1,310.76	3	968.98	3	627.20	3	285.18	3		3	
1/4	2,671.64	1/4	2,329.72	1/4	1,987.69	1/4	1,645.66	1/4	1,303.63	1/4	961.86	1/4	620.08	1/4	278.06	1/4		1/4	
1/2	2,664.53	1/2	2,322.59	1/2	1,980.56	1/2	1,638.54	1/2	1,296.51	1/2	954.75	1/2	612.95	1/2	270.93	1/2		1/2	
3/4	2,657.42	3/4	2,315.47	3/4	1,973.44	3/4	1,631.41	3/4	1,289.38	3/4	947.64	3/4	605.83	3/4	263.81	3/4		3/4	
4	2,650.32	4	2,308.34	4	1,966.31	4	1,624.28	4	1,282.26	4	940.53	4	598.70	4	256.68	4		4	
1/4	2,643.21	1/4	2,301.22	1/4	1,959.19	1/4	1,617.16	1/4	1,275.13	1/4	933.42	1/4	591.58	1/4	249.56	1/4		1/4	
1/2	2,636.10	1/2	2,294.09	1/2	1,952.06	1/2	1,610.03	1/2	1,268.00	1/2	926.31	1/2	584.45	1/2	242.43	1/2		1/2	
3/4	2,628.99	3/4	2,286.97	3/4	1,944.94	3/4	1,602.91	3/4	1,260.88	3/4	919.20	3/4	577.33	3/4	235.31	3/4		3/4	
5	2,621.87	5	2,279.84	5	1,937.81	5	1,595.78	5	1,253.75	5	912.08	5	570.20	5	228.18	5		5	
1/4	2,614.75	1/4	2,272.71	1/4	1,930.69	1/4	1,588.66	1/4	1,246.63	1/4	904.97	1/4	563.08	1/4	221.06	1/4		1/4	
1/2	2,607.63	1/2	2,265.59	1/2	1,923.56	1/2	1,581.53	1/2	1,239.50	1/2	897.86	1/2	555.95	1/2	213.93	1/2		1/2	
3/4	2,600.51	3/4	2,258.46	3/4	1,916.43	3/4	1,574.41	3/4	1,232.38	3/4	890.75	3/4	548.82	3/4	206.81	3/4		3/4	
6	2,593.38	6	2,251.34	6	1,909.31	6	1,567.28	6	1,225.25	6	883.64	6	541.70	6	199.68	6		6	
1/4	2,586.26	1/4	2,244.21	1/4	1,902.18	1/4	1,560.15	1/4	1,218.13	1/4	876.53	1/4	534.57	1/4	192.55	1/4		1/4	
1/2	2,579.13	1/2	2,237.09	1/2	1,895.06	1/2	1,553.03	1/2	1,211.00	1/2	869.42	1/2	527.45	1/2	185.43	1/2		1/2	
3/4	2,572.00	3/4	2,229.96	3/4	1,887.93	3/4	1,545.90	3/4	1,203.87	3/4	862.30	3/4	520.32	3/4	178.30	3/4		3/4	
7	2,564.88	7	2,222.83	7	1,880.81	7	1,538.78	7	1,196.75	7	855.19	7	513.20	7	171.18	7		7	
1/4	2,557.75	1/4	2,215.71	1/4	1,873.68	1/4	1,531.65	1/4	1,189.62	1/4	848.07	1/4	506.07	1/4	164.05	1/4		1/4	
1/2	2,550.62	1/2	2,208.58	1/2	1,866.55	1/2	1,524.53	1/2	1,182.50	1/2	840.95	1/2	498.95	1/2	156.93	1/2		1/2	
3/4	2,543.50	3/4	2,201.46	3/4	1,859.43	3/4	1,517.40	3/4	1,175.37	3/4	833.83	3/4	491.82	3/4	149.80	3/4		3/4	
8	2,536.37	8	2,194.33	8	1,852.30	8	1,510.27	8	1,168.25	8	826.71	8	484.70	8	142.68	8		8	
1/4	2,529.24	1/4	2,187.21	1/4	1,845.18	1/4	1,503.15	1/4	1,161.12	1/4	819.59	1/4	477.57	1/4	135.55	1/4		1/4	
1/2	2,522.12	1/2	2,180.08	1/2	1,838.05	1/2	1,496.02	1/2	1,153.99	1/2	812.46	1/2	470.44	1/2	128.43	1/2		1/2	
3/4	2,514.99	3/4	2,172.96	3/4	1,830.93	3/4	1,488.90	3/4	1,146.87	3/4	805.34	3/4	463.32	3/4	121.31	3/4		3/4	
9	2,507.86	9	2,165.83	9	1,823.80	9	1,481.77	9	1,139.74	9	798.21	9	456.19	9	114.19	9		9	
1/4	2,500.73	1/4	2,158.70	1/4	1,816.68	1/4	1,474.65	1/4	1,132.62	1/4	791.09	1/4	449.07	1/4	107.07	1/4		1/4	
1/2	2,493.61	1/2	2,151.58	1/2	1,809.55	1/2	1,467.52	1/2	1,125.49	1/2	783.96	1/2	441.94	1/2	99.95	1/2		1/2	
3/4	2,486.48	3/4	2,144.45	3/4	1,802.42	3/4	1,460.40	3/4	1,118.37	3/4	776.84	3/4	434.82	3/4	92.85	3/4		3/4	
10	2,479.36	10	2,137.33	10	1,795.30	10	1,453.27	10	1,111.25	10	769.71	10	427.69	10	85.75	10		10	
1/4	2,472.23	1/4	2,130.20	1/4	1,788.17	1/4	1,446.14	1/4	1,104.12	1/4	762.59	1/4	420.57	1/4	78.64	1/4		1/4	
1/2	2,465.11	1/2	2,123.08	1/2	1,781.05	1/2	1,439.02	1/2	1,097.00	1/2	755.46	1/2	413.44	1/2	71.54	1/2		1/2	
3/4	2,457.98	3/4	2,115.95	3/4	1,773.92	3/4	1,431.89	3/4	1,089.89	3/4	748.34	3/4	406.32	3/4	64.88	3/4		3/4	
11	2,450.85	11	2,108.83	11	1,766.80	11	1,424.77	11	1,082.77	11	741.21	11	399.19	11	58.22	11		11	
1/4	2,443.73	1/4	2,101.70	1/4	1,759.67	1/4	1,417.64	1/4	1,075.65	1/4	734.08	1/4	392.07	1/4	51.56	1/4		1/4	
1/2	2,436.60	1/2	2,094.57	1/2	1,752.55	1/2	1,410.52	1/2	1,068.54	1/2	726.96	1/2	384.94	1/2	44.90	1/2		1/2	
3/4	2,429.48	3/4	2,087.45	3/4	1,745.42	3/4	1,403.39	3/4	1,061.43	3/4	719.83	3/4	377.81	3/4	39.55	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020





BARGE "HSM 3318"

formerly the

BARGE "FMT 3318"

INNAGE (10" 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	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
1 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-0/8	- 06-0/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
2 PORT	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
2 STBD	02-0/8	- 02-0/8	04-0/8	- 04-0/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/8	- 10-1/8	12-1/8	- 12-1/8
3 PORT	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-1/8	08-1/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8
3 STBD	- 02-0/8	02-0/8	- 04-0/8	04-0/8	- 06-0/8	06-0/8	- 08-0/8	08-0/8	- 10-1/8	10-1/8	- 12-1/8	12-1/8

(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 - 08-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-03 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

August 5, 2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3318"
formerly the
BARGE "FMT 3318"

1 PORT
INNAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	251.76	0	582.15	0	923.23	0	1,264.56	0	1,607.08	0	1,949.61	0	2,292.13	0	2,634.66	0	2,977.16
1/4	3.93	1/4	258.23	1/4	589.28	1/4	930.30	1/4	1,271.70	1/4	1,614.22	1/4	1,956.74	1/4	2,299.27	1/4	2,641.79	1/4	2,984.30
1/2	5.72	1/2	264.70	1/2	596.42	1/2	937.38	1/2	1,278.83	1/2	1,621.36	1/2	1,963.88	1/2	2,306.40	1/2	2,648.93	1/2	2,991.43
3/4	7.50	3/4	271.17	3/4	603.55	3/4	944.45	3/4	1,285.97	3/4	1,628.49	3/4	1,971.02	3/4	2,313.54	3/4	2,656.06	3/4	2,998.57
1	9.29	1	277.63	1	610.69	1	951.53	1	1,293.10	1	1,635.63	1	1,978.15	1	2,320.67	1	2,663.20	1	3,005.70
1/4	12.08	1/4	284.19	1/4	617.82	1/4	958.61	1/4	1,300.24	1/4	1,642.76	1/4	1,985.29	1/4	2,327.81	1/4	2,670.34	1/4	3,012.83
1/2	14.88	1/2	290.74	1/2	624.96	1/2	965.68	1/2	1,307.38	1/2	1,649.90	1/2	1,992.42	1/2	2,334.95	1/2	2,677.47	1/2	3,019.97
3/4	17.68	3/4	297.29	3/4	632.10	3/4	972.76	3/4	1,314.51	3/4	1,657.04	3/4	1,999.56	3/4	2,342.08	3/4	2,684.61	3/4	3,027.10
2	20.47	2	303.84	2	639.23	2	979.83	2	1,321.65	2	1,664.17	2	2,006.69	2	2,349.22	2	2,691.74	2	3,034.23
1/4	24.32	1/4	310.48	1/4	646.37	1/4	986.91	1/4	1,328.78	1/4	1,671.31	1/4	2,013.83	1/4	2,356.35	1/4	2,698.88	1/4	3,041.37
1/2	28.17	1/2	317.11	1/2	653.50	1/2	993.98	1/2	1,335.92	1/2	1,678.44	1/2	2,020.97	1/2	2,363.49	1/2	2,706.01	1/2	3,048.50
3/4	32.02	3/4	323.75	3/4	660.64	3/4	1,001.06	3/4	1,343.06	3/4	1,685.58	3/4	2,028.10	3/4	2,370.63	3/4	2,713.15	3/4	3,055.64
3	35.87	3	330.38	3	667.77	3	1,008.13	3	1,350.19	3	1,692.72	3	2,035.24	3	2,377.76	3	2,720.28	3	3,062.77
1/4	41.13	1/4	337.10	1/4	674.91	1/4	1,015.21	1/4	1,357.33	1/4	1,699.85	1/4	2,042.37	1/4	2,384.90	1/4	2,727.42	1/4	3,069.90
1/2	46.38	1/2	343.82	1/2	682.05	1/2	1,022.29	1/2	1,364.46	1/2	1,706.99	1/2	2,049.51	1/2	2,392.03	1/2	2,734.56	1/2	3,077.04
3/4	51.63	3/4	350.54	3/4	689.18	3/4	1,029.37	3/4	1,371.60	3/4	1,714.12	3/4	2,056.65	3/4	2,399.17	3/4	2,741.69	3/4	3,084.17
4	56.89	4	357.26	4	696.32	4	1,036.45	4	1,378.74	4	1,721.26	4	2,063.78	4	2,406.31	4	2,748.83	4	3,091.30
1/4	62.66	1/4	364.06	1/4	703.45	1/4	1,043.55	1/4	1,385.87	1/4	1,728.39	1/4	2,070.92	1/4	2,413.44	1/4	2,755.96	1/4	3,098.44
1/2	68.44	1/2	370.86	1/2	710.59	1/2	1,050.64	1/2	1,393.01	1/2	1,735.53	1/2	2,078.05	1/2	2,420.58	1/2	2,763.10	1/2	3,105.57
3/4	74.22	3/4	377.67	3/4	717.73	3/4	1,057.73	3/4	1,400.14	3/4	1,742.67	3/4	2,085.19	3/4	2,427.71	3/4	2,770.23	3/4	3,112.70
5	80.00	5	384.47	5	724.86	5	1,064.82	5	1,407.28	5	1,749.80	5	2,092.33	5	2,434.85	5	2,777.37	5	3,119.84
1/4	85.88	1/4	391.35	1/4	731.98	1/4	1,071.94	1/4	1,414.42	1/4	1,756.94	1/4	2,099.46	1/4	2,441.98	1/4	2,784.50	1/4	3,126.97
1/2	91.76	1/2	398.24	1/2	739.10	1/2	1,079.06	1/2	1,421.55	1/2	1,764.07	1/2	2,106.60	1/2	2,449.12	1/2	2,791.64	1/2	3,134.10
3/4	97.64	3/4	405.13	3/4	746.21	3/4	1,086.18	3/4	1,428.69	3/4	1,771.21	3/4	2,113.73	3/4	2,456.26	3/4	2,798.77	3/4	3,141.24
6	103.52	6	412.01	6	753.33	6	1,093.30	6	1,435.82	6	1,778.35	6	2,120.87	6	2,463.39	6	2,805.91	6	3,148.37
1/4	109.48	1/4	418.98	1/4	760.42	1/4	1,100.44	1/4	1,442.96	1/4	1,785.48	1/4	2,128.01	1/4	2,470.53	1/4	2,813.05	1/4	3,155.51
1/2	115.45	1/2	425.94	1/2	767.52	1/2	1,107.57	1/2	1,450.09	1/2	1,792.62	1/2	2,135.14	1/2	2,477.66	1/2	2,820.18	1/2	3,162.64
3/4	121.42	3/4	432.91	3/4	774.61	3/4	1,114.71	3/4	1,457.23	3/4	1,799.75	3/4	2,142.28	3/4	2,484.80	3/4	2,827.32	3/4	3,169.77
7	127.39	7	439.88	7	781.70	7	1,121.84	7	1,464.37	7	1,806.89	7	2,149.41	7	2,491.94	7	2,834.45	7	3,176.91
1/4	133.44	1/4	446.92	1/4	788.78	1/4	1,128.98	1/4	1,471.50	1/4	1,814.03	1/4	2,156.55	1/4	2,499.07	1/4	2,841.59	1/4	3,184.04
1/2	139.49	1/2	453.97	1/2	795.86	1/2	1,136.12	1/2	1,478.64	1/2	1,821.16	1/2	2,163.68	1/2	2,506.21	1/2	2,848.72	1/2	3,191.17
3/4	145.54	3/4	461.02	3/4	802.94	3/4	1,143.25	3/4	1,485.77	3/4	1,828.30	3/4	2,170.82	3/4	2,513.34	3/4	2,855.86	3/4	3,198.31
8	151.59	8	468.07	8	810.02	8	1,150.39	8	1,492.91	8	1,835.43	8	2,177.96	8	2,520.48	8	2,862.99	8	3,205.44
1/4	157.73	1/4	475.18	1/4	817.10	1/4	1,157.52	1/4	1,500.05	1/4	1,842.57	1/4	2,185.09	1/4	2,527.62	1/4	2,870.13	1/4	3,212.57
1/2	163.87	1/2	482.29	1/2	824.17	1/2	1,164.66	1/2	1,507.18	1/2	1,849.71	1/2	2,192.23	1/2	2,534.75	1/2	2,877.27	1/2	3,219.71
3/4	170.00	3/4	489.40	3/4	831.25	3/4	1,171.79	3/4	1,514.32	3/4	1,856.84	3/4	2,199.36	3/4	2,541.89	3/4	2,884.40	3/4	3,226.84
9	176.14	9	496.52	9	838.32	9	1,178.93	9	1,521.45	9	1,863.98	9	2,206.50	9	2,549.02	9	2,891.54	9	3,233.98
1/4	182.35	1/4	503.65	1/4	845.40	1/4	1,186.07	1/4	1,528.59	1/4	1,871.11	1/4	2,213.64	1/4	2,556.16	1/4	2,898.67	1/4	3,241.11
1/2	188.57	1/2	510.79	1/2	852.47	1/2	1,193.20	1/2	1,535.73	1/2	1,878.25	1/2	2,220.77	1/2	2,563.30	1/2	2,905.81	1/2	3,248.24
3/4	194.79	3/4	517.92	3/4	859.55	3/4	1,200.34	3/4	1,542.86	3/4	1,885.38	3/4	2,227.91	3/4	2,570.43	3/4	2,912.94	3/4	3,255.38
10	201.01	10	525.06	10	866.62	10	1,207.47	10	1,550.00	10	1,892.52	10	2,235.04	10	2,577.57	10	2,920.08	10	3,262.51
1/4	207.31	1/4	532.19	1/4	873.70	1/4	1,214.61	1/4	1,557.13	1/4	1,899.66	1/4	2,242.18	1/4	2,584.70	1/4	2,927.21	1/4	3,269.64
1/2	213.61	1/2	539.33	1/2	880.77	1/2	1,221.75	1/2	1,564.27	1/2	1,906.79	1/2	2,249.32	1/2	2,591.84	1/2	2,934.35	1/2	3,276.78
3/4	219.92	3/4	546.47	3/4	887.85	3/4	1,228.88	3/4	1,571.40	3/4	1,913.93	3/4	2,256.45	3/4	2,598.97	3/4	2,941.48	3/4	3,283.91
11	226.22	11	553.60	11	894.93	11	1,236.02	11	1,578.54	11	1,921.06	11	2,263.59	11	2,606.11	11	2,948.62	11	3,291.04
1/4	232.60	1/4	560.74	1/4	902.00	1/4	1,243.15	1/4	1,585.68	1/4	1,928.20	1/4	2,270.72	1/4	2,613.25	1/4	2,955.76	1/4	3,298.18
1/2	238.99	1/2	567.87	1/2	909.08	1/2	1,250.29	1/2	1,592.81	1/2	1,935.34	1/2	2,277.86	1/2	2,620.38	1/2	2,962.89	1/2	3,305.31
3/4	245.37	3/4	575.01	3/4	916.15	3/4	1,257.43	3/4	1,599.95	3/4	1,942.47	3/4	2,284.99	3/4	2,627.52	3/4	2,970.03	3/4	3,312.44

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" 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 "HSM 3318"

formerly the
BARGE "FMT 3318"

1 PORT
INNAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,319.58	0	3,661.99	0	4,004.50	0	4,346.55	0	4,687.49	0	5,008.31	0		0		0		0	
1/4	3,326.71	1/4	3,669.13	1/4	4,011.63	1/4	4,353.65	1/4	4,694.59	1/4	5,011.50	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,333.85	1/2	3,676.27	1/2	4,018.77	1/2	4,360.75	1/2	4,701.69	1/2	5,014.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,340.98	3/4	3,683.40	3/4	4,025.90	3/4	4,367.85	3/4	4,708.79	3/4	5,017.89	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,348.11	1	3,690.54	1	4,033.04	1	4,374.96	1	4,715.90	1	5,021.08	1	1	1	1	1	1	1	1
1/4	3,355.25	1/4	3,697.67	1/4	4,040.18	1/4	4,382.06	1/4	4,723.00	1/4	5,023.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,362.38	1/2	3,704.81	1/2	4,047.31	1/2	4,389.16	1/2	4,730.10	1/2	5,025.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,369.51	3/4	3,711.94	3/4	4,054.45	3/4	4,396.27	3/4	4,737.21	3/4	5,027.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,376.65	2	3,719.08	2	4,061.58	2	4,403.37	2	4,744.31	2	5,029.09	2	2	2	2	2	2	2	2
1/4	3,383.78	1/4	3,726.21	1/4	4,068.72	1/4	4,410.47	1/4	4,751.41	1/4	5,030.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,390.91	1/2	3,733.35	1/2	4,075.85	1/2	4,417.58	1/2	4,758.51	1/2	5,030.95	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,398.05	3/4	3,740.48	3/4	4,082.99	3/4	4,424.68	3/4	4,765.62	3/4	5,031.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,405.18	3	3,747.62	3	4,090.12	3	4,431.78	3	4,772.72	3	5,032.80	3	3	3	3	3	3	3	3
1/4	3,412.32	1/4	3,754.76	1/4	4,097.26	1/4	4,438.88	1/4	4,779.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,419.45	1/2	3,761.89	1/2	4,104.40	1/2	4,445.99	1/2	4,786.93	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,426.58	3/4	3,769.03	3/4	4,111.53	3/4	4,453.09	3/4	4,794.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,433.72	4	3,776.16	4	4,118.67	4	4,460.19	4	4,801.13	4		4	4	4	4	4	4	4	4
1/4	3,440.85	1/4	3,783.30	1/4	4,125.80	1/4	4,467.30	1/4	4,808.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,447.98	1/2	3,790.43	1/2	4,132.94	1/2	4,474.40	1/2	4,815.29	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,455.12	3/4	3,797.57	3/4	4,140.07	3/4	4,481.50	3/4	4,822.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,462.25	5	3,804.70	5	4,147.21	5	4,488.60	5	4,829.45	5		5	5	5	5	5	5	5	5
1/4	3,469.38	1/4	3,811.84	1/4	4,154.34	1/4	4,495.71	1/4	4,836.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,476.52	1/2	3,818.98	1/2	4,161.48	1/2	4,502.81	1/2	4,843.57	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,483.65	3/4	3,826.11	3/4	4,168.61	3/4	4,509.91	3/4	4,850.63	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,490.78	6	3,833.25	6	4,175.75	6	4,517.02	6	4,857.68	6		6	6	6	6	6	6	6	6
1/4	3,497.92	1/4	3,840.38	1/4	4,182.89	1/4	4,524.12	1/4	4,864.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,505.05	1/2	3,847.52	1/2	4,190.02	1/2	4,531.22	1/2	4,871.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,512.19	3/4	3,854.65	3/4	4,197.16	3/4	4,538.32	3/4	4,878.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,519.32	7	3,861.79	7	4,204.29	7	4,545.43	7	4,885.92	7		7	7	7	7	7	7	7	7
1/4	3,526.45	1/4	3,868.92	1/4	4,211.43	1/4	4,552.53	1/4	4,892.97	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,533.59	1/2	3,876.06	1/2	4,218.56	1/2	4,559.63	1/2	4,900.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,540.72	3/4	3,883.19	3/4	4,225.70	3/4	4,566.74	3/4	4,907.07	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,547.85	8	3,890.33	8	4,232.83	8	4,573.84	8	4,914.12	8		8	8	8	8	8	8	8	8
1/4	3,554.99	1/4	3,897.47	1/4	4,239.95	1/4	4,580.94	1/4	4,921.13	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,562.12	1/2	3,904.60	1/2	4,247.07	1/2	4,588.04	1/2	4,928.15	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,569.25	3/4	3,911.74	3/4	4,254.19	3/4	4,595.15	3/4	4,935.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,576.39	9	3,918.87	9	4,261.31	9	4,602.25	9	4,942.18	9		9	9	9	9	9	9	9	9
1/4	3,583.52	1/4	3,926.01	1/4	4,268.41	1/4	4,609.35	1/4	4,948.76	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,590.66	1/2	3,933.14	1/2	4,275.52	1/2	4,616.46	1/2	4,955.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,597.79	3/4	3,940.28	3/4	4,282.62	3/4	4,623.56	3/4	4,961.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,604.92	10	3,947.41	10	4,289.72	10	4,630.66	10	4,968.49	10		10	10	10	10	10	10	10	10
1/4	3,612.05	1/4	3,954.55	1/4	4,296.83	1/4	4,637.76	1/4	4,974.07	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,619.19	1/2	3,961.69	1/2	4,303.93	1/2	4,644.87	1/2	4,979.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,626.32	3/4	3,968.82	3/4	4,311.03	3/4	4,651.97	3/4	4,985.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,633.45	11	3,975.96	11	4,318.13	11	4,659.07	11	4,990.78	11		11	11	11	11	11	11	11	11
1/4	3,640.59	1/4	3,983.09	1/4	4,325.24	1/4	4,666.18	1/4	4,995.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,647.72	1/2	3,990.23	1/2	4,332.34	1/2	4,673.28	1/2	4,999.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,654.86	3/4	3,997.36	3/4	4,339.44	3/4	4,680.38	3/4	5,003.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

**1 STBD
INNAGE TABLE**

**10" HATCH
GAUGE HEIGHT 18'-02 1/2"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	251.72	0	582.14	0	924.50	0	1,266.90	0	1,609.43	0	1,951.96	0	2,294.49	0	2,637.02	0	2,979.53
1/4	3.93	1/4	258.19	1/4	589.28	1/4	931.63	1/4	1,274.04	1/4	1,616.57	1/4	1,959.10	1/4	2,301.62	1/4	2,644.16	1/4	2,986.66
1/2	5.72	1/2	264.66	1/2	596.41	1/2	938.76	1/2	1,281.18	1/2	1,623.70	1/2	1,966.23	1/2	2,308.76	1/2	2,651.29	1/2	2,993.80
3/4	7.50	3/4	271.13	3/4	603.55	3/4	945.88	3/4	1,288.31	3/4	1,630.84	3/4	1,973.37	3/4	2,315.90	3/4	2,658.43	3/4	3,000.93
1	9.28	1	277.60	1	610.69	1	953.01	1	1,295.45	1	1,637.98	1	1,980.50	1	2,323.03	1	2,665.56	1	3,008.07
1/4	12.08	1/4	284.15	1/4	617.82	1/4	960.14	1/4	1,302.58	1/4	1,645.11	1/4	1,987.64	1/4	2,330.17	1/4	2,672.70	1/4	3,015.20
1/2	14.88	1/2	290.70	1/2	624.96	1/2	967.26	1/2	1,309.72	1/2	1,652.25	1/2	1,994.78	1/2	2,337.30	1/2	2,679.83	1/2	3,022.33
3/4	17.67	3/4	297.25	3/4	632.09	3/4	974.39	3/4	1,316.86	3/4	1,659.38	3/4	2,001.91	3/4	2,344.44	3/4	2,686.97	3/4	3,029.47
2	20.47	2	303.80	2	639.23	2	981.52	2	1,323.99	2	1,666.52	2	2,009.05	2	2,351.58	2	2,694.10	2	3,036.60
1/4	24.32	1/4	310.44	1/4	646.37	1/4	988.65	1/4	1,331.13	1/4	1,673.66	1/4	2,016.18	1/4	2,358.71	1/4	2,701.24	1/4	3,043.74
1/2	28.17	1/2	317.07	1/2	653.50	1/2	995.77	1/2	1,338.26	1/2	1,680.79	1/2	2,023.32	1/2	2,365.85	1/2	2,708.38	1/2	3,050.87
3/4	32.02	3/4	323.71	3/4	660.64	3/4	1,002.90	3/4	1,345.40	3/4	1,687.93	3/4	2,030.46	3/4	2,372.98	3/4	2,715.51	3/4	3,058.00
3	35.87	3	330.34	3	667.77	3	1,010.03	3	1,352.54	3	1,695.06	3	2,037.59	3	2,380.12	3	2,722.65	3	3,065.14
1/4	41.12	1/4	337.06	1/4	674.91	1/4	1,017.16	1/4	1,359.67	1/4	1,702.20	1/4	2,044.73	1/4	2,387.26	1/4	2,729.78	1/4	3,072.27
1/2	46.37	1/2	343.78	1/2	682.04	1/2	1,024.29	1/2	1,366.81	1/2	1,709.34	1/2	2,051.86	1/2	2,394.39	1/2	2,736.92	1/2	3,079.40
3/4	51.62	3/4	350.50	3/4	689.18	3/4	1,031.42	3/4	1,373.94	3/4	1,716.47	3/4	2,059.00	3/4	2,401.53	3/4	2,744.05	3/4	3,086.54
4	56.88	4	357.22	4	696.32	4	1,038.55	4	1,381.08	4	1,723.61	4	2,066.14	4	2,408.66	4	2,751.19	4	3,093.67
1/4	62.65	1/4	364.02	1/4	703.45	1/4	1,045.69	1/4	1,388.22	1/4	1,730.74	1/4	2,073.27	1/4	2,415.80	1/4	2,758.33	1/4	3,100.81
1/2	68.43	1/2	370.82	1/2	710.59	1/2	1,052.82	1/2	1,395.35	1/2	1,737.88	1/2	2,080.41	1/2	2,422.94	1/2	2,765.46	1/2	3,107.94
3/4	74.21	3/4	377.62	3/4	717.72	3/4	1,059.96	3/4	1,402.49	3/4	1,745.02	3/4	2,087.54	3/4	2,430.07	3/4	2,772.60	3/4	3,115.07
5	79.98	5	384.43	5	724.86	5	1,067.10	5	1,409.62	5	1,752.15	5	2,094.68	5	2,437.21	5	2,779.73	5	3,122.21
1/4	85.86	1/4	391.31	1/4	732.00	1/4	1,074.23	1/4	1,416.76	1/4	1,759.29	1/4	2,101.82	1/4	2,444.34	1/4	2,786.87	1/4	3,129.34
1/2	91.74	1/2	398.20	1/2	739.13	1/2	1,081.37	1/2	1,423.90	1/2	1,766.42	1/2	2,108.95	1/2	2,451.48	1/2	2,794.00	1/2	3,136.47
3/4	97.62	3/4	405.08	3/4	746.27	3/4	1,088.50	3/4	1,431.03	3/4	1,773.56	3/4	2,116.09	3/4	2,458.62	3/4	2,801.14	3/4	3,143.61
6	103.50	6	411.97	6	753.40	6	1,095.64	6	1,438.17	6	1,780.70	6	2,123.22	6	2,465.75	6	2,808.27	6	3,150.74
1/4	109.46	1/4	418.94	1/4	760.54	1/4	1,102.78	1/4	1,445.30	1/4	1,787.83	1/4	2,130.36	1/4	2,472.89	1/4	2,815.41	1/4	3,157.87
1/2	115.43	1/2	425.91	1/2	767.67	1/2	1,109.91	1/2	1,452.44	1/2	1,794.97	1/2	2,137.50	1/2	2,480.02	1/2	2,822.55	1/2	3,165.01
3/4	121.40	3/4	432.88	3/4	774.81	3/4	1,117.05	3/4	1,459.58	3/4	1,802.10	3/4	2,144.63	3/4	2,487.16	3/4	2,829.68	3/4	3,172.14
7	127.37	7	439.84	7	781.94	7	1,124.18	7	1,466.71	7	1,809.24	7	2,151.77	7	2,494.30	7	2,836.82	7	3,179.28
1/4	133.42	1/4	446.90	1/4	789.08	1/4	1,131.32	1/4	1,473.85	1/4	1,816.38	1/4	2,158.90	1/4	2,501.43	1/4	2,843.95	1/4	3,186.41
1/2	139.47	1/2	453.95	1/2	796.21	1/2	1,138.46	1/2	1,480.98	1/2	1,823.51	1/2	2,166.04	1/2	2,508.57	1/2	2,851.09	1/2	3,193.54
3/4	145.52	3/4	461.00	3/4	803.34	3/4	1,145.59	3/4	1,488.12	3/4	1,830.65	3/4	2,173.18	3/4	2,515.70	3/4	2,858.22	3/4	3,200.68
8	151.57	8	468.05	8	810.47	8	1,152.73	8	1,495.26	8	1,837.78	8	2,180.31	8	2,522.84	8	2,865.36	8	3,207.81
1/4	157.70	1/4	475.17	1/4	817.60	1/4	1,159.86	1/4	1,502.39	1/4	1,844.92	1/4	2,187.45	1/4	2,529.98	1/4	2,872.49	1/4	3,214.94
1/2	163.84	1/2	482.28	1/2	824.72	1/2	1,167.00	1/2	1,509.53	1/2	1,852.06	1/2	2,194.58	1/2	2,537.11	1/2	2,879.63	1/2	3,222.08
3/4	169.97	3/4	489.40	3/4	831.85	3/4	1,174.14	3/4	1,516.66	3/4	1,859.19	3/4	2,201.72	3/4	2,544.25	3/4	2,886.77	3/4	3,229.21
9	176.11	9	496.51	9	838.98	9	1,181.27	9	1,523.80	9	1,866.33	9	2,208.86	9	2,551.38	9	2,893.90	9	3,236.35
1/4	182.33	1/4	503.65	1/4	846.10	1/4	1,188.41	1/4	1,530.94	1/4	1,873.46	1/4	2,215.99	1/4	2,558.52	1/4	2,901.04	1/4	3,243.48
1/2	188.54	1/2	510.79	1/2	853.23	1/2	1,195.54	1/2	1,538.07	1/2	1,880.60	1/2	2,223.13	1/2	2,565.66	1/2	2,908.17	1/2	3,250.61
3/4	194.76	3/4	517.92	3/4	860.36	3/4	1,202.68	3/4	1,545.21	3/4	1,887.74	3/4	2,230.26	3/4	2,572.79	3/4	2,915.31	3/4	3,257.75
10	200.98	10	525.06	10	867.48	10	1,209.82	10	1,552.34	10	1,894.87	10	2,237.40	10	2,579.93	10	2,922.44	10	3,264.88
1/4	207.28	1/4	532.19	1/4	874.61	1/4	1,216.95	1/4	1,559.48	1/4	1,902.01	1/4	2,244.54	1/4	2,587.06	1/4	2,929.58	1/4	3,272.01
1/2	213.58	1/2	539.33	1/2	881.74	1/2	1,224.09	1/2	1,566.62	1/2	1,909.14	1/2	2,251.67	1/2	2,594.20	1/2	2,936.72	1/2	3,279.15
3/4	219.88	3/4	546.46	3/4	888.87	3/4	1,231.22	3/4	1,573.75	3/4	1,916.28	3/4	2,258.81	3/4	2,601.34	3/4	2,943.85	3/4	3,286.28
11	226.18	11	553.60	11	895.99	11	1,238.36	11	1,580.89	11	1,923.42	11	2,265.94	11	2,608.47	11	2,950.99	11	3,293.42
1/4	232.57	1/4	560.74	1/4	903.12	1/4	1,245.50	1/4	1,588.02	1/4	1,930.55	1/4	2,273.08	1/4	2,615.61	1/4	2,958.12	1/4	3,300.55
1/2	238.95	1/2	567.87	1/2	910.25	1/2	1,252.63	1/2	1,595.16	1/2	1,937.69	1/2	2,280.22	1/2	2,622.75	1/2	2,965.26	1/2	3,307.68
3/4	245.34	3/4	575.01	3/4	917.37	3/4	1,259.77	3/4	1,602.30	3/4	1,944.82	3/4	2,287.35	3/4	2,629.88	3/4	2,972.39	3/4	3,314.82

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" 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 "HSM 3318"
formerly the
BARGE "FMT 3318"

1 STBD
INNAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,321.95	0	3,664.37	0	4,006.88	0	4,348.93	0	4,689.88	0	5,010.70	0		0		0		0	
1/4	3,329.08	1/4	3,671.51	1/4	4,014.02	1/4	4,356.03	1/4	4,696.98	1/4	5,013.89	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,336.22	1/2	3,678.64	1/2	4,021.16	1/2	4,363.14	1/2	4,704.08	1/2	5,017.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,343.35	3/4	3,685.78	3/4	4,028.29	3/4	4,370.24	3/4	4,711.18	3/4	5,020.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,350.48	1	3,692.91	1	4,035.43	1	4,377.34	1	4,718.29	1	5,023.47	1	1	1	1	1	1	1	1
1/4	3,357.62	1/4	3,700.05	1/4	4,042.56	1/4	4,384.45	1/4	4,725.39	1/4	5,025.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,364.75	1/2	3,707.19	1/2	4,049.70	1/2	4,391.55	1/2	4,732.49	1/2	5,027.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,371.89	3/4	3,714.32	3/4	4,056.83	3/4	4,398.65	3/4	4,739.60	3/4	5,029.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,379.02	2	3,721.46	2	4,063.97	2	4,405.76	2	4,746.70	2	5,031.48	2	2	2	2	2	2	2	2
1/4	3,386.15	1/4	3,728.59	1/4	4,071.11	1/4	4,412.86	1/4	4,753.80	1/4	5,032.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,393.29	1/2	3,735.73	1/2	4,078.24	1/2	4,419.96	1/2	4,760.91	1/2	5,033.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,400.42	3/4	3,742.86	3/4	4,085.38	3/4	4,427.06	3/4	4,768.01	3/4	5,034.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,407.55	3	3,750.00	3	4,092.51	3	4,434.17	3	4,775.11	3	5,035.19	3	3	3	3	3	3	3	3
1/4	3,414.69	1/4	3,757.13	1/4	4,099.65	1/4	4,441.27	1/4	4,782.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,421.82	1/2	3,764.27	1/2	4,106.78	1/2	4,448.37	1/2	4,789.32	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,428.96	3/4	3,771.41	3/4	4,113.92	3/4	4,455.48	3/4	4,796.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,436.09	4	3,778.54	4	4,121.06	4	4,462.58	4	4,803.52	4	4	4	4	4	4	4	4	4	4
1/4	3,443.22	1/4	3,785.68	1/4	4,128.19	1/4	4,469.68	1/4	4,810.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,450.36	1/2	3,792.81	1/2	4,135.33	1/2	4,476.79	1/2	4,817.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,457.49	3/4	3,799.95	3/4	4,142.46	3/4	4,483.89	3/4	4,824.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,464.62	5	3,807.08	5	4,149.60	5	4,490.99	5	4,831.84	5	5	5	5	5	5	5	5	5	5
1/4	3,471.76	1/4	3,814.22	1/4	4,156.73	1/4	4,498.09	1/4	4,838.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,478.89	1/2	3,821.36	1/2	4,163.87	1/2	4,505.20	1/2	4,845.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,486.03	3/4	3,828.49	3/4	4,171.01	3/4	4,512.30	3/4	4,853.02	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,493.16	6	3,835.63	6	4,178.14	6	4,519.40	6	4,860.08	6	6	6	6	6	6	6	6	6	6
1/4	3,500.29	1/4	3,842.76	1/4	4,185.28	1/4	4,526.51	1/4	4,867.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,507.43	1/2	3,849.90	1/2	4,192.41	1/2	4,533.61	1/2	4,874.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,514.56	3/4	3,857.03	3/4	4,199.55	3/4	4,540.71	3/4	4,881.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,521.69	7	3,864.17	7	4,206.68	7	4,547.82	7	4,888.30	7	7	7	7	7	7	7	7	7	7
1/4	3,528.83	1/4	3,871.31	1/4	4,213.82	1/4	4,554.92	1/4	4,895.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,535.96	1/2	3,878.44	1/2	4,220.96	1/2	4,562.02	1/2	4,902.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,543.09	3/4	3,885.58	3/4	4,228.09	3/4	4,569.12	3/4	4,909.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,550.23	8	3,892.71	8	4,235.23	8	4,576.23	8	4,916.51	8	8	8	8	8	8	8	8	8	8
1/4	3,557.36	1/4	3,899.85	1/4	4,242.34	1/4	4,583.33	1/4	4,923.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,564.50	1/2	3,906.98	1/2	4,249.46	1/2	4,590.43	1/2	4,930.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,571.63	3/4	3,914.12	3/4	4,256.58	3/4	4,597.54	3/4	4,937.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,578.76	9	3,921.26	9	4,263.70	9	4,604.64	9	4,944.57	9	9	9	9	9	9	9	9	9	9
1/4	3,585.90	1/4	3,928.39	1/4	4,270.80	1/4	4,611.74	1/4	4,951.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,593.03	1/2	3,935.53	1/2	4,277.90	1/2	4,618.85	1/2	4,957.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,600.16	3/4	3,942.66	3/4	4,285.00	3/4	4,625.95	3/4	4,964.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,607.30	10	3,949.80	10	4,292.11	10	4,633.05	10	4,970.88	10	10	10	10	10	10	10	10	10	10
1/4	3,614.43	1/4	3,956.93	1/4	4,299.21	1/4	4,640.15	1/4	4,976.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,621.56	1/2	3,964.07	1/2	4,306.31	1/2	4,647.26	1/2	4,982.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,628.70	3/4	3,971.21	3/4	4,313.42	3/4	4,654.36	3/4	4,987.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,635.83	11	3,978.34	11	4,320.52	11	4,661.46	11	4,993.17	11	11	11	11	11	11	11	11	11	11
1/4	3,642.96	1/4	3,985.48	1/4	4,327.62	1/4	4,668.57	1/4	4,997.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,650.10	1/2	3,992.61	1/2	4,334.73	1/2	4,675.67	1/2	5,001.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,657.24	3/4	3,999.75	3/4	4,341.83	3/4	4,682.77	3/4	5,006.32	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020



BARGE "HSM 3318"

formerly the
BARGE "FMT 3318"

**2 PORT
INNAGE TABLE**

**10" HATCH
GAUGE HEIGHT 18'-02 1/2"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	300.52	0	643.79	0	979.19	0	1,315.84	0	1,659.12	0	2,002.40	0	2,345.69	0	2,688.97	0	3,032.25
1/4	3.94	1/4	307.68	1/4	650.94	1/4	986.04	1/4	1,322.99	1/4	1,666.27	1/4	2,009.56	1/4	2,352.84	1/4	2,696.12	1/4	3,039.39
1/2	5.73	1/2	314.83	1/2	658.09	1/2	992.88	1/2	1,330.14	1/2	1,673.43	1/2	2,016.71	1/2	2,359.99	1/2	2,703.27	1/2	3,046.54
3/4	7.52	3/4	321.98	3/4	665.25	3/4	999.73	3/4	1,337.30	3/4	1,680.58	3/4	2,023.86	3/4	2,367.14	3/4	2,710.42	3/4	3,053.68
1	9.30	1	329.13	1	672.40	1	1,006.57	1	1,344.45	1	1,687.73	1	2,031.01	1	2,374.29	1	2,717.57	1	3,060.82
1/4	12.88	1/4	336.28	1/4	679.55	1/4	1,013.41	1/4	1,351.60	1/4	1,694.88	1/4	2,038.16	1/4	2,381.44	1/4	2,724.73	1/4	3,067.97
1/2	16.46	1/2	343.43	1/2	686.70	1/2	1,020.26	1/2	1,358.75	1/2	1,702.03	1/2	2,045.31	1/2	2,388.60	1/2	2,731.88	1/2	3,075.12
3/4	20.03	3/4	350.58	3/4	693.85	3/4	1,027.10	3/4	1,365.90	3/4	1,709.18	3/4	2,052.47	3/4	2,395.75	3/4	2,739.03	3/4	3,082.27
2	23.61	2	357.74	2	701.00	2	1,033.95	2	1,373.05	2	1,716.34	2	2,059.62	2	2,402.90	2	2,746.18	2	3,089.42
1/4	28.97	1/4	364.89	1/4	708.15	1/4	1,040.79	1/4	1,380.21	1/4	1,723.49	1/4	2,066.77	1/4	2,410.05	1/4	2,753.33	1/4	3,096.57
1/2	34.33	1/2	372.04	1/2	715.31	1/2	1,047.63	1/2	1,387.36	1/2	1,730.64	1/2	2,073.92	1/2	2,417.20	1/2	2,760.48	1/2	3,103.72
3/4	39.70	3/4	379.19	3/4	722.46	3/4	1,054.48	3/4	1,394.51	3/4	1,737.79	3/4	2,081.07	3/4	2,424.35	3/4	2,767.64	3/4	3,110.87
3	45.06	3	386.34	3	729.61	3	1,061.32	3	1,401.66	3	1,744.94	3	2,088.22	3	2,431.51	3	2,774.79	3	3,118.02
1/4	51.74	1/4	393.49	1/4	736.76	1/4	1,068.17	1/4	1,408.81	1/4	1,752.09	1/4	2,095.38	1/4	2,438.66	1/4	2,781.94	1/4	3,125.17
1/2	58.43	1/2	400.64	1/2	743.91	1/2	1,075.02	1/2	1,415.96	1/2	1,759.25	1/2	2,102.53	1/2	2,445.81	1/2	2,789.09	1/2	3,132.32
3/4	65.11	3/4	407.80	3/4	751.06	3/4	1,081.87	3/4	1,423.12	3/4	1,766.40	3/4	2,109.68	3/4	2,452.96	3/4	2,796.24	3/4	3,139.47
4	71.80	4	414.95	4	758.21	4	1,088.72	4	1,430.27	4	1,773.55	4	2,116.83	4	2,460.11	4	2,803.39	4	3,146.62
1/4	78.93	1/4	422.10	1/4	765.37	1/4	1,095.58	1/4	1,437.42	1/4	1,780.70	1/4	2,123.98	1/4	2,467.26	1/4	2,810.55	1/4	3,153.77
1/2	86.06	1/2	429.25	1/2	772.52	1/2	1,102.44	1/2	1,444.57	1/2	1,787.85	1/2	2,131.13	1/2	2,474.42	1/2	2,817.70	1/2	3,160.92
3/4	93.18	3/4	436.40	3/4	779.67	3/4	1,109.30	3/4	1,451.72	3/4	1,795.00	3/4	2,138.29	3/4	2,481.57	3/4	2,824.85	3/4	3,168.07
5	100.31	5	443.55	5	786.82	5	1,116.16	5	1,458.87	5	1,802.16	5	2,145.44	5	2,488.72	5	2,832.00	5	3,175.22
1/4	107.46	1/4	450.70	1/4	793.83	1/4	1,123.17	1/4	1,466.03	1/4	1,809.31	1/4	2,152.59	1/4	2,495.87	1/4	2,839.15	1/4	3,182.37
1/2	114.60	1/2	457.86	1/2	800.84	1/2	1,130.18	1/2	1,473.18	1/2	1,816.46	1/2	2,159.74	1/2	2,503.02	1/2	2,846.30	1/2	3,189.52
3/4	121.75	3/4	465.01	3/4	807.85	3/4	1,137.19	3/4	1,480.33	3/4	1,823.61	3/4	2,166.89	3/4	2,510.17	3/4	2,853.46	3/4	3,196.67
6	128.89	6	472.16	6	814.86	6	1,144.20	6	1,487.48	6	1,830.76	6	2,174.04	6	2,517.33	6	2,860.61	6	3,203.82
1/4	136.04	1/4	479.31	1/4	821.72	1/4	1,151.35	1/4	1,494.63	1/4	1,837.91	1/4	2,181.20	1/4	2,524.48	1/4	2,867.76	1/4	3,210.97
1/2	143.20	1/2	486.46	1/2	828.58	1/2	1,158.50	1/2	1,501.78	1/2	1,845.07	1/2	2,188.35	1/2	2,531.63	1/2	2,874.91	1/2	3,218.12
3/4	150.35	3/4	493.61	3/4	835.44	3/4	1,165.65	3/4	1,508.94	3/4	1,852.22	3/4	2,195.50	3/4	2,538.78	3/4	2,882.06	3/4	3,225.27
7	157.50	7	500.76	7	842.30	7	1,172.81	7	1,516.09	7	1,859.37	7	2,202.65	7	2,545.93	7	2,889.21	7	3,232.42
1/4	164.65	1/4	507.92	1/4	849.15	1/4	1,179.96	1/4	1,523.24	1/4	1,866.52	1/4	2,209.80	1/4	2,553.08	1/4	2,896.37	1/4	3,239.56
1/2	171.80	1/2	515.07	1/2	856.00	1/2	1,187.11	1/2	1,530.39	1/2	1,873.67	1/2	2,216.95	1/2	2,560.24	1/2	2,903.52	1/2	3,246.71
3/4	178.95	3/4	522.22	3/4	862.84	3/4	1,194.26	3/4	1,537.54	3/4	1,880.82	3/4	2,224.11	3/4	2,567.39	3/4	2,910.67	3/4	3,253.86
8	186.10	8	529.37	8	869.69	8	1,201.41	8	1,544.69	8	1,887.98	8	2,231.26	8	2,574.54	8	2,917.82	8	3,261.01
1/4	193.25	1/4	536.52	1/4	876.54	1/4	1,208.56	1/4	1,551.85	1/4	1,895.13	1/4	2,238.41	1/4	2,581.69	1/4	2,924.97	1/4	3,268.16
1/2	200.41	1/2	543.67	1/2	883.38	1/2	1,215.72	1/2	1,559.00	1/2	1,902.28	1/2	2,245.56	1/2	2,588.84	1/2	2,932.12	1/2	3,275.31
3/4	207.56	3/4	550.82	3/4	890.22	3/4	1,222.87	3/4	1,566.15	3/4	1,909.43	3/4	2,252.71	3/4	2,595.99	3/4	2,939.28	3/4	3,282.46
9	214.71	9	557.98	9	897.07	9	1,230.02	9	1,573.30	9	1,916.58	9	2,259.86	9	2,603.15	9	2,946.43	9	3,289.61
1/4	221.86	1/4	565.13	1/4	903.91	1/4	1,237.17	1/4	1,580.45	1/4	1,923.73	1/4	2,267.02	1/4	2,610.30	1/4	2,953.58	1/4	3,296.76
1/2	229.01	1/2	572.28	1/2	910.75	1/2	1,244.32	1/2	1,587.60	1/2	1,930.89	1/2	2,274.17	1/2	2,617.45	1/2	2,960.73	1/2	3,303.91
3/4	236.16	3/4	579.43	3/4	917.60	3/4	1,251.48	3/4	1,594.76	3/4	1,938.04	3/4	2,281.32	3/4	2,624.60	3/4	2,967.88	3/4	3,311.06
10	243.31	10	586.58	10	924.44	10	1,258.63	10	1,601.91	10	1,945.19	10	2,288.47	10	2,631.75	10	2,975.03	10	3,318.21
1/4	250.46	1/4	593.73	1/4	931.29	1/4	1,265.78	1/4	1,609.06	1/4	1,952.34	1/4	2,295.62	1/4	2,638.90	1/4	2,982.19	1/4	3,325.36
1/2	257.62	1/2	600.88	1/2	938.13	1/2	1,272.93	1/2	1,616.21	1/2	1,959.49	1/2	2,302.77	1/2	2,646.06	1/2	2,989.34	1/2	3,332.51
3/4	264.77	3/4	608.03	3/4	944.97	3/4	1,280.08	3/4	1,623.36	3/4	1,966.64	3/4	2,309.93	3/4	2,653.21	3/4	2,996.49	3/4	3,339.66
11	271.92	11	615.19	11	951.82	11	1,287.23	11	1,630.52	11	1,973.80	11	2,317.08	11	2,660.36	11	3,003.64	11	3,346.81
1/4	279.07	1/4	622.34	1/4	958.66	1/4	1,294.39	1/4	1,637.67	1/4	1,980.95	1/4	2,324.23	1/4	2,667.51	1/4	3,010.79	1/4	3,353.96
1/2	286.22	1/2	629.49	1/2	965.51	1/2	1,301.54	1/2	1,644.82	1/2	1,988.10	1/2	2,331.38	1/2	2,674.66	1/2	3,017.94	1/2	3,361.11
3/4	293.37	3/4	636.64	3/4	972.35	3/4	1,308.69	3/4	1,651.97	3/4	1,995.25	3/4	2,338.53	3/4	2,681.81	3/4	3,025.10	3/4	3,368.26

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" 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 "HSM 3318"

formerly the

BARGE "FMT 3318"

2 PORT INNAGE TABLE 10" HATCH

GAUGE HEIGHT 18'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,375.41	0	3,718.59	0	4,061.77	0	4,404.49	0	4,746.11	0	5,067.56	0		0		0		0	
1/4	3,382.56	1/4	3,725.74	1/4	4,068.92	1/4	4,411.61	1/4	4,753.23	1/4	5,070.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,389.71	1/2	3,732.89	1/2	4,076.07	1/2	4,418.73	1/2	4,760.34	1/2	5,073.95	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,396.86	3/4	3,740.04	3/4	4,083.22	3/4	4,425.84	3/4	4,767.46	3/4	5,077.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,404.01	1	3,747.19	1	4,090.37	1	4,432.96	1	4,774.58	1	5,080.35	1	1	1	1	1	1	1	1
1/4	3,411.16	1/4	3,754.34	1/4	4,097.52	1/4	4,440.08	1/4	4,781.69	1/4	5,082.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,418.30	1/2	3,761.49	1/2	4,104.67	1/2	4,447.20	1/2	4,788.81	1/2	5,084.36	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,425.45	3/4	3,768.64	3/4	4,111.82	3/4	4,454.31	3/4	4,795.93	3/4	5,086.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,432.60	2	3,775.78	2	4,118.97	2	4,461.43	2	4,803.05	2	5,088.37	2	2	2	2	2	2	2	2
1/4	3,439.75	1/4	3,782.93	1/4	4,126.12	1/4	4,468.55	1/4	4,810.16	1/4	5,089.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,446.90	1/2	3,790.08	1/2	4,133.26	1/2	4,475.66	1/2	4,817.28	1/2	5,090.23	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,454.05	3/4	3,797.23	3/4	4,140.41	3/4	4,482.78	3/4	4,824.40	3/4	5,091.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,461.20	3	3,804.38	3	4,147.56	3	4,489.90	3	4,831.51	3	5,092.09	3	3	3	3	3	3	3	3
1/4	3,468.35	1/4	3,811.53	1/4	4,154.71	1/4	4,497.01	1/4	4,838.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,475.50	1/2	3,818.68	1/2	4,161.86	1/2	4,504.13	1/2	4,845.75	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,482.65	3/4	3,825.83	3/4	4,169.01	3/4	4,511.25	3/4	4,852.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,489.80	4	3,832.98	4	4,176.16	4	4,518.37	4	4,859.98	4		4	4	4	4	4	4	4	4
1/4	3,496.95	1/4	3,840.13	1/4	4,183.31	1/4	4,525.48	1/4	4,867.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,504.10	1/2	3,847.28	1/2	4,190.46	1/2	4,532.60	1/2	4,874.17	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,511.25	3/4	3,854.43	3/4	4,197.61	3/4	4,539.72	3/4	4,881.26	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,518.40	5	3,861.58	5	4,204.76	5	4,546.83	5	4,888.36	5		5	5	5	5	5	5	5	5
1/4	3,525.55	1/4	3,868.73	1/4	4,211.91	1/4	4,553.95	1/4	4,895.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,532.70	1/2	3,875.88	1/2	4,219.06	1/2	4,561.07	1/2	4,902.50	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,539.85	3/4	3,883.03	3/4	4,226.21	3/4	4,568.18	3/4	4,909.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,547.00	6	3,890.18	6	4,233.36	6	4,575.30	6	4,916.65	6		6	6	6	6	6	6	6	6
1/4	3,554.15	1/4	3,897.33	1/4	4,240.51	1/4	4,582.42	1/4	4,923.72	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,561.30	1/2	3,904.48	1/2	4,247.66	1/2	4,589.54	1/2	4,930.79	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,568.45	3/4	3,911.63	3/4	4,254.81	3/4	4,596.65	3/4	4,937.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,575.60	7	3,918.78	7	4,261.96	7	4,603.77	7	4,944.93	7		7	7	7	7	7	7	7	7
1/4	3,582.75	1/4	3,925.93	1/4	4,269.11	1/4	4,610.89	1/4	4,951.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,589.90	1/2	3,933.08	1/2	4,276.26	1/2	4,618.00	1/2	4,959.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,597.04	3/4	3,940.23	3/4	4,283.41	3/4	4,625.12	3/4	4,966.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,604.19	8	3,947.38	8	4,290.56	8	4,632.24	8	4,973.18	8		8	8	8	8	8	8	8	8
1/4	3,611.34	1/4	3,954.52	1/4	4,297.69	1/4	4,639.35	1/4	4,980.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,618.49	1/2	3,961.67	1/2	4,304.82	1/2	4,646.47	1/2	4,987.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,625.64	3/4	3,968.82	3/4	4,311.96	3/4	4,653.59	3/4	4,994.27	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,632.79	9	3,975.97	9	4,319.09	9	4,660.71	9	5,001.30	9		9	9	9	9	9	9	9	9
1/4	3,639.94	1/4	3,983.12	1/4	4,326.21	1/4	4,667.82	1/4	5,007.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,647.09	1/2	3,990.27	1/2	4,333.32	1/2	4,674.94	1/2	5,014.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,654.24	3/4	3,997.42	3/4	4,340.44	3/4	4,682.06	3/4	5,021.08	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,661.39	10	4,004.57	10	4,347.56	10	4,689.17	10	5,027.67	10		10	10	10	10	10	10	10	10
1/4	3,668.54	1/4	4,011.72	1/4	4,354.67	1/4	4,696.29	1/4	5,033.25	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,675.69	1/2	4,018.87	1/2	4,361.79	1/2	4,703.41	1/2	5,038.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,682.84	3/4	4,026.02	3/4	4,368.91	3/4	4,710.52	3/4	5,044.41	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,689.99	11	4,033.17	11	4,376.03	11	4,717.64	11	5,049.99	11		11	11	11	11	11	11	11	11
1/4	3,697.14	1/4	4,040.32	1/4	4,383.14	1/4	4,724.76	1/4	5,054.38	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,704.29	1/2	4,047.47	1/2	4,390.26	1/2	4,731.88	1/2	5,058.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,711.44	3/4	4,054.62	3/4	4,397.38	3/4	4,738.99	3/4	5,063.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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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	2.16	0	300.78	0	644.33	0	987.62	0	1,330.97	0	1,674.54	0	2,018.11	0	2,361.68	0	2,705.25	0	3,048.82
1/4	3.95	1/4	307.94	1/4	651.49	1/4	994.76	1/4	1,338.13	1/4	1,681.70	1/4	2,025.27	1/4	2,368.84	1/4	2,712.41	1/4	3,055.97
1/2	5.73	1/2	315.09	1/2	658.65	1/2	1,001.91	1/2	1,345.28	1/2	1,688.85	1/2	2,032.42	1/2	2,375.99	1/2	2,719.56	1/2	3,063.13
3/4	7.52	3/4	322.25	3/4	665.81	3/4	1,009.05	3/4	1,352.44	3/4	1,696.01	3/4	2,039.58	3/4	2,383.15	3/4	2,726.72	3/4	3,070.28
1	9.31	1	329.41	1	672.96	1	1,016.19	1	1,359.60	1	1,703.17	1	2,046.74	1	2,390.31	1	2,733.88	1	3,077.44
1/4	12.89	1/4	336.57	1/4	680.12	1/4	1,023.34	1/4	1,366.76	1/4	1,710.33	1/4	2,053.90	1/4	2,397.47	1/4	2,741.04	1/4	3,084.59
1/2	16.47	1/2	343.72	1/2	687.28	1/2	1,030.48	1/2	1,373.92	1/2	1,717.49	1/2	2,061.05	1/2	2,404.62	1/2	2,748.19	1/2	3,091.75
3/4	20.05	3/4	350.88	3/4	694.44	3/4	1,037.63	3/4	1,381.07	3/4	1,724.64	3/4	2,068.21	3/4	2,411.78	3/4	2,755.35	3/4	3,098.90
2	23.63	2	358.04	2	701.59	2	1,044.77	2	1,388.23	2	1,731.80	2	2,075.37	2	2,418.94	2	2,762.51	2	3,106.06
1/4	28.99	1/4	365.20	1/4	708.75	1/4	1,051.91	1/4	1,395.39	1/4	1,738.96	1/4	2,082.53	1/4	2,426.10	1/4	2,769.67	1/4	3,113.22
1/2	34.36	1/2	372.35	1/2	715.91	1/2	1,059.06	1/2	1,402.55	1/2	1,746.12	1/2	2,089.69	1/2	2,433.26	1/2	2,776.82	1/2	3,120.37
3/4	39.73	3/4	379.51	3/4	723.07	3/4	1,066.20	3/4	1,409.70	3/4	1,753.27	3/4	2,096.84	3/4	2,440.41	3/4	2,783.98	3/4	3,127.53
3	45.10	3	386.67	3	730.22	3	1,073.34	3	1,416.86	3	1,760.43	3	2,104.00	3	2,447.57	3	2,791.14	3	3,134.68
1/4	51.79	1/4	393.83	1/4	737.38	1/4	1,080.49	1/4	1,424.02	1/4	1,767.59	1/4	2,111.16	1/4	2,454.73	1/4	2,798.30	1/4	3,141.84
1/2	58.48	1/2	400.98	1/2	744.54	1/2	1,087.64	1/2	1,431.18	1/2	1,774.75	1/2	2,118.32	1/2	2,461.89	1/2	2,805.46	1/2	3,148.99
3/4	65.17	3/4	408.14	3/4	751.70	3/4	1,094.79	3/4	1,438.34	3/4	1,781.90	3/4	2,125.47	3/4	2,469.04	3/4	2,812.61	3/4	3,156.15
4	71.86	4	415.30	4	758.85	4	1,101.93	4	1,445.49	4	1,789.06	4	2,132.63	4	2,476.20	4	2,819.77	4	3,163.31
1/4	79.00	1/4	422.45	1/4	766.01	1/4	1,109.09	1/4	1,452.65	1/4	1,796.22	1/4	2,139.79	1/4	2,483.36	1/4	2,826.93	1/4	3,170.46
1/2	86.13	1/2	429.61	1/2	773.17	1/2	1,116.24	1/2	1,459.81	1/2	1,803.38	1/2	2,146.95	1/2	2,490.52	1/2	2,834.09	1/2	3,177.62
3/4	93.26	3/4	436.77	3/4	780.32	3/4	1,123.40	3/4	1,466.97	3/4	1,810.54	3/4	2,154.11	3/4	2,497.67	3/4	2,841.24	3/4	3,184.77
5	100.40	5	443.93	5	787.48	5	1,130.55	5	1,474.12	5	1,817.69	5	2,161.26	5	2,504.83	5	2,848.40	5	3,191.93
1/4	107.55	1/4	451.08	1/4	794.64	1/4	1,137.71	1/4	1,481.28	1/4	1,824.85	1/4	2,168.42	1/4	2,511.99	1/4	2,855.56	1/4	3,199.08
1/2	114.70	1/2	458.24	1/2	801.80	1/2	1,144.87	1/2	1,488.44	1/2	1,832.01	1/2	2,175.58	1/2	2,519.15	1/2	2,862.72	1/2	3,206.24
3/4	121.85	3/4	465.40	3/4	808.95	3/4	1,152.03	3/4	1,495.60	3/4	1,839.17	3/4	2,182.74	3/4	2,526.31	3/4	2,869.88	3/4	3,213.40
6	129.00	6	472.56	6	816.11	6	1,159.18	6	1,502.75	6	1,846.32	6	2,189.89	6	2,533.46	6	2,877.03	6	3,220.55
1/4	136.16	1/4	479.71	1/4	823.27	1/4	1,166.34	1/4	1,509.91	1/4	1,853.48	1/4	2,197.05	1/4	2,540.62	1/4	2,884.19	1/4	3,227.71
1/2	143.32	1/2	486.87	1/2	830.42	1/2	1,173.50	1/2	1,517.07	1/2	1,860.64	1/2	2,204.21	1/2	2,547.78	1/2	2,891.35	1/2	3,234.86
3/4	150.47	3/4	494.03	3/4	837.58	3/4	1,180.66	3/4	1,524.23	3/4	1,867.80	3/4	2,211.37	3/4	2,554.94	3/4	2,898.51	3/4	3,242.02
7	157.63	7	501.19	7	844.73	7	1,187.82	7	1,531.39	7	1,874.95	7	2,218.52	7	2,562.09	7	2,905.66	7	3,249.17
1/4	164.79	1/4	508.34	1/4	851.88	1/4	1,194.97	1/4	1,538.54	1/4	1,882.11	1/4	2,225.68	1/4	2,569.25	1/4	2,912.82	1/4	3,256.33
1/2	171.95	1/2	515.50	1/2	859.03	1/2	1,202.13	1/2	1,545.70	1/2	1,889.27	1/2	2,232.84	1/2	2,576.41	1/2	2,919.98	1/2	3,263.49
3/4	179.10	3/4	522.66	3/4	866.18	3/4	1,209.29	3/4	1,552.86	3/4	1,896.43	3/4	2,240.00	3/4	2,583.57	3/4	2,927.14	3/4	3,270.64
8	186.26	8	529.82	8	873.32	8	1,216.45	8	1,560.02	8	1,903.59	8	2,247.16	8	2,590.72	8	2,934.29	8	3,277.80
1/4	193.42	1/4	536.97	1/4	880.47	1/4	1,223.60	1/4	1,567.17	1/4	1,910.74	1/4	2,254.31	1/4	2,597.88	1/4	2,941.45	1/4	3,284.95
1/2	200.58	1/2	544.13	1/2	887.61	1/2	1,230.76	1/2	1,574.33	1/2	1,917.90	1/2	2,261.47	1/2	2,605.04	1/2	2,948.61	1/2	3,292.11
3/4	207.73	3/4	551.29	3/4	894.75	3/4	1,237.92	3/4	1,581.49	3/4	1,925.06	3/4	2,268.63	3/4	2,612.20	3/4	2,955.77	3/4	3,299.26
9	214.89	9	558.45	9	901.90	9	1,245.08	9	1,588.65	9	1,932.22	9	2,275.79	9	2,619.36	9	2,962.93	9	3,306.42
1/4	222.05	1/4	565.60	1/4	909.04	1/4	1,252.23	1/4	1,595.80	1/4	1,939.37	1/4	2,282.94	1/4	2,626.51	1/4	2,970.08	1/4	3,313.58
1/2	229.21	1/2	572.76	1/2	916.18	1/2	1,259.39	1/2	1,602.96	1/2	1,946.53	1/2	2,290.10	1/2	2,633.67	1/2	2,977.24	1/2	3,320.73
3/4	236.36	3/4	579.92	3/4	923.33	3/4	1,266.55	3/4	1,610.12	3/4	1,953.69	3/4	2,297.26	3/4	2,640.83	3/4	2,984.40	3/4	3,327.89
10	243.52	10	587.08	10	930.47	10	1,273.71	10	1,617.28	10	1,960.85	10	2,304.42	10	2,647.99	10	2,991.56	10	3,335.04
1/4	250.68	1/4	594.23	1/4	937.62	1/4	1,280.87	1/4	1,624.44	1/4	1,968.00	1/4	2,311.57	1/4	2,655.14	1/4	2,998.71	1/4	3,342.20
1/2	257.83	1/2	601.39	1/2	944.76	1/2	1,288.02	1/2	1,631.59	1/2	1,975.16	1/2	2,318.73	1/2	2,662.30	1/2	3,005.87	1/2	3,349.35
3/4	264.99	3/4	608.55	3/4	951.90	3/4	1,295.18	3/4	1,638.75	3/4	1,982.32	3/4	2,325.89	3/4	2,669.46	3/4	3,013.03	3/4	3,356.51
11	272.15	11	615.70	11	959.05	11	1,302.34	11	1,645.91	11	1,989.48	11	2,333.05	11	2,676.62	11	3,020.19	11	3,363.67
1/4	279.31	1/4	622.86	1/4	966.19	1/4	1,309.50	1/4	1,653.07	1/4	1,996.64	1/4	2,340.21	1/4	2,683.77	1/4	3,027.34	1/4	3,370.82
1/2	286.46	1/2	630.02	1/2	973.33	1/2	1,316.65	1/2	1,660.22	1/2	2,003.79	1/2	2,347.36	1/2	2,690.93	1/2	3,034.50	1/2	3,377.98
3/4	293.62	3/4	637.18	3/4	980.48	3/4	1,323.81	3/4	1,667.38	3/4	2,010.95	3/4	2,354.52	3/4	2,698.09	3/4	3,041.66	3/4	3,385.13

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 3'-00" 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 "HSM 3318"
formerly the
BARGE "FMT 3318"

2 STBD
INNAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,392.29	0	3,735.77	0	4,079.34	0	4,422.45	0	4,764.45	0	5,086.27	0		0		0		0	
1/4	3,399.44	1/4	3,742.93	1/4	4,086.50	1/4	4,429.58	1/4	4,771.58	1/4	5,089.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,406.60	1/2	3,750.09	1/2	4,093.66	1/2	4,436.70	1/2	4,778.70	1/2	5,092.67	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,413.76	3/4	3,757.24	3/4	4,100.81	3/4	4,443.83	3/4	4,785.83	3/4	5,095.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,420.91	1	3,764.40	1	4,107.97	1	4,450.95	1	4,792.95	1	5,099.08	1	1	1	1	1	1	1	1
1/4	3,428.07	1/4	3,771.56	1/4	4,115.13	1/4	4,458.08	1/4	4,800.08	1/4	5,101.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,435.22	1/2	3,778.72	1/2	4,122.29	1/2	4,465.20	1/2	4,807.20	1/2	5,103.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,442.38	3/4	3,785.88	3/4	4,129.45	3/4	4,472.33	3/4	4,814.33	3/4	5,105.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,449.53	2	3,793.03	2	4,136.60	2	4,479.45	2	4,821.45	2	5,107.12	2	2	2	2	2	2	2	2
1/4	3,456.69	1/4	3,800.19	1/4	4,143.76	1/4	4,486.58	1/4	4,828.58	1/4	5,108.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,463.85	1/2	3,807.35	1/2	4,150.92	1/2	4,493.70	1/2	4,835.70	1/2	5,108.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,471.00	3/4	3,814.51	3/4	4,158.08	3/4	4,500.83	3/4	4,842.83	3/4	5,109.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,478.16	3	3,821.66	3	4,165.23	3	4,507.95	3	4,849.95	3	5,110.84	3	3	3	3	3	3	3	3
1/4	3,485.31	1/4	3,828.82	1/4	4,172.39	1/4	4,515.08	1/4	4,857.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,492.47	1/2	3,835.98	1/2	4,179.55	1/2	4,522.20	1/2	4,864.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,499.62	3/4	3,843.14	3/4	4,186.71	3/4	4,529.33	3/4	4,871.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,506.78	4	3,850.29	4	4,193.86	4	4,536.45	4	4,878.45	4		4	4	4	4	4	4	4	4
1/4	3,513.94	1/4	3,857.45	1/4	4,201.02	1/4	4,543.58	1/4	4,885.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,521.09	1/2	3,864.61	1/2	4,208.18	1/2	4,550.70	1/2	4,892.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,528.25	3/4	3,871.77	3/4	4,215.34	3/4	4,557.83	3/4	4,899.76	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,535.40	5	3,878.93	5	4,222.50	5	4,564.95	5	4,906.86	5		5	5	5	5	5	5	5	5
1/4	3,542.56	1/4	3,886.08	1/4	4,229.65	1/4	4,572.08	1/4	4,913.94	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,549.71	1/2	3,893.24	1/2	4,236.81	1/2	4,579.20	1/2	4,921.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,556.87	3/4	3,900.40	3/4	4,243.97	3/4	4,586.33	3/4	4,928.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,564.03	6	3,907.56	6	4,251.13	6	4,593.45	6	4,935.18	6		6	6	6	6	6	6	6	6
1/4	3,571.18	1/4	3,914.71	1/4	4,258.28	1/4	4,600.58	1/4	4,942.26	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,578.34	1/2	3,921.87	1/2	4,265.44	1/2	4,607.70	1/2	4,949.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,585.49	3/4	3,929.03	3/4	4,272.60	3/4	4,614.83	3/4	4,956.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,592.65	7	3,936.19	7	4,279.76	7	4,621.95	7	4,963.49	7		7	7	7	7	7	7	7	7
1/4	3,599.80	1/4	3,943.34	1/4	4,286.91	1/4	4,629.08	1/4	4,970.57	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,606.96	1/2	3,950.50	1/2	4,294.07	1/2	4,636.20	1/2	4,977.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,614.12	3/4	3,957.66	3/4	4,301.23	3/4	4,643.33	3/4	4,984.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,621.27	8	3,964.82	8	4,308.39	8	4,650.45	8	4,991.78	8		8	8	8	8	8	8	8	8
1/4	3,628.43	1/4	3,971.98	1/4	4,315.53	1/4	4,657.58	1/4	4,998.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,635.58	1/2	3,979.13	1/2	4,322.67	1/2	4,664.70	1/2	5,005.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,642.74	3/4	3,986.29	3/4	4,329.81	3/4	4,671.83	3/4	5,012.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,649.89	9	3,993.45	9	4,336.95	9	4,678.95	9	5,019.94	9		9	9	9	9	9	9	9	9
1/4	3,657.05	1/4	4,000.61	1/4	4,344.08	1/4	4,686.08	1/4	5,026.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,664.20	1/2	4,007.76	1/2	4,351.20	1/2	4,693.20	1/2	5,033.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,671.36	3/4	4,014.92	3/4	4,358.33	3/4	4,700.33	3/4	5,039.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,678.52	10	4,022.08	10	4,365.45	10	4,707.45	10	5,046.33	10		10	10	10	10	10	10	10	10
1/4	3,685.67	1/4	4,029.24	1/4	4,372.58	1/4	4,714.58	1/4	5,051.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,692.83	1/2	4,036.39	1/2	4,379.70	1/2	4,721.70	1/2	5,057.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,699.98	3/4	4,043.55	3/4	4,386.83	3/4	4,728.83	3/4	5,063.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,707.14	11	4,050.71	11	4,393.95	11	4,735.95	11	5,068.68	11		11	11	11	11	11	11	11	11
1/4	3,714.30	1/4	4,057.87	1/4	4,401.08	1/4	4,743.08	1/4	5,073.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,721.46	1/2	4,065.03	1/2	4,408.20	1/2	4,750.20	1/2	5,077.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,728.61	3/4	4,072.18	3/4	4,415.33	3/4	4,757.33	3/4	5,081.87	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

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



CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020



BARGE "HSM 3318"

formerly the

BARGE "FMT 3318"

3 PORT INNAGE TABLE

10" HATCH GAUGE HEIGHT 18'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	300.28	0	642.83	0	977.50	0	1,313.39	0	1,655.76	0	1,998.12	0	2,340.49	0	2,682.83	0	3,025.32
1/4	3.94	1/4	307.43	1/4	649.96	1/4	984.33	1/4	1,320.53	1/4	1,662.89	1/4	2,005.26	1/4	2,347.62	1/4	2,689.96	1/4	3,032.46
1/2	5.73	1/2	314.57	1/2	657.09	1/2	991.15	1/2	1,327.66	1/2	1,670.02	1/2	2,012.39	1/2	2,354.75	1/2	2,697.09	1/2	3,039.59
3/4	7.51	3/4	321.72	3/4	664.23	3/4	997.97	3/4	1,334.79	3/4	1,677.16	3/4	2,019.52	3/4	2,361.89	3/4	2,704.23	3/4	3,046.73
1	9.30	1	328.86	1	671.36	1	1,004.79	1	1,341.92	1	1,684.29	1	2,026.65	1	2,369.02	1	2,711.36	1	3,053.86
1/4	12.87	1/4	336.01	1/4	678.50	1/4	1,011.62	1/4	1,349.06	1/4	1,691.42	1/4	2,033.79	1/4	2,376.15	1/4	2,718.49	1/4	3,060.99
1/2	16.44	1/2	343.16	1/2	685.63	1/2	1,018.44	1/2	1,356.19	1/2	1,698.55	1/2	2,040.92	1/2	2,383.28	1/2	2,725.62	1/2	3,068.12
3/4	20.02	3/4	350.30	3/4	692.76	3/4	1,025.26	3/4	1,363.32	3/4	1,705.69	3/4	2,048.05	3/4	2,390.42	3/4	2,732.75	3/4	3,075.25
2	23.59	2	357.45	2	699.90	2	1,032.09	2	1,370.45	2	1,712.82	2	2,055.18	2	2,397.55	2	2,739.89	2	3,082.37
1/4	28.95	1/4	364.59	1/4	707.03	1/4	1,038.91	1/4	1,377.59	1/4	1,719.95	1/4	2,062.32	1/4	2,404.68	1/4	2,747.02	1/4	3,089.50
1/2	34.31	1/2	371.73	1/2	714.16	1/2	1,045.73	1/2	1,384.72	1/2	1,727.08	1/2	2,069.45	1/2	2,411.81	1/2	2,754.15	1/2	3,096.63
3/4	39.66	3/4	378.87	3/4	721.30	3/4	1,052.55	3/4	1,391.85	3/4	1,734.22	3/4	2,076.58	3/4	2,418.95	3/4	2,761.28	3/4	3,103.76
3	45.02	3	386.01	3	728.43	3	1,059.38	3	1,398.98	3	1,741.35	3	2,083.71	3	2,426.08	3	2,768.41	3	3,110.88
1/4	51.70	1/4	393.14	1/4	735.57	1/4	1,066.20	1/4	1,406.12	1/4	1,748.48	1/4	2,090.85	1/4	2,433.21	1/4	2,775.54	1/4	3,118.00
1/2	58.38	1/2	400.27	1/2	742.70	1/2	1,073.03	1/2	1,413.25	1/2	1,755.61	1/2	2,097.98	1/2	2,440.34	1/2	2,782.68	1/2	3,125.12
3/4	65.06	3/4	407.41	3/4	749.83	3/4	1,079.85	3/4	1,420.38	3/4	1,762.75	3/4	2,105.11	3/4	2,447.48	3/4	2,789.81	3/4	3,132.24
4	71.74	4	414.54	4	756.97	4	1,086.68	4	1,427.51	4	1,769.88	4	2,112.24	4	2,454.61	4	2,796.94	4	3,139.36
1/4	78.87	1/4	421.67	1/4	764.10	1/4	1,093.55	1/4	1,434.65	1/4	1,777.01	1/4	2,119.38	1/4	2,461.74	1/4	2,804.07	1/4	3,146.47
1/2	85.99	1/2	428.81	1/2	771.24	1/2	1,100.41	1/2	1,441.78	1/2	1,784.14	1/2	2,126.51	1/2	2,468.87	1/2	2,811.20	1/2	3,153.58
3/4	93.11	3/4	435.94	3/4	778.37	3/4	1,107.28	3/4	1,448.91	3/4	1,791.28	3/4	2,133.64	3/4	2,476.01	3/4	2,818.33	3/4	3,160.69
5	100.23	5	443.08	5	785.50	5	1,114.14	5	1,456.05	5	1,798.41	5	2,140.77	5	2,483.14	5	2,825.47	5	3,167.80
1/4	107.37	1/4	450.21	1/4	792.52	1/4	1,121.16	1/4	1,463.18	1/4	1,805.54	1/4	2,147.91	1/4	2,490.27	1/4	2,832.60	1/4	3,174.91
1/2	114.51	1/2	457.34	1/2	799.54	1/2	1,128.18	1/2	1,470.31	1/2	1,812.68	1/2	2,155.04	1/2	2,497.41	1/2	2,839.73	1/2	3,182.02
3/4	121.65	3/4	464.48	3/4	806.56	3/4	1,135.19	3/4	1,477.44	3/4	1,819.81	3/4	2,162.17	3/4	2,504.54	3/4	2,846.86	3/4	3,189.13
6	128.79	6	471.61	6	813.58	6	1,142.21	6	1,484.58	6	1,826.94	6	2,169.31	6	2,511.67	6	2,853.99	6	3,196.24
1/4	135.94	1/4	478.75	1/4	820.44	1/4	1,149.34	1/4	1,491.71	1/4	1,834.07	1/4	2,176.44	1/4	2,518.80	1/4	2,861.12	1/4	3,203.35
1/2	143.08	1/2	485.88	1/2	827.31	1/2	1,156.48	1/2	1,498.84	1/2	1,841.21	1/2	2,183.57	1/2	2,525.93	1/2	2,868.26	1/2	3,210.46
3/4	150.23	3/4	493.01	3/4	834.17	3/4	1,163.61	3/4	1,505.97	3/4	1,848.34	3/4	2,190.70	3/4	2,533.07	3/4	2,875.39	3/4	3,217.57
7	157.37	7	500.15	7	841.04	7	1,170.74	7	1,513.11	7	1,855.47	7	2,197.84	7	2,540.20	7	2,882.52	7	3,224.68
1/4	164.52	1/4	507.28	1/4	847.87	1/4	1,177.87	1/4	1,520.24	1/4	1,862.60	1/4	2,204.97	1/4	2,547.33	1/4	2,889.65	1/4	3,231.79
1/2	171.66	1/2	514.42	1/2	854.69	1/2	1,185.01	1/2	1,527.37	1/2	1,869.74	1/2	2,212.10	1/2	2,554.46	1/2	2,896.78	1/2	3,238.90
3/4	178.81	3/4	521.55	3/4	861.52	3/4	1,192.14	3/4	1,534.50	3/4	1,876.87	3/4	2,219.23	3/4	2,561.59	3/4	2,903.91	3/4	3,246.01
8	185.95	8	528.68	8	868.35	8	1,199.27	8	1,541.64	8	1,884.00	8	2,226.37	8	2,568.72	8	2,911.05	8	3,253.13
1/4	193.10	1/4	535.82	1/4	875.17	1/4	1,206.40	1/4	1,548.77	1/4	1,891.13	1/4	2,233.50	1/4	2,575.86	1/4	2,918.18	1/4	3,260.24
1/2	200.24	1/2	542.95	1/2	881.99	1/2	1,213.54	1/2	1,555.90	1/2	1,898.27	1/2	2,240.63	1/2	2,582.99	1/2	2,925.32	1/2	3,267.35
3/4	207.39	3/4	550.08	3/4	888.81	3/4	1,220.67	3/4	1,563.03	3/4	1,905.40	3/4	2,247.76	3/4	2,590.12	3/4	2,932.46	3/4	3,274.46
9	214.54	9	557.22	9	895.64	9	1,227.80	9	1,570.17	9	1,912.53	9	2,254.90	9	2,597.25	9	2,939.60	9	3,281.57
1/4	221.68	1/4	564.35	1/4	902.46	1/4	1,234.93	1/4	1,577.30	1/4	1,919.66	1/4	2,262.03	1/4	2,604.38	1/4	2,946.74	1/4	3,288.68
1/2	228.83	1/2	571.49	1/2	909.28	1/2	1,242.07	1/2	1,584.43	1/2	1,926.80	1/2	2,269.16	1/2	2,611.51	1/2	2,953.89	1/2	3,295.79
3/4	235.97	3/4	578.62	3/4	916.10	3/4	1,249.20	3/4	1,591.56	3/4	1,933.93	3/4	2,276.29	3/4	2,618.65	3/4	2,961.03	3/4	3,302.90
10	243.12	10	585.75	10	922.92	10	1,256.33	10	1,598.70	10	1,941.06	10	2,283.43	10	2,625.78	10	2,968.17	10	3,310.02
1/4	250.26	1/4	592.89	1/4	929.75	1/4	1,263.47	1/4	1,605.83	1/4	1,948.19	1/4	2,290.56	1/4	2,632.91	1/4	2,975.32	1/4	3,317.13
1/2	257.41	1/2	600.02	1/2	936.57	1/2	1,270.60	1/2	1,612.96	1/2	1,955.33	1/2	2,297.69	1/2	2,640.04	1/2	2,982.46	1/2	3,324.24
3/4	264.55	3/4	607.16	3/4	943.39	3/4	1,277.73	3/4	1,620.10	3/4	1,962.46	3/4	2,304.82	3/4	2,647.17	3/4	2,989.60	3/4	3,331.35
11	271.70	11	614.29	11	950.21	11	1,284.86	11	1,627.23	11	1,969.59	11	2,311.96	11	2,654.30	11	2,996.75	11	3,338.46
1/4	278.85	1/4	621.42	1/4	957.04	1/4	1,292.00	1/4	1,634.36	1/4	1,976.72	1/4	2,319.09	1/4	2,661.44	1/4	3,003.89	1/4	3,344.19
1/2	285.99	1/2	628.56	1/2	963.86	1/2	1,299.13	1/2	1,641.49	1/2	1,983.86	1/2	2,326.22	1/2	2,668.57	1/2	3,011.03	1/2	3,349.92
3/4	293.14	3/4	635.69	3/4	970.68	3/4	1,306.26	3/4	1,648.63	3/4	1,990.99	3/4	2,333.35	3/4	2,675.70	3/4	3,018.18	3/4	3,355.65

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" 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 "HSM 3318"

formerly the
BARGE "FMT 3318"

**3 PORT
INNAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02 1/2"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,361.38	0	3,570.81	0	3,781.01	0	3,990.95	0	4,200.23	0	4,391.19	0		0		0		0	
1/4	3,365.72	1/4	3,575.19	1/4	3,785.39	1/4	3,995.31	1/4	4,204.59	1/4	4,392.90	1/4		1/4		1/4		1/4	
1/2	3,370.07	1/2	3,579.57	1/2	3,789.77	1/2	3,999.67	1/2	4,208.95	1/2	4,394.61	1/2		1/2		1/2		1/2	
3/4	3,374.41	3/4	3,583.95	3/4	3,794.15	3/4	4,004.03	3/4	4,213.31	3/4	4,396.32	3/4		3/4		3/4		3/4	
1	3,378.76	1	3,588.33	1	3,798.53	1	4,008.39	1	4,217.67	1	4,398.04	1		1		1		1	
1/4	3,383.11	1/4	3,592.70	1/4	3,802.91	1/4	4,012.75	1/4	4,222.03	1/4	4,399.75	1/4		1/4		1/4		1/4	
1/2	3,387.47	1/2	3,597.08	1/2	3,807.29	1/2	4,017.11	1/2	4,226.39	1/2	4,401.46	1/2		1/2		1/2		1/2	
3/4	3,391.82	3/4	3,601.46	3/4	3,811.67	3/4	4,021.47	3/4	4,230.75	3/4	4,403.17	3/4		3/4		3/4		3/4	
2	3,396.18	2	3,605.84	2	3,816.05	2	4,025.83	2	4,235.11	2	4,404.88	2		2		2		2	
1/4	3,400.54	1/4	3,610.22	1/4	3,820.43	1/4	4,030.19	1/4	4,239.47	1/4	4,405.96	1/4		1/4		1/4		1/4	
1/2	3,404.90	1/2	3,614.60	1/2	3,824.81	1/2	4,034.55	1/2	4,243.83	1/2	4,407.04	1/2		1/2		1/2		1/2	
3/4	3,409.27	3/4	3,618.98	3/4	3,829.19	3/4	4,038.91	3/4	4,248.19	3/4	4,408.11	3/4		3/4		3/4		3/4	
3	3,413.63	3	3,623.36	3	3,833.57	3	4,043.27	3	4,252.55	3	4,409.19	3		3		3		3	
1/4	3,417.99	1/4	3,627.74	1/4	3,837.95	1/4	4,047.63	1/4	4,256.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,422.36	1/2	3,632.12	1/2	3,842.32	1/2	4,051.99	1/2	4,261.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,426.72	3/4	3,636.50	3/4	3,846.70	3/4	4,056.35	3/4	4,265.63	3/4		3/4		3/4		3/4		3/4	
4	3,431.08	4	3,640.88	4	3,851.08	4	4,060.71	4	4,269.99	4		4		4		4		4	
1/4	3,435.45	1/4	3,645.26	1/4	3,855.46	1/4	4,065.07	1/4	4,274.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,439.81	1/2	3,649.64	1/2	3,859.84	1/2	4,069.43	1/2	4,278.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,444.17	3/4	3,654.01	3/4	3,864.22	3/4	4,073.79	3/4	4,283.03	3/4		3/4		3/4		3/4		3/4	
5	3,448.54	5	3,658.39	5	3,868.60	5	4,078.15	5	4,287.38	5		5		5		5		5	
1/4	3,452.90	1/4	3,662.77	1/4	3,872.98	1/4	4,082.51	1/4	4,291.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,457.26	1/2	3,667.15	1/2	3,877.36	1/2	4,086.87	1/2	4,296.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,461.63	3/4	3,671.53	3/4	3,881.74	3/4	4,091.23	3/4	4,300.38	3/4		3/4		3/4		3/4		3/4	
6	3,465.99	6	3,675.91	6	3,886.12	6	4,095.59	6	4,304.71	6		6		6		6		6	
1/4	3,470.35	1/4	3,680.29	1/4	3,890.50	1/4	4,099.95	1/4	4,309.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,474.72	1/2	3,684.67	1/2	3,894.88	1/2	4,104.31	1/2	4,313.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,479.08	3/4	3,689.05	3/4	3,899.26	3/4	4,108.67	3/4	4,317.70	3/4		3/4		3/4		3/4		3/4	
7	3,483.44	7	3,693.43	7	3,903.63	7	4,113.03	7	4,322.03	7		7		7		7		7	
1/4	3,487.81	1/4	3,697.81	1/4	3,908.01	1/4	4,117.39	1/4	4,326.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,492.17	1/2	3,702.19	1/2	3,912.39	1/2	4,121.75	1/2	4,330.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,496.53	3/4	3,706.57	3/4	3,916.77	3/4	4,126.11	3/4	4,335.00	3/4		3/4		3/4		3/4		3/4	
8	3,500.90	8	3,710.95	8	3,921.15	8	4,130.47	8	4,339.33	8		8		8		8		8	
1/4	3,505.26	1/4	3,715.32	1/4	3,925.52	1/4	4,134.83	1/4	4,343.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,509.62	1/2	3,719.70	1/2	3,929.89	1/2	4,139.19	1/2	4,347.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,513.99	3/4	3,724.08	3/4	3,934.26	3/4	4,143.55	3/4	4,352.20	3/4		3/4		3/4		3/4		3/4	
9	3,518.35	9	3,728.46	9	3,938.63	9	4,147.91	9	4,356.49	9		9		9		9		9	
1/4	3,522.71	1/4	3,732.84	1/4	3,942.99	1/4	4,152.27	1/4	4,360.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,527.08	1/2	3,737.22	1/2	3,947.35	1/2	4,156.63	1/2	4,364.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,531.44	3/4	3,741.60	3/4	3,951.71	3/4	4,160.99	3/4	4,368.05	3/4		3/4		3/4		3/4		3/4	
10	3,535.80	10	3,745.98	10	3,956.07	10	4,165.35	10	4,371.90	10		10		10		10		10	
1/4	3,540.18	1/4	3,750.36	1/4	3,960.43	1/4	4,169.71	1/4	4,374.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,544.55	1/2	3,754.74	1/2	3,964.79	1/2	4,174.07	1/2	4,377.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,548.92	3/4	3,759.12	3/4	3,969.15	3/4	4,178.43	3/4	4,380.43	3/4		3/4		3/4		3/4		3/4	
11	3,553.29	11	3,763.50	11	3,973.51	11	4,182.79	11	4,383.27	11		11		11		11		11	
1/4	3,557.67	1/4	3,767.88	1/4	3,977.87	1/4	4,187.15	1/4	4,385.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,562.05	1/2	3,772.26	1/2	3,982.23	1/2	4,191.51	1/2	4,387.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,566.43	3/4	3,776.64	3/4	3,986.59	3/4	4,195.87	3/4	4,389.21	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
CALCULATED: 08/06/2020 CL
PRINTED: 08/06/2020 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020



BARGE "HSM 3318"

formerly the

BARGE "FMT 3318"

3 STBD
INNAGE TABLE

10" HATCH
GAUGE HEIGHT 18'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	2.15	0	299.43	0	641.45	0	983.20	0	1,325.01	0	1,667.04	0	2,009.07	0	2,351.09	0	2,692.96	0	3,034.11
1/4	3.93	1/4	306.56	1/4	648.58	1/4	990.31	1/4	1,332.13	1/4	1,674.16	1/4	2,016.19	1/4	2,358.22	1/4	2,700.07	1/4	3,041.22
1/2	5.71	1/2	313.68	1/2	655.70	1/2	997.42	1/2	1,339.26	1/2	1,681.29	1/2	2,023.32	1/2	2,365.35	1/2	2,707.17	1/2	3,048.33
3/4	7.49	3/4	320.81	3/4	662.83	3/4	1,004.53	3/4	1,346.38	3/4	1,688.41	3/4	2,030.44	3/4	2,372.47	3/4	2,714.28	3/4	3,055.44
1	9.27	1	327.94	1	669.95	1	1,011.64	1	1,353.51	1	1,695.54	1	2,037.57	1	2,379.60	1	2,721.39	1	3,062.54
1/4	12.83	1/4	335.06	1/4	677.08	1/4	1,018.76	1/4	1,360.64	1/4	1,702.66	1/4	2,044.69	1/4	2,386.72	1/4	2,728.50	1/4	3,069.65
1/2	16.40	1/2	342.19	1/2	684.21	1/2	1,025.87	1/2	1,367.76	1/2	1,709.79	1/2	2,051.82	1/2	2,393.85	1/2	2,735.60	1/2	3,076.76
3/4	19.96	3/4	349.31	3/4	691.33	3/4	1,032.98	3/4	1,374.89	3/4	1,716.92	3/4	2,058.94	3/4	2,400.97	3/4	2,742.71	3/4	3,083.87
2	23.52	2	356.44	2	698.46	2	1,040.09	2	1,382.01	2	1,724.04	2	2,066.07	2	2,408.10	2	2,749.82	2	3,090.97
1/4	28.87	1/4	363.56	1/4	705.58	1/4	1,047.20	1/4	1,389.14	1/4	1,731.17	1/4	2,073.20	1/4	2,415.22	1/4	2,756.93	1/4	3,098.08
1/2	34.21	1/2	370.69	1/2	712.71	1/2	1,054.31	1/2	1,396.26	1/2	1,738.29	1/2	2,080.32	1/2	2,422.35	1/2	2,764.03	1/2	3,105.19
3/4	39.55	3/4	377.81	3/4	719.83	3/4	1,061.43	3/4	1,403.39	3/4	1,745.42	3/4	2,087.45	3/4	2,429.48	3/4	2,771.14	3/4	3,112.30
3	44.90	3	384.94	3	726.96	3	1,068.54	3	1,410.52	3	1,752.54	3	2,094.57	3	2,436.60	3	2,778.25	3	3,119.40
1/4	51.56	1/4	392.06	1/4	734.08	1/4	1,075.65	1/4	1,417.64	1/4	1,759.67	1/4	2,101.70	1/4	2,443.73	1/4	2,785.36	1/4	3,126.50
1/2	58.22	1/2	399.19	1/2	741.21	1/2	1,082.77	1/2	1,424.77	1/2	1,766.80	1/2	2,108.82	1/2	2,450.85	1/2	2,792.46	1/2	3,133.60
3/4	64.88	3/4	406.31	3/4	748.33	3/4	1,089.88	3/4	1,431.89	3/4	1,773.92	3/4	2,115.95	3/4	2,457.98	3/4	2,799.57	3/4	3,140.70
4	71.54	4	413.44	4	755.46	4	1,097.00	4	1,439.02	4	1,781.05	4	2,123.08	4	2,465.10	4	2,806.68	4	3,147.80
1/4	78.64	1/4	420.57	1/4	762.58	1/4	1,104.12	1/4	1,446.14	1/4	1,788.17	1/4	2,130.20	1/4	2,472.23	1/4	2,813.79	1/4	3,154.89
1/2	85.74	1/2	427.69	1/2	769.71	1/2	1,111.25	1/2	1,453.27	1/2	1,795.30	1/2	2,137.33	1/2	2,479.36	1/2	2,820.89	1/2	3,161.98
3/4	92.85	3/4	434.82	3/4	776.84	3/4	1,118.37	3/4	1,460.39	3/4	1,802.42	3/4	2,144.45	3/4	2,486.48	3/4	2,828.00	3/4	3,169.07
5	99.95	5	441.94	5	783.96	5	1,125.49	5	1,467.52	5	1,809.55	5	2,151.58	5	2,493.61	5	2,835.11	5	3,176.16
1/4	107.07	1/4	449.07	1/4	791.09	1/4	1,132.62	1/4	1,474.65	1/4	1,816.67	1/4	2,158.70	1/4	2,500.73	1/4	2,842.22	1/4	3,183.25
1/2	114.19	1/2	456.19	1/2	798.21	1/2	1,139.74	1/2	1,481.77	1/2	1,823.80	1/2	2,165.83	1/2	2,507.86	1/2	2,849.32	1/2	3,190.34
3/4	121.31	3/4	463.32	3/4	805.34	3/4	1,146.87	3/4	1,488.90	3/4	1,830.93	3/4	2,172.95	3/4	2,514.99	3/4	2,856.43	3/4	3,197.43
6	128.43	6	470.44	6	812.46	6	1,153.99	6	1,496.02	6	1,838.05	6	2,180.08	6	2,522.12	6	2,863.54	6	3,204.52
1/4	135.55	1/4	477.57	1/4	819.59	1/4	1,161.12	1/4	1,503.15	1/4	1,845.18	1/4	2,187.21	1/4	2,529.24	1/4	2,870.64	1/4	3,211.61
1/2	142.68	1/2	484.69	1/2	826.71	1/2	1,168.24	1/2	1,510.27	1/2	1,852.30	1/2	2,194.33	1/2	2,536.37	1/2	2,877.75	1/2	3,218.70
3/4	149.80	3/4	491.82	3/4	833.83	3/4	1,175.37	3/4	1,517.40	3/4	1,859.43	3/4	2,201.46	3/4	2,543.49	3/4	2,884.86	3/4	3,225.79
7	156.93	7	498.95	7	840.95	7	1,182.50	7	1,524.52	7	1,866.55	7	2,208.58	7	2,550.62	7	2,891.97	7	3,232.88
1/4	164.05	1/4	506.07	1/4	848.07	1/4	1,189.62	1/4	1,531.65	1/4	1,873.68	1/4	2,215.71	1/4	2,557.75	1/4	2,899.07	1/4	3,239.97
1/2	171.18	1/2	513.20	1/2	855.18	1/2	1,196.75	1/2	1,538.78	1/2	1,880.80	1/2	2,222.83	1/2	2,564.87	1/2	2,906.18	1/2	3,247.06
3/4	178.30	3/4	520.32	3/4	862.30	3/4	1,203.87	3/4	1,545.90	3/4	1,887.93	3/4	2,229.96	3/4	2,572.00	3/4	2,913.29	3/4	3,254.15
8	185.43	8	527.45	8	869.41	8	1,211.00	8	1,553.03	8	1,895.06	8	2,237.08	8	2,579.13	8	2,920.40	8	3,261.24
1/4	192.55	1/4	534.57	1/4	876.53	1/4	1,218.12	1/4	1,560.15	1/4	1,902.18	1/4	2,244.21	1/4	2,586.25	1/4	2,927.50	1/4	3,268.33
1/2	199.68	1/2	541.70	1/2	883.64	1/2	1,225.25	1/2	1,567.28	1/2	1,909.31	1/2	2,251.34	1/2	2,593.38	1/2	2,934.61	1/2	3,275.42
3/4	206.80	3/4	548.82	3/4	890.75	3/4	1,232.38	3/4	1,574.40	3/4	1,916.43	3/4	2,258.46	3/4	2,600.51	3/4	2,941.72	3/4	3,282.51
9	213.93	9	555.95	9	897.86	9	1,239.50	9	1,581.53	9	1,923.56	9	2,265.59	9	2,607.63	9	2,948.83	9	3,289.60
1/4	221.05	1/4	563.07	1/4	904.97	1/4	1,246.63	1/4	1,588.66	1/4	1,930.68	1/4	2,272.71	1/4	2,614.75	1/4	2,955.93	1/4	3,296.69
1/2	228.18	1/2	570.20	1/2	912.08	1/2	1,253.75	1/2	1,595.78	1/2	1,937.81	1/2	2,279.84	1/2	2,621.87	1/2	2,963.04	1/2	3,303.78
3/4	235.31	3/4	577.32	3/4	919.19	3/4	1,260.88	3/4	1,602.91	3/4	1,944.94	3/4	2,286.96	3/4	2,628.98	3/4	2,970.15	3/4	3,310.87
10	242.43	10	584.45	10	926.31	10	1,268.00	10	1,610.03	10	1,952.06	10	2,294.09	10	2,636.10	10	2,977.26	10	3,317.96
1/4	249.56	1/4	591.58	1/4	933.42	1/4	1,275.13	1/4	1,617.16	1/4	1,959.19	1/4	2,301.22	1/4	2,643.21	1/4	2,984.36	1/4	3,325.05
1/2	256.68	1/2	598.70	1/2	940.53	1/2	1,282.25	1/2	1,624.28	1/2	1,966.31	1/2	2,308.34	1/2	2,650.32	1/2	2,991.47	1/2	3,332.14
3/4	263.81	3/4	605.83	3/4	947.64	3/4	1,289.38	3/4	1,631.41	3/4	1,973.44	3/4	2,315.47	3/4	2,657.42	3/4	2,998.58	3/4	3,339.23
11	270.93	11	612.95	11	954.75	11	1,296.51	11	1,638.53	11	1,980.56	11	2,322.59	11	2,664.53	11	3,005.69	11	3,346.32
1/4	278.06	1/4	620.08	1/4	961.86	1/4	1,303.63	1/4	1,645.66	1/4	1,987.69	1/4	2,329.72	1/4	2,671.64	1/4	3,012.79	1/4	3,353.41
1/2	285.18	1/2	627.20	1/2	968.97	1/2	1,310.76	1/2	1,652.79	1/2	1,994.81	1/2	2,336.84	1/2	2,678.75	1/2	3,019.90	1/2	3,357.50
3/4	292.31	3/4	634.33	3/4	976.09	3/4	1,317.88	3/4	1,659.91	3/4	2,001.94	3/4	2,343.97	3/4	2,685.85	3/4	3,027.01	3/4	3,363.46

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP 10" HATCH ON EXPANSION DOME.
 GAUGE POINT: (10" HATCH) LOCATED 3'-03" OFF CENTERLINE AND 82'-08" 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 "HSM 3318"
formerly the
BARGE "FMT 3318"

3 STBD
INNAGE TABLE
10" HATCH
GAUGE HEIGHT 18'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,369.17	0	3,578.72	0	3,788.49	0	3,997.98	0	4,206.83	0	4,397.40	0		0		0		0	
1/4	3,373.51	1/4	3,583.09	1/4	3,792.86	1/4	4,002.33	1/4	4,211.18	1/4	4,399.10	1/4		1/4		1/4		1/4	
1/2	3,377.84	1/2	3,587.46	1/2	3,797.23	1/2	4,006.68	1/2	4,215.53	1/2	4,400.81	1/2		1/2		1/2		1/2	
3/4	3,382.18	3/4	3,591.83	3/4	3,801.60	3/4	4,011.03	3/4	4,219.88	3/4	4,402.52	3/4		3/4		3/4		3/4	
1	3,386.51	1	3,596.20	1	3,805.97	1	4,015.38	1	4,224.23	1	4,404.23	1		1		1		1	
1/4	3,390.86	1/4	3,600.57	1/4	3,810.34	1/4	4,019.73	1/4	4,228.58	1/4	4,405.93	1/4		1/4		1/4		1/4	
1/2	3,395.22	1/2	3,604.94	1/2	3,814.71	1/2	4,024.09	1/2	4,232.93	1/2	4,407.64	1/2		1/2		1/2		1/2	
3/4	3,399.57	3/4	3,609.31	3/4	3,819.08	3/4	4,028.44	3/4	4,237.28	3/4	4,409.35	3/4		3/4		3/4		3/4	
2	3,403.92	2	3,613.68	2	3,823.45	2	4,032.79	2	4,241.64	2	4,411.05	2		2		2		2	
1/4	3,408.29	1/4	3,618.06	1/4	3,827.82	1/4	4,037.14	1/4	4,245.99	1/4	4,412.13	1/4		1/4		1/4		1/4	
1/2	3,412.66	1/2	3,622.43	1/2	3,832.19	1/2	4,041.49	1/2	4,250.34	1/2	4,413.21	1/2		1/2		1/2		1/2	
3/4	3,417.03	3/4	3,626.80	3/4	3,836.56	3/4	4,045.84	3/4	4,254.69	3/4	4,414.28	3/4		3/4		3/4		3/4	
3	3,421.40	3	3,631.17	3	3,840.93	3	4,050.19	3	4,259.04	3	4,415.36	3		3		3		3	
1/4	3,425.77	1/4	3,635.54	1/4	3,845.30	1/4	4,054.54	1/4	4,263.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,430.14	1/2	3,639.91	1/2	3,849.67	1/2	4,058.89	1/2	4,267.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,434.51	3/4	3,644.28	3/4	3,854.04	3/4	4,063.24	3/4	4,272.09	3/4		3/4		3/4		3/4		3/4	
4	3,438.88	4	3,648.65	4	3,858.41	4	4,067.60	4	4,276.44	4		4		4		4		4	
1/4	3,443.25	1/4	3,653.02	1/4	3,862.78	1/4	4,071.95	1/4	4,280.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,447.62	1/2	3,657.39	1/2	3,867.15	1/2	4,076.30	1/2	4,285.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,451.99	3/4	3,661.76	3/4	3,871.52	3/4	4,080.65	3/4	4,289.46	3/4		3/4		3/4		3/4		3/4	
5	3,456.36	5	3,666.13	5	3,875.89	5	4,085.00	5	4,293.79	5		5		5		5		5	
1/4	3,460.73	1/4	3,670.50	1/4	3,880.26	1/4	4,089.35	1/4	4,298.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,465.10	1/2	3,674.87	1/2	3,884.63	1/2	4,093.70	1/2	4,302.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,469.47	3/4	3,679.24	3/4	3,889.00	3/4	4,098.05	3/4	4,306.76	3/4		3/4		3/4		3/4		3/4	
6	3,473.84	6	3,683.61	6	3,893.37	6	4,102.40	6	4,311.09	6		6		6		6		6	
1/4	3,478.21	1/4	3,687.98	1/4	3,897.74	1/4	4,106.75	1/4	4,315.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,482.58	1/2	3,692.35	1/2	3,902.11	1/2	4,111.11	1/2	4,319.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,486.95	3/4	3,696.72	3/4	3,906.48	3/4	4,115.46	3/4	4,324.05	3/4		3/4		3/4		3/4		3/4	
7	3,491.32	7	3,701.09	7	3,910.85	7	4,119.81	7	4,328.37	7		7		7		7		7	
1/4	3,495.69	1/4	3,705.46	1/4	3,915.22	1/4	4,124.16	1/4	4,332.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,500.06	1/2	3,709.83	1/2	3,919.59	1/2	4,128.51	1/2	4,337.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,504.43	3/4	3,714.20	3/4	3,923.96	3/4	4,132.86	3/4	4,341.32	3/4		3/4		3/4		3/4		3/4	
8	3,508.80	8	3,718.57	8	3,928.33	8	4,137.21	8	4,345.63	8		8		8		8		8	
1/4	3,513.17	1/4	3,722.94	1/4	3,932.69	1/4	4,141.56	1/4	4,349.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,517.54	1/2	3,727.31	1/2	3,937.05	1/2	4,145.91	1/2	4,354.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,521.91	3/4	3,731.68	3/4	3,941.41	3/4	4,150.26	3/4	4,358.48	3/4		3/4		3/4		3/4		3/4	
9	3,526.28	9	3,736.05	9	3,945.77	9	4,154.62	9	4,362.76	9		9		9		9		9	
1/4	3,530.65	1/4	3,740.42	1/4	3,950.12	1/4	4,158.97	1/4	4,366.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,535.02	1/2	3,744.79	1/2	3,954.47	1/2	4,163.32	1/2	4,370.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,539.39	3/4	3,749.16	3/4	3,958.82	3/4	4,167.67	3/4	4,374.29	3/4		3/4		3/4		3/4		3/4	
10	3,543.76	10	3,753.53	10	3,963.17	10	4,172.02	10	4,378.14	10		10		10		10		10	
1/4	3,548.13	1/4	3,757.90	1/4	3,967.52	1/4	4,176.37	1/4	4,380.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,552.50	1/2	3,762.27	1/2	3,971.87	1/2	4,180.72	1/2	4,383.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,556.87	3/4	3,766.64	3/4	3,976.22	3/4	4,185.07	3/4	4,386.65	3/4		3/4		3/4		3/4		3/4	
11	3,561.24	11	3,771.01	11	3,980.58	11	4,189.42	11	4,389.49	11		11		11		11		11	
1/4	3,565.61	1/4	3,775.38	1/4	3,984.93	1/4	4,193.77	1/4	4,391.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,569.98	1/2	3,779.75	1/2	3,989.28	1/2	4,198.13	1/2	4,393.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,574.35	3/4	3,784.12	3/4	3,993.63	3/4	4,202.48	3/4	4,395.42	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/05/2020 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2020