

BARKUS



### BARGE "HFL 100" INNAGE TRIM TABLE

	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 CENTER	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-1/8	00-1/8	-00-1/8	00-1/8
2 CENTER	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/4	00-1/4	-00-3/8	00-3/8	-00-3/8	00-3/8	-00-1/2	00-1/2
3 CENTER	-00-1/8	00-1/8	-00-1/4	00-1/4	-00-1/4	00-1/4	-00-3/8	00-3/8	-00-1/2	00-1/2	-00-5/8	00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 176'-09"

August 19, 2019

PRECISION MEASUREMENT  
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# BARGE "HFL 100"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-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	0.63	0	269.45	0	577.57	0	881.54	0	1,187.11	0	1,495.01	0	1,802.50	0	2,110.55	0	2,418.55	0	2,726.51
1/4	1.70	1/4	275.86	1/4	583.99	1/4	887.79	1/4	1,193.52	1/4	1,501.42	1/4	1,808.91	1/4	2,116.97	1/4	2,424.96	1/4	2,732.93
1/2	2.77	1/2	282.28	1/2	590.41	1/2	894.03	1/2	1,199.94	1/2	1,507.82	1/2	1,815.33	1/2	2,123.39	1/2	2,431.37	1/2	2,739.34
3/4	3.85	3/4	288.70	3/4	596.83	3/4	900.28	3/4	1,206.35	3/4	1,514.22	3/4	1,821.75	3/4	2,129.80	3/4	2,437.79	3/4	2,745.76
1	4.92	1	295.12	1	603.25	1	906.53	1	1,212.77	1	1,520.63	1	1,828.17	1	2,136.22	1	2,444.20	1	2,752.18
1 1/4	8.13	1 1/4	301.54	1 1/4	609.67	1 1/4	912.77	1 1/4	1,219.18	1 1/4	1,527.03	1 1/4	1,834.59	1 1/4	2,142.64	1 1/4	2,450.61	1 1/4	2,758.60
1 1/2	11.35	1 1/2	307.96	1 1/2	616.09	1 1/2	919.02	1 1/2	1,225.60	1 1/2	1,533.43	1 1/2	1,841.00	1 1/2	2,149.06	1 1/2	2,457.03	1 1/2	2,765.02
3/4	14.56	3/4	314.38	3/4	622.51	3/4	925.27	3/4	1,232.01	3/4	1,539.84	3/4	1,847.42	3/4	2,155.48	3/4	2,463.44	3/4	2,771.43
2	17.78	2	320.80	2	628.93	2	931.51	2	1,238.43	2	1,546.24	2	1,853.84	2	2,161.89	2	2,469.85	2	2,777.85
1 1/4	23.13	1 1/4	327.22	1 1/4	635.35	1 1/4	937.80	1 1/4	1,244.84	1 1/4	1,552.65	1 1/4	1,860.26	1 1/4	2,168.31	1 1/4	2,476.27	1 1/4	2,784.27
1 1/2	28.48	1 1/2	333.64	1 1/2	641.77	1 1/2	944.09	1 1/2	1,251.26	1 1/2	1,559.05	1 1/2	1,866.67	1 1/2	2,174.73	1 1/2	2,482.58	1 1/2	2,790.69
3/4	33.83	3/4	340.06	3/4	648.19	3/4	950.38	3/4	1,257.67	3/4	1,565.45	3/4	1,873.09	3/4	2,181.15	3/4	2,489.09	3/4	2,797.10
3	39.18	3	346.48	3	654.60	3	956.67	3	1,264.08	3	1,571.86	3	1,879.51	3	2,187.56	3	2,495.51	3	2,803.52
1 1/4	45.48	1 1/4	352.90	1 1/4	661.02	1 1/4	962.97	1 1/4	1,270.50	1 1/4	1,578.26	1 1/4	1,885.93	1 1/4	2,193.98	1 1/4	2,501.92	1 1/4	2,809.94
1 1/2	51.78	1 1/2	359.32	1 1/2	667.44	1 1/2	969.26	1 1/2	1,276.91	1 1/2	1,584.66	1 1/2	1,892.35	1 1/2	2,200.40	1 1/2	2,508.33	1 1/2	2,816.36
3/4	58.07	3/4	365.74	3/4	673.86	3/4	975.55	3/4	1,283.33	3/4	1,591.07	3/4	1,898.76	3/4	2,206.82	3/4	2,514.75	3/4	2,822.78
4	64.37	4	372.16	4	680.28	4	981.84	4	1,289.74	4	1,597.47	4	1,905.16	4	2,213.24	4	2,521.16	4	2,829.19
1 1/4	70.73	1 1/4	378.57	1 1/4	686.70	1 1/4	988.25	1 1/4	1,296.16	1 1/4	1,603.87	1 1/4	1,911.60	1 1/4	2,219.65	1 1/4	2,527.57	1 1/4	2,835.61
1 1/2	77.08	1 1/2	384.99	1 1/2	693.12	1 1/2	994.67	1 1/2	1,302.57	1 1/2	1,610.28	1 1/2	1,918.02	1 1/2	2,226.07	1 1/2	2,533.98	1 1/2	2,842.03
3/4	83.44	3/4	391.41	3/4	699.54	3/4	1,001.08	3/4	1,308.99	3/4	1,616.68	3/4	1,924.43	3/4	2,232.49	3/4	2,540.40	3/4	2,848.45
5	89.80	5	397.83	5	705.96	5	1,007.50	5	1,315.40	5	1,623.08	5	1,930.85	5	2,238.91	5	2,546.81	5	2,854.87
1 1/4	96.19	1 1/4	404.25	1 1/4	712.38	1 1/4	1,013.91	1 1/4	1,321.82	1 1/4	1,629.49	1 1/4	1,937.27	1 1/4	2,245.32	1 1/4	2,553.23	1 1/4	2,861.28
1 1/2	102.58	1 1/2	410.67	1 1/2	718.80	1 1/2	1,020.33	1 1/2	1,328.23	1 1/2	1,635.89	1 1/2	1,943.69	1 1/2	2,251.74	1 1/2	2,559.65	1 1/2	2,867.70
3/4	108.97	3/4	417.09	3/4	725.22	3/4	1,026.74	3/4	1,334.65	3/4	1,642.29	3/4	1,950.11	3/4	2,258.16	3/4	2,566.06	3/4	2,874.12
6	115.36	6	423.51	6	731.64	6	1,033.16	6	1,341.06	6	1,648.70	6	1,956.52	6	2,264.58	6	2,572.48	6	2,880.54
1 1/4	121.77	1 1/4	429.93	1 1/4	737.88	1 1/4	1,039.57	1 1/4	1,347.48	1 1/4	1,655.10	1 1/4	1,962.94	1 1/4	2,271.00	1 1/4	2,578.90	1 1/4	2,886.95
1 1/2	128.18	1 1/2	436.35	1 1/2	744.13	1 1/2	1,045.98	1 1/2	1,353.89	1 1/2	1,661.50	1 1/2	1,969.36	1 1/2	2,277.41	1 1/2	2,585.32	1 1/2	2,893.37
3/4	134.59	3/4	442.77	3/4	750.37	3/4	1,052.40	3/4	1,360.31	3/4	1,667.91	3/4	1,975.78	3/4	2,283.83	3/4	2,591.74	3/4	2,899.79
7	141.00	7	449.19	7	756.62	7	1,058.81	7	1,366.72	7	1,674.31	7	1,982.19	7	2,290.25	7	2,598.15	7	2,906.21
1 1/4	147.42	1 1/4	455.61	1 1/4	762.87	1 1/4	1,065.23	1 1/4	1,373.13	1 1/4	1,680.72	1 1/4	1,988.61	1 1/4	2,296.67	1 1/4	2,604.57	1 1/4	2,912.63
1 1/2	153.84	1 1/2	462.03	1 1/2	769.11	1 1/2	1,071.64	1 1/2	1,379.55	1 1/2	1,687.12	1 1/2	1,995.03	1 1/2	2,303.08	1 1/2	2,610.99	1 1/2	2,919.04
3/4	160.26	3/4	468.44	3/4	775.36	3/4	1,078.06	3/4	1,385.96	3/4	1,693.52	3/4	2,001.45	3/4	2,309.50	3/4	2,617.41	3/4	2,925.46
8	166.68	8	474.86	8	781.61	8	1,084.47	8	1,392.38	8	1,699.93	8	2,007.87	8	2,315.92	8	2,623.82	8	2,931.88
1 1/4	173.10	1 1/4	481.28	1 1/4	787.85	1 1/4	1,090.89	1 1/4	1,398.79	1 1/4	1,706.33	1 1/4	2,014.28	1 1/4	2,322.34	1 1/4	2,630.24	1 1/4	2,938.30
1 1/2	179.52	1 1/2	487.70	1 1/2	794.10	1 1/2	1,097.30	1 1/2	1,405.21	1 1/2	1,712.73	1 1/2	2,020.70	1 1/2	2,328.76	1 1/2	2,636.66	1 1/2	2,944.71
3/4	185.94	3/4	494.12	3/4	800.34	3/4	1,103.72	3/4	1,411.62	3/4	1,719.14	3/4	2,027.12	3/4	2,335.17	3/4	2,643.08	3/4	2,951.13
9	192.36	9	500.54	9	806.59	9	1,110.13	9	1,418.04	9	1,725.54	9	2,033.54	9	2,341.59	9	2,649.50	9	2,957.55
1 1/4	198.79	1 1/4	506.96	1 1/4	812.84	1 1/4	1,116.55	1 1/4	1,424.45	1 1/4	1,731.94	1 1/4	2,039.95	1 1/4	2,348.00	1 1/4	2,655.91	1 1/4	2,963.97
1 1/2	205.22	1 1/2	513.38	1 1/2	819.08	1 1/2	1,122.96	1 1/2	1,430.87	1 1/2	1,738.35	1 1/2	2,046.37	1 1/2	2,354.42	1 1/2	2,662.33	1 1/2	2,968.83
3/4	211.64	3/4	519.80	3/4	825.33	3/4	1,129.38	3/4	1,437.28	3/4	1,744.76	3/4	2,052.79	3/4	2,360.83	3/4	2,668.75	3/4	2,969.97
10	218.07	10	526.22	10	831.57	10	1,135.79	10	1,443.70	10	1,751.15	10	2,059.21	10	2,367.24	10	2,675.17	10	2,974.11
1 1/4	224.49	1 1/4	532.64	1 1/4	837.82	1 1/4	1,142.21	1 1/4	1,450.11	1 1/4	1,757.57	1 1/4	2,065.63	1 1/4	2,373.66	1 1/4	2,681.58	1 1/4	2,978.24
1 1/2	230.92	1 1/2	539.06	1 1/2	844.07	1 1/2	1,148.62	1 1/2	1,456.53	1 1/2	1,763.99	1 1/2	2,072.04	1 1/2	2,380.07	1 1/2	2,688.00	1 1/2	2,982.38
3/4	237.34	3/4	545.48	3/4	850.31	3/4	1,155.03	3/4	1,462.94	3/4	1,770.41	3/4	2,078.46	3/4	2,386.48	3/4	2,694.42	3/4	2,986.52
11	243.77	11	551.90	11	856.56	11	1,161.45	11	1,469.36	11	1,776.83	11	2,084.88	11	2,392.90	11	2,700.84	11	2,990.66
1 1/4	250.19	1 1/4	558.32	1 1/4	862.80	1 1/4	1,167.86	1 1/4	1,475.77	1 1/4	1,783.24	1 1/4	2,091.30	1 1/4	2,399.31	1 1/4	2,707.26	1 1/4	2,994.81
1 1/2	256.61	1 1/2	564.73	1 1/2	869.05	1 1/2	1,174.28	1 1/2	1,482.18	1 1/2	1,789.66	1 1/2	2,097.72	1 1/2	2,405.72	1 1/2	2,713.67	1 1/2	2,998.96
3/4	263.03	3/4	571.15	3/4	875.30	3/4	1,180.69	3/4	1,488.60	3/4	1,796.08	3/4	2,104.13	3/4	2,412.14	3/4	2,720.09	3/4	3,003.11

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE  
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "HFL 100"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,007.26	0	3,206.86	0	3,405.87	0	3,605.17	0	3,804.33	0		0		0		0		0	
1/4	3,011.42	1/4	3,210.72	1/4	3,410.02	1/4	3,609.32	1/4	3,808.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,015.57	1/2	3,214.87	1/2	3,414.17	1/2	3,613.47	1/2	3,812.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,019.72	3/4	3,219.02	3/4	3,418.32	3/4	3,617.62	3/4	3,815.88	3/4		3/4		3/4		3/4		3/4	
1	3,023.87	1	3,223.17	1	3,422.47	1	3,621.77	1	3,819.73	1	1			1		1		1	
1/4	3,028.02	1/4	3,227.32	1/4	3,426.63	1/4	3,625.93	1/4	3,821.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,032.18	1/2	3,231.48	1/2	3,430.78	1/2	3,630.08	1/2	3,823.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,036.33	3/4	3,235.63	3/4	3,434.93	3/4	3,634.23	3/4	3,825.75	3/4		3/4		3/4		3/4		3/4	
2	3,040.48	2	3,239.78	2	3,439.08	2	3,638.38	2	3,827.78	2	2			2		2		2	
1/4	3,044.63	1/4	3,243.93	1/4	3,443.23	1/4	3,642.53	1/4	3,829.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,048.78	1/2	3,248.09	1/2	3,447.39	1/2	3,646.69	1/2	3,832.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,052.94	3/4	3,252.24	3/4	3,451.54	3/4	3,650.84	3/4	3,834.19	3/4		3/4		3/4		3/4		3/4	
3	3,057.09	3	3,256.39	3	3,455.69	3	3,654.99	3	3,836.34	3	3			3		3		3	
1/4	3,061.24	1/4	3,260.54	1/4	3,459.84	1/4	3,659.14	1/4	3,836.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,065.39	1/2	3,264.69	1/2	3,463.99	1/2	3,663.30	1/2	3,837.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,069.54	3/4	3,268.85	3/4	3,468.15	3/4	3,667.45	3/4		3/4			3/4		3/4		3/4		3/4
4	3,073.70	4	3,273.00	4	3,472.30	4	3,671.60	4		4			4		4		4		4
1/4	3,077.85	1/4	3,277.15	1/4	3,476.45	1/4	3,675.75	1/4		1/4			1/4		1/4		1/4		1/4
1/2	3,082.00	1/2	3,281.30	1/2	3,480.60	1/2	3,679.90	1/2		1/2			1/2		1/2		1/2		1/2
3/4	3,086.15	3/4	3,285.45	3/4	3,484.75	3/4	3,684.06	3/4		3/4			3/4		3/4		3/4		3/4
5	3,090.31	5	3,289.61	5	3,488.91	5	3,688.21	5		5			5		5		5		5
1/4	3,094.46	1/4	3,293.76	1/4	3,493.06	1/4	3,692.36	1/4		1/4			1/4		1/4		1/4		1/4
1/2	3,098.61	1/2	3,297.91	1/2	3,497.21	1/2	3,696.51	1/2		1/2			1/2		1/2		1/2		1/2
3/4	3,102.76	3/4	3,302.06	3/4	3,501.36	3/4	3,700.66	3/4		3/4			3/4		3/4		3/4		3/4
6	3,106.91	6	3,306.21	6	3,505.52	6	3,704.82	6		6			6		6		6		6
1/4	3,111.07	1/4	3,310.37	1/4	3,509.67	1/4	3,708.97	1/4		1/4			1/4		1/4		1/4		1/4
1/2	3,115.22	1/2	3,314.52	1/2	3,513.82	1/2	3,713.12	1/2		1/2			1/2		1/2		1/2		1/2
3/4	3,119.37	3/4	3,318.67	3/4	3,517.97	3/4	3,717.27	3/4		3/4			3/4		3/4		3/4		3/4
7	3,123.52	7	3,322.82	7	3,522.12	7	3,721.42	7		7			7		7		7		7
1/4	3,127.67	1/4	3,326.98	1/4	3,526.28	1/4	3,725.58	1/4		1/4			1/4		1/4		1/4		1/4
1/2	3,131.83	1/2	3,331.13	1/2	3,530.43	1/2	3,729.73	1/2		1/2			1/2		1/2		1/2		1/2
3/4	3,135.98	3/4	3,335.28	3/4	3,534.58	3/4	3,733.88	3/4		3/4			3/4		3/4		3/4		3/4
8	3,140.13	8	3,339.43	8	3,538.73	8	3,738.03	8		8			8		8		8		8
1/4	3,144.28	1/4	3,343.58	1/4	3,542.88	1/4	3,742.19	1/4		1/4			1/4		1/4		1/4		1/4
1/2	3,148.43	1/2	3,347.74	1/2	3,547.04	1/2	3,746.34	1/2		1/2			1/2		1/2		1/2		1/2
3/4	3,152.59	3/4	3,351.89	3/4	3,551.19	3/4	3,750.49	3/4		3/4			3/4		3/4		3/4		3/4
9	3,156.74	9	3,356.04	9	3,555.34	9	3,754.64	9		9			9		9		9		9
1/4	3,160.89	1/4	3,360.19	1/4	3,559.49	1/4	3,758.79	1/4		1/4			1/4		1/4		1/4		1/4
1/2	3,165.04	1/2	3,364.34	1/2	3,563.64	1/2	3,762.95	1/2		1/2			1/2		1/2		1/2		1/2
3/4	3,169.20	3/4	3,368.50	3/4	3,567.80	3/4	3,767.10	3/4		3/4			3/4		3/4		3/4		3/4
10	3,173.35	10	3,372.65	10	3,571.95	10	3,771.25	10		10			10		10		10		10
1/4	3,177.50	1/4	3,376.80	1/4	3,576.10	1/4	3,775.40	1/4		1/4			1/4		1/4		1/4		1/4
1/2	3,181.65	1/2	3,380.95	1/2	3,580.25	1/2	3,779.54	1/2		1/2			1/2		1/2		1/2		1/2
3/4	3,185.80	3/4	3,385.10	3/4	3,584.41	3/4	3,783.69	3/4		3/4			3/4		3/4		3/4		3/4
11	3,189.98	11	3,389.26	11	3,588.56	11	3,787.84	11		11			11		11		11		11
1/4	3,194.11	1/4	3,393.41	1/4	3,592.71	1/4	3,791.98	1/4		1/4			1/4		1/4		1/4		1/4
1/2	3,198.26	1/2	3,397.56	1/2	3,596.86	1/2	3,796.09	1/2		1/2			1/2		1/2		1/2		1/2
3/4	3,202.41	3/4	3,401.71	3/4	3,601.01	3/4	3,800.21	3/4		3/4			3/4		3/4		3/4		3/4

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CANCELS AND SUPERCEDES  
 ALL PRIOR TO 08/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "HFL 100"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 1/2"

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	0.63	0	258.19	0	553.80	0	848.38	0	1,138.32	0	1,433.94	0	1,729.56	0	2,025.19	0	2,320.81	0	2,616.43
1/4	1.65	1/4	264.35	1/4	559.96	1/4	851.37	1/4	1,144.48	1/4	1,440.10	1/4	1,735.72	1/4	2,031.34	1/4	2,326.97	1/4	2,622.59
1/2	2.68	1/2	270.51	1/2	566.12	1/2	857.36	1/2	1,150.84	1/2	1,446.26	1/2	1,741.88	1/2	2,037.50	1/2	2,333.13	1/2	2,628.75
3/4	3.71	3/4	276.67	3/4	572.28	3/4	863.35	3/4	1,156.79	3/4	1,452.42	3/4	1,748.04	3/4	2,043.66	3/4	2,339.28	3/4	2,634.91
1	4.73	1	282.83	1	578.44	1	869.34	1	1,162.95	1	1,458.58	1	1,754.20	1	2,049.82	1	2,345.44	1	2,641.07
1 1/4	7.81	1 1/4	288.98	1 1/4	584.60	1 1/4	875.33	1 1/4	1,169.11	1 1/4	1,464.73	1 1/4	1,760.36	1 1/4	2,055.98	1 1/4	2,351.60	1 1/4	2,647.22
1 1/2	10.89	1 1/2	295.14	1 1/2	590.76	1 1/2	881.32	1 1/2	1,175.27	1 1/2	1,470.89	1 1/2	1,766.52	1 1/2	2,062.14	1 1/2	2,357.76	1 1/2	2,653.38
3/4	13.97	3/4	301.30	3/4	596.91	3/4	887.31	3/4	1,181.43	3/4	1,477.05	3/4	1,772.67	3/4	2,068.30	3/4	2,363.92	3/4	2,659.54
2	17.05	2	307.46	2	603.07	2	893.30	2	1,187.59	2	1,483.21	2	1,778.83	2	2,074.46	2	2,370.08	2	2,665.70
1 1/4	22.17	1 1/4	313.62	1 1/4	609.23	1 1/4	899.29	1 1/4	1,193.75	1 1/4	1,489.37	1 1/4	1,784.99	1 1/4	2,080.61	1 1/4	2,376.24	1 1/4	2,671.86
1 1/2	27.29	1 1/2	319.78	1 1/2	615.39	1 1/2	905.28	1 1/2	1,199.91	1 1/2	1,495.53	1 1/2	1,791.15	1 1/2	2,086.77	1 1/2	2,382.40	1 1/2	2,678.02
3/4	32.42	3/4	325.94	3/4	621.55	3/4	911.28	3/4	1,206.06	3/4	1,501.69	3/4	1,797.31	3/4	2,092.93	3/4	2,388.55	3/4	2,684.18
3	37.54	3	332.09	3	627.71	3	917.27	3	1,212.22	3	1,507.85	3	1,803.47	3	2,099.09	3	2,394.71	3	2,690.34
1 1/4	43.57	1 1/4	338.25	1 1/4	633.87	1 1/4	923.26	1 1/4	1,218.38	1 1/4	1,514.00	1 1/4	1,809.63	1 1/4	2,105.25	1 1/4	2,400.87	1 1/4	2,696.49
1 1/2	49.60	1 1/2	344.41	1 1/2	640.02	1 1/2	929.25	1 1/2	1,224.54	1 1/2	1,520.16	1 1/2	1,815.79	1 1/2	2,111.41	1 1/2	2,407.03	1 1/2	2,702.65
3/4	55.63	3/4	350.57	3/4	646.18	3/4	935.24	3/4	1,230.70	3/4	1,526.32	3/4	1,821.94	3/4	2,117.67	3/4	2,413.19	3/4	2,708.81
4	61.67	4	356.73	4	652.34	4	941.24	4	1,236.86	4	1,532.48	4	1,828.10	4	2,123.73	4	2,419.36	4	2,714.97
1 1/4	67.75	1 1/4	362.89	1 1/4	658.50	1 1/4	947.40	1 1/4	1,243.02	1 1/4	1,538.64	1 1/4	1,834.26	1 1/4	2,129.88	1 1/4	2,425.51	1 1/4	2,721.13
1 1/2	73.84	1 1/2	369.05	1 1/2	664.66	1 1/2	953.55	1 1/2	1,249.18	1 1/2	1,544.80	1 1/2	1,840.42	1 1/2	2,136.04	1 1/2	2,431.67	1 1/2	2,727.29
3/4	79.93	3/4	375.20	3/4	670.82	3/4	959.71	3/4	1,255.34	3/4	1,550.96	3/4	1,846.58	3/4	2,142.20	3/4	2,437.82	3/4	2,733.45
5	86.01	5	381.36	5	676.98	5	965.87	5	1,261.49	5	1,557.12	5	1,852.74	5	2,148.36	5	2,443.98	5	2,739.61
1 1/4	92.13	1 1/4	387.52	1 1/4	683.13	1 1/4	972.03	1 1/4	1,267.65	1 1/4	1,563.28	1 1/4	1,858.90	1 1/4	2,154.52	1 1/4	2,450.14	1 1/4	2,745.76
1 1/2	98.25	1 1/2	393.68	1 1/2	689.29	1 1/2	978.19	1 1/2	1,273.81	1 1/2	1,569.43	1 1/2	1,865.06	1 1/2	2,160.68	1 1/2	2,456.30	1 1/2	2,751.92
3/4	104.37	3/4	399.84	3/4	695.45	3/4	984.35	3/4	1,279.97	3/4	1,575.59	3/4	1,871.22	3/4	2,166.84	3/4	2,462.46	3/4	2,758.08
6	110.49	6	406.00	6	701.61	6	990.51	6	1,286.13	6	1,581.75	6	1,877.37	6	2,173.00	6	2,468.62	6	2,764.24
1 1/4	116.63	1 1/4	412.16	1 1/4	707.60	1 1/4	996.67	1 1/4	1,292.29	1 1/4	1,587.91	1 1/4	1,883.53	1 1/4	2,179.16	1 1/4	2,474.78	1 1/4	2,770.40
1 1/2	122.77	1 1/2	418.32	1 1/2	713.59	1 1/2	1,002.82	1 1/2	1,298.45	1 1/2	1,594.07	1 1/2	1,889.69	1 1/2	2,185.31	1 1/2	2,480.94	1 1/2	2,776.56
3/4	128.91	3/4	424.47	3/4	719.58	3/4	1,008.98	3/4	1,304.61	3/4	1,600.23	3/4	1,895.85	3/4	2,191.47	3/4	2,487.10	3/4	2,782.72
7	135.05	7	430.63	7	725.57	7	1,015.14	7	1,310.76	7	1,606.39	7	1,902.01	7	2,197.63	7	2,493.25	7	2,788.88
1 1/4	141.20	1 1/4	436.79	1 1/4	731.56	1 1/4	1,021.30	1 1/4	1,316.92	1 1/4	1,612.55	1 1/4	1,908.17	1 1/4	2,203.79	1 1/4	2,499.41	1 1/4	2,795.04
1 1/2	147.36	1 1/2	442.95	1 1/2	737.55	1 1/2	1,027.46	1 1/2	1,323.08	1 1/2	1,618.70	1 1/2	1,914.33	1 1/2	2,209.95	1 1/2	2,505.57	1 1/2	2,801.19
3/4	153.51	3/4	449.11	3/4	743.54	3/4	1,033.62	3/4	1,329.24	3/4	1,624.86	3/4	1,920.49	3/4	2,216.11	3/4	2,511.73	3/4	2,807.35
8	159.66	8	455.27	8	749.53	8	1,039.78	8	1,335.40	8	1,631.02	8	1,926.64	8	2,222.27	8	2,517.89	8	2,813.51
1 1/4	165.82	1 1/4	461.43	1 1/4	755.52	1 1/4	1,046.94	1 1/4	1,341.56	1 1/4	1,637.18	1 1/4	1,932.80	1 1/4	2,228.43	1 1/4	2,524.05	1 1/4	2,819.67
1 1/2	171.97	1 1/2	467.58	1 1/2	761.51	1 1/2	1,052.09	1 1/2	1,347.72	1 1/2	1,643.34	1 1/2	1,938.96	1 1/2	2,234.58	1 1/2	2,530.21	1 1/2	2,825.83
3/4	178.13	3/4	473.74	3/4	767.50	3/4	1,058.25	3/4	1,353.88	3/4	1,649.50	3/4	1,945.12	3/4	2,240.74	3/4	2,536.37	3/4	2,831.99
9	184.29	9	479.90	9	773.49	9	1,064.41	9	1,360.03	9	1,655.68	9	1,951.28	9	2,246.90	9	2,542.52	9	2,838.15
1 1/4	190.45	1 1/4	486.06	1 1/4	779.48	1 1/4	1,070.57	1 1/4	1,366.19	1 1/4	1,661.82	1 1/4	1,957.44	1 1/4	2,253.06	1 1/4	2,548.68	1 1/4	2,844.31
1 1/2	196.61	1 1/2	492.22	1 1/2	785.47	1 1/2	1,076.73	1 1/2	1,372.35	1 1/2	1,667.97	1 1/2	1,963.60	1 1/2	2,259.22	1 1/2	2,554.84	1 1/2	2,850.46
3/4	202.76	3/4	498.38	3/4	791.47	3/4	1,082.89	3/4	1,378.51	3/4	1,674.13	3/4	1,969.76	3/4	2,265.38	3/4	2,561.00	3/4	2,856.62
10	208.92	10	504.54	10	797.46	10	1,089.05	10	1,384.67	10	1,680.29	10	1,975.91	10	2,271.54	10	2,567.16	10	2,862.78
1 1/4	215.08	1 1/4	510.69	1 1/4	803.45	1 1/4	1,095.21	1 1/4	1,390.83	1 1/4	1,686.45	1 1/4	1,982.07	1 1/4	2,277.70	1 1/4	2,573.32	1 1/4	2,868.94
1 1/2	221.24	1 1/2	516.85	1 1/2	809.44	1 1/2	1,101.37	1 1/2	1,396.99	1 1/2	1,692.61	1 1/2	1,988.23	1 1/2	2,283.85	1 1/2	2,579.48	1 1/2	2,875.10
3/4	227.40	3/4	523.01	3/4	815.43	3/4	1,107.52	3/4	1,403.15	3/4	1,698.77	3/4	1,994.39	3/4	2,290.01	3/4	2,585.64	3/4	2,881.26
11	233.56	11	529.17	11	821.42	11	1,113.68	11	1,409.31	11	1,704.93	11	2,000.55	11	2,296.17	11	2,591.79	11	2,887.42
1 1/4	239.72	1 1/4	535.33	1 1/4	827.41	1 1/4	1,119.84	1 1/4	1,415.46	1 1/4	1,711.09	1 1/4	2,006.71	1 1/4	2,302.33	1 1/4	2,597.95	1 1/4	2,893.58
1 1/2	245.87	1 1/2	541.49	1 1/2	833.40	1 1/2	1,126.00	1 1/2	1,421.62	1 1/2	1,717.25	1 1/2	2,012.87	1 1/2	2,308.49	1 1/2	2,604.11	1 1/2	2,899.73
3/4	252.03	3/4	547.65	3/4	839.39	3/4	1,132.16	3/4	1,427.78	3/4	1,723.40	3/4	2,019.03	3/4	2,314.65	3/4	2,610.27	3/4	2,905.89

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NFPA CHAPTER 27  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE  
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "HFL 100"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 1/2"

	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN
0	2,912.05	0	3,207.67	0	3,503.30	0	3,798.92	0	4,094.40	0		0		0		0		0		0
1/4	2,918.21	1/4	3,213.83	1/4	3,509.46	1/4	3,805.08	1/4	4,100.27	1/4				1/4		1/4		1/4		1/4
1/2	2,924.37	1/2	3,219.99	1/2	3,515.61	1/2	3,811.24	1/2	4,106.14	1/2				1/2		1/2		1/2		1/2
3/4	2,930.53	3/4	3,226.15	3/4	3,521.77	3/4	3,817.40	3/4	4,112.01	3/4				3/4		3/4		3/4		3/4
1	2,936.69	1	3,232.31	1	3,527.93	1	3,823.55	1	4,117.87	1				1		1		1		1
1/4	2,942.85	1/4	3,238.47	1/4	3,534.09	1/4	3,829.71	1/4	4,121.98	1/4				1/4		1/4		1/4		1/4
1/2	2,949.01	1/2	3,244.63	1/2	3,540.25	1/2	3,835.87	1/2	4,126.09	1/2				1/2		1/2		1/2		1/2
3/4	2,955.16	3/4	3,250.79	3/4	3,546.41	3/4	3,842.03	3/4	4,130.19	3/4				3/4		3/4		3/4		3/4
2	2,961.32	2	3,256.95	2	3,552.57	2	3,848.19	2	4,134.30	2				2		2		2		2
1/4	2,967.48	1/4	3,263.10	1/4	3,558.73	1/4	3,854.35	1/4	4,138.35	1/4				1/4		1/4		1/4		1/4
1/2	2,973.64	1/2	3,269.26	1/2	3,564.89	1/2	3,860.51	1/2	4,138.40	1/2				1/2		1/2		1/2		1/2
3/4	2,979.80	3/4	3,275.42	3/4	3,571.04	3/4	3,866.67	3/4	4,140.46	3/4				3/4		3/4		3/4		3/4
3	2,985.96	3	3,281.58	3	3,577.20	3	3,872.83	3	4,142.51	3				3		3		3		3
1/4	2,992.12	1/4	3,287.74	1/4	3,583.36	1/4	3,878.98	1/4	4,143.02	1/4				1/4		1/4		1/4		1/4
1/2	2,998.28	1/2	3,293.90	1/2	3,589.52	1/2	3,885.14	1/2	4,143.54	1/2				1/2		1/2		1/2		1/2
3/4	3,004.43	3/4	3,300.06	3/4	3,595.68	3/4	3,891.30	3/4		3/4				3/4		3/4		3/4		3/4
4	3,010.59	4	3,306.22	4	3,601.84	4	3,897.46	4		4				4		4		4		4
1/4	3,016.75	1/4	3,312.37	1/4	3,608.00	1/4	3,903.62	1/4		1/4				1/4		1/4		1/4		1/4
1/2	3,022.91	1/2	3,318.53	1/2	3,614.16	1/2	3,909.78	1/2		1/2				1/2		1/2		1/2		1/2
3/4	3,029.07	3/4	3,324.69	3/4	3,620.31	3/4	3,915.94	3/4		3/4				3/4		3/4		3/4		3/4
5	3,035.23	5	3,330.85	5	3,626.47	5	3,922.10	5		5				5		5		5		5
1/4	3,041.39	1/4	3,337.01	1/4	3,632.63	1/4	3,928.25	1/4		1/4				1/4		1/4		1/4		1/4
1/2	3,047.55	1/2	3,343.17	1/2	3,638.79	1/2	3,934.41	1/2		1/2				1/2		1/2		1/2		1/2
3/4	3,053.70	3/4	3,349.33	3/4	3,644.95	3/4	3,940.57	3/4		3/4				3/4		3/4		3/4		3/4
6	3,059.86	6	3,355.49	6	3,651.11	6	3,946.73	6		6				6		6		6		6
1/4	3,066.02	1/4	3,361.64	1/4	3,657.27	1/4	3,952.89	1/4		1/4				1/4		1/4		1/4		1/4
1/2	3,072.18	1/2	3,367.80	1/2	3,663.43	1/2	3,959.05	1/2		1/2				1/2		1/2		1/2		1/2
3/4	3,078.34	3/4	3,373.96	3/4	3,669.58	3/4	3,965.21	3/4		3/4				3/4		3/4		3/4		3/4
7	3,084.50	7	3,380.12	7	3,675.74	7	3,971.37	7		7				7		7		7		7
1/4	3,090.66	1/4	3,386.28	1/4	3,681.90	1/4	3,977.52	1/4		1/4				1/4		1/4		1/4		1/4
1/2	3,096.82	1/2	3,392.44	1/2	3,688.06	1/2	3,983.68	1/2		1/2				1/2		1/2		1/2		1/2
3/4	3,102.98	3/4	3,398.60	3/4	3,694.22	3/4	3,989.84	3/4		3/4				3/4		3/4		3/4		3/4
8	3,109.13	8	3,404.76	8	3,700.38	8	3,996.00	8		8				8		8		8		8
1/4	3,115.29	1/4	3,410.92	1/4	3,706.54	1/4	4,002.16	1/4		1/4				1/4		1/4		1/4		1/4
1/2	3,121.45	1/2	3,417.07	1/2	3,712.70	1/2	4,008.32	1/2		1/2				1/2		1/2		1/2		1/2
3/4	3,127.61	3/4	3,423.23	3/4	3,718.86	3/4	4,014.48	3/4		3/4				3/4		3/4		3/4		3/4
9	3,133.77	9	3,429.39	9	3,725.01	9	4,020.64	9		9				9		9		9		9
1/4	3,139.93	1/4	3,435.55	1/4	3,731.17	1/4	4,026.80	1/4		1/4				1/4		1/4		1/4		1/4
1/2	3,146.09	1/2	3,441.71	1/2	3,737.33	1/2	4,032.95	1/2		1/2				1/2		1/2		1/2		1/2
3/4	3,152.25	3/4	3,447.87	3/4	3,743.49	3/4	4,039.11	3/4		3/4				3/4		3/4		3/4		3/4
10	3,158.40	10	3,454.03	10	3,749.65	10	4,045.27	10		10				10		10		10		10
1/4	3,164.56	1/4	3,460.19	1/4	3,755.81	1/4	4,051.42	1/4		1/4				1/4		1/4		1/4		1/4
1/2	3,170.72	1/2	3,466.34	1/2	3,761.97	1/2	4,057.57	1/2		1/2				1/2		1/2		1/2		1/2
3/4	3,176.88	3/4	3,472.50	3/4	3,768.13	3/4	4,063.73	3/4		3/4				3/4		3/4		3/4		3/4
11	3,183.04	11	3,478.66	11	3,774.28	11	4,069.88	11		11				11		11		11		11
1/4	3,189.20	1/4	3,484.82	1/4	3,780.44	1/4	4,076.01	1/4		1/4				1/4		1/4		1/4		1/4
1/2	3,195.36	1/2	3,490.98	1/2	3,786.60	1/2	4,082.14	1/2		1/2				1/2		1/2		1/2		1/2
3/4	3,201.52	3/4	3,497.14	3/4	3,792.76	3/4	4,088.27	3/4		3/4				3/4		3/4		3/4		3/4

RESTRAPPED: 5/03/2019 JS  
 RECALCULATED: 05/04/2019 CL  
 RERINTED: 08/19/2019 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 08/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2052  
 Pearland, Texas 77588  
 http://www.pmacorp.net



# BARGE "HFL 100"

# 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 16'-02 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.62	0	256.30	0	549.74	0	842.93	0	1,136.22	0	1,429.67	0	1,723.12	0	2,016.58	0	2,310.03	0	2,603.48
1/4	1.84	1/4	262.41	1/4	556.85	1/4	849.03	1/4	1,142.33	1/4	1,435.78	1/4	1,729.24	1/4	2,022.69	1/4	2,316.14	1/4	2,609.60
1/2	2.66	1/2	268.53	1/2	561.96	1/2	855.13	1/2	1,148.44	1/2	1,441.90	1/2	1,735.35	1/2	2,028.80	1/2	2,322.26	1/2	2,615.71
3/4	3.68	3/4	274.84	3/4	568.08	3/4	861.23	3/4	1,154.56	3/4	1,448.01	3/4	1,741.46	3/4	2,034.92	3/4	2,328.37	3/4	2,621.82
1	4.70	1	280.75	1	574.19	1	867.34	1	1,160.67	1	1,454.12	1	1,747.58	1	2,041.03	1	2,334.48	1	2,627.94
1 1/4	7.76	1 1/4	286.86	1 1/4	580.30	1 1/4	873.44	1 1/4	1,166.79	1 1/4	1,460.24	1 1/4	1,753.69	1 1/4	2,047.14	1 1/4	2,340.60	1 1/4	2,634.05
1 1/2	10.81	1 1/2	292.98	1 1/2	586.42	1 1/2	879.54	1 1/2	1,172.90	1 1/2	1,466.35	1 1/2	1,759.80	1 1/2	2,053.26	1 1/2	2,346.71	1 1/2	2,640.16
3/4	13.87	3/4	299.09	3/4	592.53	3/4	885.65	3/4	1,179.01	3/4	1,472.47	3/4	1,765.92	3/4	2,059.37	3/4	2,352.82	3/4	2,646.28
2	16.93	2	305.20	2	598.64	2	891.75	2	1,185.13	2	1,478.58	2	1,772.03	2	2,065.48	2	2,358.94	2	2,652.39
1 1/4	22.01	1 1/4	311.32	1 1/4	604.76	1 1/4	897.85	1 1/4	1,191.24	1 1/4	1,484.69	1 1/4	1,778.15	1 1/4	2,071.60	1 1/4	2,365.05	1 1/4	2,658.50
1 1/2	27.10	1 1/2	317.43	1 1/2	610.87	1 1/2	903.96	1 1/2	1,197.35	1 1/2	1,490.81	1 1/2	1,784.26	1 1/2	2,077.71	1 1/2	2,371.16	1 1/2	2,664.62
3/4	32.18	3/4	323.54	3/4	616.98	3/4	910.06	3/4	1,203.47	3/4	1,496.92	3/4	1,790.37	3/4	2,083.83	3/4	2,377.28	3/4	2,670.73
3	37.27	3	329.66	3	623.10	3	916.17	3	1,209.58	3	1,503.03	3	1,796.49	3	2,089.94	3	2,383.39	3	2,676.84
1 1/4	43.25	1 1/4	335.77	1 1/4	629.21	1 1/4	922.27	1 1/4	1,215.69	1 1/4	1,509.15	1 1/4	1,802.60	1 1/4	2,096.05	1 1/4	2,389.51	1 1/4	2,682.96
1 1/2	49.24	1 1/2	341.88	1 1/2	635.32	1 1/2	928.37	1 1/2	1,221.81	1 1/2	1,515.28	1 1/2	1,808.71	1 1/2	2,102.17	1 1/2	2,395.62	1 1/2	2,689.07
3/4	55.23	3/4	348.00	3/4	641.44	3/4	934.48	3/4	1,227.92	3/4	1,521.37	3/4	1,814.83	3/4	2,108.28	3/4	2,401.73	3/4	2,695.19
4	61.22	4	354.11	4	647.55	4	940.58	4	1,234.04	4	1,527.49	4	1,820.94	4	2,114.39	4	2,407.85	4	2,701.30
1 1/4	67.26	1 1/4	360.22	1 1/4	653.66	1 1/4	946.70	1 1/4	1,240.16	1 1/4	1,533.60	1 1/4	1,827.05	1 1/4	2,120.51	1 1/4	2,413.96	1 1/4	2,707.41
1 1/2	73.30	1 1/2	366.34	1 1/2	659.78	1 1/2	952.81	1 1/2	1,246.26	1 1/2	1,539.72	1 1/2	1,833.17	1 1/2	2,126.62	1 1/2	2,420.07	1 1/2	2,713.53
3/4	79.34	3/4	372.45	3/4	665.89	3/4	958.92	3/4	1,252.38	3/4	1,545.83	3/4	1,839.28	3/4	2,132.73	3/4	2,426.19	3/4	2,719.64
5	85.39	5	378.56	5	672.00	5	965.04	5	1,258.49	5	1,551.94	5	1,845.40	5	2,138.85	5	2,432.30	5	2,725.75
1 1/4	91.46	1 1/4	384.68	1 1/4	678.12	1 1/4	971.15	1 1/4	1,264.60	1 1/4	1,558.06	1 1/4	1,851.51	1 1/4	2,144.96	1 1/4	2,438.41	1 1/4	2,731.87
1 1/2	97.54	1 1/2	390.79	1 1/2	684.23	1 1/2	977.26	1 1/2	1,270.72	1 1/2	1,564.17	1 1/2	1,857.62	1 1/2	2,151.08	1 1/2	2,444.53	1 1/2	2,737.98
3/4	103.61	3/4	396.90	3/4	690.34	3/4	983.38	3/4	1,276.83	3/4	1,570.28	3/4	1,863.74	3/4	2,157.19	3/4	2,450.64	3/4	2,744.09
6	109.68	6	403.02	6	696.46	6	989.49	6	1,282.94	6	1,576.40	6	1,869.85	6	2,163.30	6	2,456.76	6	2,750.21
1 1/4	115.78	1 1/4	409.13	1 1/4	702.56	1 1/4	995.60	1 1/4	1,289.06	1 1/4	1,582.51	1 1/4	1,875.96	1 1/4	2,169.42	1 1/4	2,462.87	1 1/4	2,756.32
1 1/2	121.87	1 1/2	415.24	1 1/2	708.66	1 1/2	1,001.72	1 1/2	1,295.17	1 1/2	1,588.62	1 1/2	1,882.08	1 1/2	2,175.53	1 1/2	2,468.98	1 1/2	2,762.44
3/4	127.97	3/4	421.36	3/4	714.76	3/4	1,007.83	3/4	1,301.28	3/4	1,594.74	3/4	1,888.19	3/4	2,181.64	3/4	2,475.10	3/4	2,768.55
7	134.06	7	427.47	7	720.87	7	1,013.95	7	1,307.40	7	1,600.85	7	1,894.30	7	2,187.76	7	2,481.21	7	2,774.66
1 1/4	140.17	1 1/4	433.58	1 1/4	726.97	1 1/4	1,020.06	1 1/4	1,313.51	1 1/4	1,606.96	1 1/4	1,900.42	1 1/4	2,193.87	1 1/4	2,487.32	1 1/4	2,780.78
1 1/2	146.28	1 1/2	439.70	1 1/2	733.07	1 1/2	1,026.17	1 1/2	1,319.63	1 1/2	1,613.08	1 1/2	1,906.53	1 1/2	2,199.98	1 1/2	2,493.44	1 1/2	2,786.89
3/4	152.38	3/4	445.81	3/4	739.18	3/4	1,032.29	3/4	1,325.74	3/4	1,619.19	3/4	1,912.64	3/4	2,206.10	3/4	2,499.55	3/4	2,793.00
8	158.49	8	451.92	8	745.28	8	1,038.40	8	1,331.85	8	1,625.31	8	1,918.76	8	2,212.21	8	2,505.66	8	2,799.12
1 1/4	164.60	1 1/4	458.04	1 1/4	751.38	1 1/4	1,044.51	1 1/4	1,337.97	1 1/4	1,631.42	1 1/4	1,924.87	1 1/4	2,218.32	1 1/4	2,511.78	1 1/4	2,805.23
1 1/2	170.72	1 1/2	464.15	1 1/2	757.48	1 1/2	1,050.63	1 1/2	1,344.08	1 1/2	1,637.53	1 1/2	1,930.99	1 1/2	2,224.44	1 1/2	2,517.89	1 1/2	2,811.34
3/4	176.83	3/4	470.26	3/4	763.59	3/4	1,056.74	3/4	1,350.19	3/4	1,643.65	3/4	1,937.10	3/4	2,230.55	3/4	2,524.00	3/4	2,817.46
9	182.94	9	476.38	9	769.69	9	1,062.85	9	1,356.31	9	1,649.76	9	1,943.21	9	2,236.67	9	2,530.12	9	2,823.57
1 1/4	189.05	1 1/4	482.49	1 1/4	775.79	1 1/4	1,068.97	1 1/4	1,362.42	1 1/4	1,655.87	1 1/4	1,949.33	1 1/4	2,242.78	1 1/4	2,536.23	1 1/4	2,829.68
1 1/2	195.17	1 1/2	488.60	1 1/2	781.90	1 1/2	1,075.08	1 1/2	1,368.53	1 1/2	1,661.99	1 1/2	1,955.44	1 1/2	2,248.89	1 1/2	2,542.35	1 1/2	2,835.80
3/4	201.28	3/4	494.72	3/4	788.00	3/4	1,081.20	3/4	1,374.65	3/4	1,668.10	3/4	1,961.55	3/4	2,255.01	3/4	2,548.46	3/4	2,841.91
10	207.39	10	500.83	10	794.10	10	1,087.31	10	1,380.76	10	1,674.21	10	1,967.67	10	2,261.12	10	2,554.57	10	2,848.03
1 1/4	213.51	1 1/4	506.94	1 1/4	800.21	1 1/4	1,093.42	1 1/4	1,386.88	1 1/4	1,680.33	1 1/4	1,973.78	1 1/4	2,267.23	1 1/4	2,560.69	1 1/4	2,854.14
1 1/2	219.62	1 1/2	513.06	1 1/2	806.31	1 1/2	1,099.54	1 1/2	1,392.99	1 1/2	1,686.44	1 1/2	1,979.89	1 1/2	2,273.35	1 1/2	2,566.80	1 1/2	2,860.25
3/4	225.73	3/4	519.17	3/4	812.41	3/4	1,105.65	3/4	1,399.10	3/4	1,692.56	3/4	1,986.01	3/4	2,279.46	3/4	2,572.91	3/4	2,866.37
11	231.85	11	525.28	11	818.51	11	1,111.76	11	1,405.22	11	1,698.67	11	1,992.12	11	2,285.57	11	2,579.03	11	2,872.48
1 1/4	237.96	1 1/4	531.40	1 1/4	824.62	1 1/4	1,117.88	1 1/4	1,411.33	1 1/4	1,704.78	1 1/4	1,998.24	1 1/4	2,291.69	1 1/4	2,585.14	1 1/4	2,878.59
1 1/2	244.07	1 1/2	537.51	1 1/2	830.72	1 1/2	1,123.99	1 1/2	1,417.44	1 1/2	1,710.90	1 1/2	2,004.35	1 1/2	2,297.80	1 1/2	2,591.25	1 1/2	2,884.71
3/4	250.19	3/4	543.62	3/4	836.82	3/4	1,130.10	3/4	1,423.56	3/4	1,717.01	3/4	2,010.46	3/4	2,303.92	3/4	2,597.37	3/4	2,890.82

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "HFL 100"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,896.93	0	3,190.39	0	3,483.84	0	3,777.29	0	4,070.59	0		0		0		0		0	
1/4	2,903.05	1/4	3,196.50	1/4	3,489.95	1/4	3,783.41	1/4	4,076.42	1/4		1/4		1/4		1/4		1/4	
1/2	2,909.16	1/2	3,202.61	1/2	3,496.07	1/2	3,789.52	1/2	4,082.24	1/2		1/2		1/2		1/2		1/2	
3/4	2,915.28	3/4	3,208.73	3/4	3,502.18	3/4	3,795.63	3/4	4,088.07	3/4		3/4		3/4		3/4		3/4	
1	2,921.39	1	3,214.84	1	3,508.29	1	3,801.75	1	4,093.89	1		1		1		1		1	
1 1/4	2,927.50	1 1/4	3,220.96	1 1/4	3,514.41	1 1/4	3,807.86	1 1/4	4,097.97	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,933.62	1 1/2	3,227.07	1 1/2	3,520.52	1 1/2	3,813.97	1 1/2	4,102.04	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,939.73	3/4	3,233.18	3/4	3,526.64	3/4	3,820.09	3/4	4,106.12	3/4		3/4		3/4		3/4		3/4	
2	2,945.84	2	3,239.30	2	3,532.75	2	3,826.20	2	4,110.20	2		2		2		2		2	
1 1/4	2,951.96	1 1/4	3,245.41	1 1/4	3,538.86	1 1/4	3,832.32	1 1/4	4,112.23	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,958.07	1 1/2	3,251.52	1 1/2	3,544.98	1 1/2	3,838.43	1 1/2	4,114.27	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,964.18	3/4	3,257.64	3/4	3,551.09	3/4	3,844.54	3/4	4,116.31	3/4		3/4		3/4		3/4		3/4	
3	2,970.30	3	3,263.75	3	3,557.20	3	3,850.66	3	4,118.35	3		3		3		3		3	
1 1/4	2,976.41	1 1/4	3,269.86	1 1/4	3,563.32	1 1/4	3,856.77	1 1/4	4,118.86	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,982.52	1 1/2	3,275.98	1 1/2	3,569.43	1 1/2	3,862.88	1 1/2	4,119.37	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,988.64	3/4	3,282.09	3/4	3,575.54	3/4	3,869.00	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,994.75	4	3,288.20	4	3,581.66	4	3,875.11	4		4		4		4		4		4	
1 1/4	3,000.87	1 1/4	3,294.32	1 1/4	3,587.77	1 1/4	3,881.22	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,006.98	1 1/2	3,300.43	1 1/2	3,593.88	1 1/2	3,887.34	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,013.09	3/4	3,306.55	3/4	3,600.00	3/4	3,893.45	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,019.21	5	3,312.66	5	3,606.11	5	3,899.56	5		5		5		5		5		5	
1 1/4	3,025.32	1 1/4	3,318.77	1 1/4	3,612.23	1 1/4	3,905.68	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,031.43	1 1/2	3,324.89	1 1/2	3,618.34	1 1/2	3,911.79	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,037.55	3/4	3,331.00	3/4	3,624.45	3/4	3,917.91	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,043.66	6	3,337.11	6	3,630.57	6	3,924.02	6		6		6		6		6		6	
1 1/4	3,049.77	1 1/4	3,343.23	1 1/4	3,636.68	1 1/4	3,930.13	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,055.89	1 1/2	3,349.34	1 1/2	3,642.79	1 1/2	3,936.25	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,062.00	3/4	3,355.45	3/4	3,648.91	3/4	3,942.38	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,068.12	7	3,361.57	7	3,655.02	7	3,948.47	7		7		7		7		7		7	
1 1/4	3,074.23	1 1/4	3,367.68	1 1/4	3,661.13	1 1/4	3,954.59	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,080.34	1 1/2	3,373.80	1 1/2	3,667.25	1 1/2	3,960.70	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,086.46	3/4	3,379.91	3/4	3,673.36	3/4	3,966.81	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,092.57	8	3,386.02	8	3,679.48	8	3,972.93	8		8		8		8		8		8	
1 1/4	3,098.68	1 1/4	3,392.14	1 1/4	3,685.59	1 1/4	3,979.04	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,104.80	1 1/2	3,398.25	1 1/2	3,691.70	1 1/2	3,985.16	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,110.91	3/4	3,404.36	3/4	3,697.82	3/4	3,991.27	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,117.02	9	3,410.48	9	3,703.93	9	3,997.38	9		9		9		9		9		9	
1 1/4	3,123.14	1 1/4	3,416.59	1 1/4	3,710.04	1 1/4	4,003.50	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,129.25	1 1/2	3,422.70	1 1/2	3,716.16	1 1/2	4,009.61	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,135.36	3/4	3,428.82	3/4	3,722.27	3/4	4,015.72	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,141.48	10	3,434.93	10	3,728.38	10	4,021.84	10		10		10		10		10		10	
1 1/4	3,147.59	1 1/4	3,441.04	1 1/4	3,734.50	1 1/4	4,027.94	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,153.71	1 1/2	3,447.16	1 1/2	3,740.61	1 1/2	4,034.04	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,159.82	3/4	3,453.27	3/4	3,746.72	3/4	4,040.14	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,165.93	11	3,459.39	11	3,752.84	11	4,046.25	11		11		11		11		11		11	
1 1/4	3,172.05	1 1/4	3,465.50	1 1/4	3,758.95	1 1/4	4,052.33	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,178.16	1 1/2	3,471.61	1 1/2	3,765.07	1 1/2	4,058.42	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,184.27	3/4	3,477.73	3/4	3,771.18	3/4	4,064.51	3/4		3/4		3/4		3/4		3/4		3/4	

RESTRAPPED: 5/03/2019 JS  
 RECALCULATED: 05/04/2019 CL  
 RERINTED: 08/19/2019 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 08/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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 Pearland, Texas 77588  
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