



# BARGE "KIRBY 16808"

# PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "HW CHEM 169"

GAUGE HEIGHT 17'-04 5/8"

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	0.00	0	195.69	0	547.52	0	991.64	0	1,501.48	0	2,059.48	0	2,651.90	0	3,267.05	0	3,894.38	0	4,523.74
1/4	1.18	1/4	201.89	1/4	556.01	1/4	1,001.70	1/4	1,512.70	1/4	2,071.53	1/4	2,664.54	1/4	3,280.04	1/4	3,907.50	1/4	4,536.80
1/2	2.36	1/2	208.10	1/2	564.50	1/2	1,011.76	1/2	1,523.92	1/2	2,083.58	1/2	2,677.18	1/2	3,293.02	1/2	3,920.62	1/2	4,549.86
3/4	3.54	3/4	214.30	3/4	572.99	3/4	1,021.82	3/4	1,535.14	3/4	2,095.64	3/4	2,689.82	3/4	3,306.01	3/4	3,933.74	3/4	4,562.92
1	4.71	1	220.50	1	581.48	1	1,031.88	1	1,546.36	1	2,107.69	1	2,702.45	1	3,319.00	1	3,946.86	1	4,575.98
1/4	6.88	1/4	226.93	1/4	590.11	1/4	1,042.06	1/4	1,557.65	1/4	2,119.81	1/4	2,715.13	1/4	3,332.01	1/4	3,959.99	1/4	4,589.02
1/2	9.04	1/2	233.37	1/2	598.75	1/2	1,052.24	1/2	1,568.95	1/2	2,131.93	1/2	2,727.80	1/2	3,345.02	1/2	3,973.12	1/2	4,602.06
3/4	11.20	3/4	239.80	3/4	607.39	3/4	1,062.42	3/4	1,580.25	3/4	2,144.05	3/4	2,740.47	3/4	3,358.04	3/4	3,986.25	3/4	4,615.10
2	13.36	2	246.24	2	616.02	2	1,072.60	2	1,591.55	2	2,156.17	2	2,753.14	2	3,371.05	2	3,999.38	2	4,628.14
1/4	16.15	1/4	252.89	1/4	624.81	1/4	1,082.88	1/4	1,602.92	1/4	2,168.33	1/4	2,765.85	1/4	3,384.07	1/4	4,012.51	1/4	4,641.17
1/2	18.94	1/2	259.55	1/2	633.60	1/2	1,093.15	1/2	1,614.30	1/2	2,180.50	1/2	2,778.56	1/2	3,397.10	1/2	4,025.64	1/2	4,654.19
3/4	21.73	3/4	266.20	3/4	642.38	3/4	1,103.43	3/4	1,625.67	3/4	2,192.67	3/4	2,791.27	3/4	3,410.12	3/4	4,038.77	3/4	4,667.21
3	24.52	3	272.86	3	651.17	3	1,113.71	3	1,637.05	3	2,204.83	3	2,803.98	3	3,423.14	3	4,051.91	3	4,680.24
1/4	27.84	1/4	279.73	1/4	660.10	1/4	1,124.10	1/4	1,648.50	1/4	2,217.06	1/4	2,816.73	1/4	3,436.18	1/4	4,065.04	1/4	4,693.25
1/2	31.15	1/2	286.60	1/2	669.04	1/2	1,134.49	1/2	1,659.95	1/2	2,229.29	1/2	2,829.48	1/2	3,449.23	1/2	4,078.17	1/2	4,706.26
3/4	34.47	3/4	293.46	3/4	677.97	3/4	1,144.88	3/4	1,671.40	3/4	2,241.51	3/4	2,842.23	3/4	3,462.27	3/4	4,091.30	3/4	4,719.27
4	37.79	4	300.33	4	686.90	4	1,155.26	4	1,682.86	4	2,253.74	4	2,854.98	4	3,475.31	4	4,104.43	4	4,732.29
1/4	41.54	1/4	307.42	1/4	695.98	1/4	1,165.75	1/4	1,694.39	1/4	2,266.02	1/4	2,867.75	1/4	3,488.37	1/4	4,117.55	1/4	4,745.27
1/2	45.29	1/2	314.50	1/2	705.05	1/2	1,176.24	1/2	1,705.92	1/2	2,278.30	1/2	2,880.52	1/2	3,501.43	1/2	4,130.68	1/2	4,758.26
3/4	49.04	3/4	321.58	3/4	714.12	3/4	1,186.73	3/4	1,717.45	3/4	2,290.58	3/4	2,893.30	3/4	3,514.49	3/4	4,143.80	3/4	4,771.25
5	52.79	5	328.67	5	723.19	5	1,197.21	5	1,728.98	5	2,302.86	5	2,906.07	5	3,527.55	5	4,156.93	5	4,784.24
1/4	56.93	1/4	335.94	1/4	732.40	1/4	1,207.80	1/4	1,740.58	1/4	2,315.18	1/4	2,918.88	1/4	3,540.62	1/4	4,170.05	1/4	4,797.20
1/2	61.08	1/2	343.21	1/2	741.61	1/2	1,218.39	1/2	1,752.18	1/2	2,327.50	1/2	2,931.69	1/2	3,553.69	1/2	4,183.17	1/2	4,810.17
3/4	65.23	3/4	350.49	3/4	750.82	3/4	1,228.98	3/4	1,763.78	3/4	2,339.82	3/4	2,944.50	3/4	3,566.76	3/4	4,196.29	3/4	4,823.13
6	69.38	6	357.76	6	760.02	6	1,239.57	6	1,775.38	6	2,352.14	6	2,957.31	6	3,579.83	6	4,209.40	6	4,836.10
1/4	73.89	1/4	365.23	1/4	769.36	1/4	1,250.26	1/4	1,787.05	1/4	2,364.52	1/4	2,970.15	1/4	3,592.92	1/4	4,222.52	1/4	4,849.04
1/2	78.39	1/2	372.69	1/2	778.70	1/2	1,260.94	1/2	1,798.73	1/2	2,376.90	1/2	2,982.99	1/2	3,606.00	1/2	4,235.64	1/2	4,861.99
3/4	82.90	3/4	380.15	3/4	788.04	3/4	1,271.63	3/4	1,810.40	3/4	2,389.29	3/4	2,995.83	3/4	3,619.08	3/4	4,248.76	3/4	4,874.93
7	87.40	7	387.62	7	797.38	7	1,282.31	7	1,822.07	7	2,401.67	7	3,008.67	7	3,632.17	7	4,261.88	7	4,887.88
1/4	92.24	1/4	395.27	1/4	806.85	1/4	1,293.09	1/4	1,833.81	1/4	2,414.09	1/4	3,021.54	1/4	3,645.26	1/4	4,274.99	1/4	4,900.80
1/2	97.08	1/2	402.93	1/2	816.31	1/2	1,303.87	1/2	1,845.55	1/2	2,426.51	1/2	3,034.40	1/2	3,658.36	1/2	4,288.11	1/2	4,913.73
3/4	101.92	3/4	410.58	3/4	825.77	3/4	1,314.65	3/4	1,857.29	3/4	2,438.93	3/4	3,047.27	3/4	3,671.45	3/4	4,301.22	3/4	4,926.65
8	106.76	8	418.24	8	835.24	8	1,325.43	8	1,869.02	8	2,451.36	8	3,060.14	8	3,684.55	8	4,314.33	8	4,939.57
1/4	111.90	1/4	426.07	1/4	844.83	1/4	1,336.30	1/4	1,880.83	1/4	2,463.82	1/4	3,073.04	1/4	3,697.65	1/4	4,327.43	1/4	4,952.46
1/2	117.05	1/2	433.89	1/2	854.43	1/2	1,347.17	1/2	1,892.64	1/2	2,476.29	1/2	3,085.94	1/2	3,710.75	1/2	4,340.54	1/2	4,965.36
3/4	122.19	3/4	441.72	3/4	864.02	3/4	1,358.04	3/4	1,904.45	3/4	2,488.75	3/4	3,098.84	3/4	3,723.85	3/4	4,353.64	3/4	4,978.25
9	127.33	9	449.55	9	873.62	9	1,368.90	9	1,916.26	9	2,501.21	9	3,111.74	9	3,736.95	9	4,366.74	9	4,991.14
1/4	132.76	1/4	457.55	1/4	883.33	1/4	1,379.87	1/4	1,928.13	1/4	2,513.73	1/4	3,124.65	1/4	3,750.07	1/4	4,379.83	1/4	5,004.01
1/2	138.19	1/2	465.55	1/2	893.05	1/2	1,390.83	1/2	1,940.00	1/2	2,526.25	1/2	3,137.57	1/2	3,763.18	1/2	4,392.93	1/2	5,016.88
3/4	143.62	3/4	473.55	3/4	902.76	3/4	1,401.80	3/4	1,951.87	3/4	2,538.77	3/4	3,150.49	3/4	3,776.29	3/4	4,406.02	3/4	5,029.75
10	149.05	10	481.55	10	912.48	10	1,412.76	10	1,963.74	10	2,551.29	10	3,163.40	10	3,789.40	10	4,419.12	10	5,042.62
1/4	154.75	1/4	489.71	1/4	922.32	1/4	1,423.81	1/4	1,975.67	1/4	2,563.85	1/4	3,176.35	1/4	3,802.52	1/4	4,432.20	1/4	5,055.46
1/2	160.45	1/2	497.88	1/2	932.15	1/2	1,434.86	1/2	1,987.61	1/2	2,576.40	1/2	3,189.30	1/2	3,815.64	1/2	4,445.29	1/2	5,068.30
3/4	166.15	3/4	506.05	3/4	941.99	3/4	1,445.90	3/4	1,999.54	3/4	2,588.96	3/4	3,202.24	3/4	3,828.76	3/4	4,458.37	3/4	5,081.14
11	171.86	11	514.21	11	951.83	11	1,456.95	11	2,011.48	11	2,601.52	11	3,215.19	11	3,841.88	11	4,471.45	11	5,093.98
1/4	177.82	1/4	522.54	1/4	961.79	1/4	1,468.08	1/4	2,023.48	1/4	2,614.12	1/4	3,228.15	1/4	3,855.01	1/4	4,484.52	1/4	5,106.79
1/2	183.77	1/2	530.87	1/2	971.74	1/2	1,479.21	1/2	2,035.48	1/2	2,626.71	1/2	3,241.12	1/2	3,868.13	1/2	4,497.60	1/2	5,119.60
3/4	189.73	3/4	539.20	3/4	981.69	3/4	1,490.35	3/4	2,047.48	3/4	2,639.31	3/4	3,254.08	3/4	3,881.26	3/4	4,510.67	3/4	5,132.40

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE IS SCALED FROM EXTREME BOTTOM OF TANK ON INNAGE BASIS.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT RIM OF MANWAY.  
GAUGE POINT: (MANUAL) LOCATED ON CENTERLINE OF TANK.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "KIRBY 16808"

## PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "HW CHEM 169"

GAUGE HEIGHT 17'-04 5/8"

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	5,145.21	0	5,748.45	0	6,322.31	0	6,854.10	0	7,328.10	0	7,722.62	0	7,998.50	0		0			
1/4	5,157.99	1/4	5,760.73	1/4	6,333.84	1/4	6,864.58	1/4	7,337.17	1/4	7,729.70	1/4	8,002.25	1/4		1/4			
1/2	5,170.77	1/2	5,773.00	1/2	6,345.37	1/2	6,875.06	1/2	7,346.24	1/2	7,736.79	1/2	8,006.00	1/2		1/2			
3/4	5,183.55	3/4	5,785.27	3/4	6,356.90	3/4	6,885.54	3/4	7,355.31	3/4	7,743.87	3/4	8,009.75	3/4		3/4			
1	5,196.33	1	5,797.55	1	6,368.43	1	6,896.02	1	7,364.38	1	7,750.95	1	8,013.50	1		1			
1/4	5,209.08	1/4	5,809.77	1/4	6,379.88	1/4	6,906.41	1/4	7,373.32	1/4	7,757.82	1/4	8,016.82	1/4		1/4			
1/2	5,221.82	1/2	5,822.00	1/2	6,391.33	1/2	6,916.80	1/2	7,382.25	1/2	7,764.69	1/2	8,020.13	1/2		1/2			
3/4	5,234.57	3/4	5,834.23	3/4	6,402.79	3/4	6,927.18	3/4	7,391.18	3/4	7,771.56	3/4	8,023.45	3/4		3/4			
2	5,247.31	2	5,846.45	2	6,414.24	2	6,937.57	2	7,400.12	2	7,778.43	2	8,026.76	2		2			
1/4	5,260.02	1/4	5,858.62	1/4	6,425.62	1/4	6,947.86	1/4	7,408.90	1/4	7,785.09	1/4	8,029.56	1/4		1/4			
1/2	5,272.73	1/2	5,870.80	1/2	6,437.00	1/2	6,958.14	1/2	7,417.69	1/2	7,791.75	1/2	8,032.36	1/2		1/2			
3/4	5,285.43	3/4	5,882.97	3/4	6,448.38	3/4	6,968.43	3/4	7,426.48	3/4	7,798.41	3/4	8,035.15	3/4		3/4			
3	5,298.14	3	5,895.14	3	6,459.76	3	6,978.71	3	7,435.26	3	7,805.07	3	8,037.95	3		3			
1/4	5,310.82	1/4	5,907.26	1/4	6,471.05	1/4	6,988.89	1/4	7,443.90	1/4	7,811.50	1/4	8,040.11	1/4		1/4			
1/2	5,323.50	1/2	5,919.37	1/2	6,482.35	1/2	6,999.06	1/2	7,452.55	1/2	7,817.93	1/2	8,042.26	1/2		1/2			
3/4	5,336.18	3/4	5,931.48	3/4	6,493.64	3/4	7,009.23	3/4	7,461.19	3/4	7,824.36	3/4	8,044.42	3/4		3/4			
4	5,348.86	4	5,943.60	4	6,504.93	4	7,019.40	4	7,469.83	4	7,830.79	4	8,046.57	4		4			
1/4	5,361.49	1/4	5,955.65	1/4	6,516.15	1/4	7,029.47	1/4	7,478.32	1/4	7,836.99	1/4	8,047.75	1/4		1/4			
1/2	5,374.12	1/2	5,967.70	1/2	6,527.37	1/2	7,039.54	1/2	7,486.80	1/2	7,843.20	1/2	8,048.93	1/2		1/2			
3/4	5,386.75	3/4	5,979.76	3/4	6,538.59	3/4	7,049.60	3/4	7,495.28	3/4	7,849.41	3/4	8,050.11	3/4		3/4			
5	5,399.38	5	5,991.81	5	6,549.81	5	7,059.67	5	7,503.76	5	7,855.62	5	8,051.29	5		5			
1/4	5,411.98	1/4	6,003.81	1/4	6,560.94	1/4	7,069.62	1/4	7,512.09	1/4	7,861.58	1/4		1/4		1/4			
1/2	5,424.58	1/2	6,015.81	1/2	6,572.07	1/2	7,079.57	1/2	7,520.42	1/2	7,867.54	1/2		1/2		1/2			
3/4	5,437.18	3/4	6,027.81	3/4	6,583.20	3/4	7,089.52	3/4	7,528.74	3/4	7,873.49	3/4		3/4		3/4			
6	5,449.79	6	6,039.81	6	6,594.33	6	7,099.48	6	7,537.07	6	7,879.45	6		6		6			
1/4	5,462.34	1/4	6,051.74	1/4	6,605.39	1/4	7,109.31	1/4	7,545.24	1/4	7,885.15	1/4		1/4		1/4			
1/2	5,474.89	1/2	6,063.68	1/2	6,616.44	1/2	7,119.14	1/2	7,553.42	1/2	7,890.85	1/2		1/2		1/2			
3/4	5,487.45	3/4	6,075.61	3/4	6,627.49	3/4	7,128.98	3/4	7,561.59	3/4	7,896.54	3/4		3/4		3/4			
7	5,500.00	7	6,087.55	7	6,638.55	7	7,138.81	7	7,569.76	7	7,902.24	7		7		7			
1/4	5,512.52	1/4	6,099.42	1/4	6,649.51	1/4	7,148.52	1/4	7,577.76	1/4	7,907.67	1/4		1/4		1/4			
1/2	5,525.04	1/2	6,111.29	1/2	6,660.46	1/2	7,158.24	1/2	7,585.76	1/2	7,913.10	1/2		1/2		1/2			
3/4	5,537.55	3/4	6,123.15	3/4	6,671.42	3/4	7,167.95	3/4	7,593.76	3/4	7,918.52	3/4		3/4		3/4			
8	5,550.07	8	6,135.02	8	6,682.38	8	7,177.67	8	7,601.76	8	7,923.95	8		8		8			
1/4	5,562.54	1/4	6,146.83	1/4	6,693.26	1/4	7,187.26	1/4	7,609.59	1/4	7,929.10	1/4		1/4		1/4			
1/2	5,575.00	1/2	6,158.64	1/2	6,704.13	1/2	7,196.86	1/2	7,617.42	1/2	7,934.24	1/2		1/2		1/2			
3/4	5,587.46	3/4	6,170.45	3/4	6,715.01	3/4	7,206.45	3/4	7,625.24	3/4	7,939.38	3/4		3/4		3/4			
9	5,599.93	9	6,182.26	9	6,725.88	9	7,216.05	9	7,633.07	9	7,944.52	9		9		9			
1/4	5,612.36	1/4	6,194.00	1/4	6,736.65	1/4	7,225.52	1/4	7,640.72	1/4	7,949.36	1/4		1/4		1/4			
1/2	5,624.79	1/2	6,205.74	1/2	6,747.43	1/2	7,234.99	1/2	7,648.37	1/2	7,954.20	1/2		1/2		1/2			
3/4	5,637.21	3/4	6,217.48	3/4	6,758.20	3/4	7,244.46	3/4	7,656.02	3/4	7,959.04	3/4		3/4		3/4			
10	5,649.64	10	6,229.21	10	6,768.98	10	7,253.93	10	7,663.67	10	7,963.88	10		10		10			
1/4	5,662.02	1/4	6,240.89	1/4	6,779.67	1/4	7,263.27	1/4	7,671.13	1/4	7,968.39	1/4		1/4		1/4			
1/2	5,674.39	1/2	6,252.56	1/2	6,790.36	1/2	7,272.61	1/2	7,678.60	1/2	7,972.89	1/2		1/2		1/2			
3/4	5,686.77	3/4	6,264.23	3/4	6,801.05	3/4	7,281.95	3/4	7,686.06	3/4	7,977.40	3/4		3/4		3/4			
11	5,699.14	11	6,275.90	11	6,811.74	11	7,291.29	11	7,693.52	11	7,981.90	11		11		11			
1/4	5,711.47	1/4	6,287.51	1/4	6,822.33	1/4	7,300.49	1/4	7,700.80	1/4	7,986.05	1/4		1/4		1/4			
1/2	5,723.80	1/2	6,299.11	1/2	6,832.92	1/2	7,309.69	1/2	7,708.07	1/2	7,990.20	1/2		1/2		1/2			
3/4	5,736.12	3/4	6,310.71	3/4	6,843.51	3/4	7,318.89	3/4	7,715.35	3/4	7,994.35	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2002

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



# BARGE "KIRBY 16808"

## STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "HW CHEM 169"

GAUGE HEIGHT 17'-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	0.00	0	196.07	0	548.64	0	993.64	0	1,504.55	0	2,063.74	0	2,657.45	0	3,274.02	0	3,902.83	0	4,533.83
1/4	1.18	1/4	202.29	1/4	557.14	1/4	1,003.73	1/4	1,515.79	1/4	2,075.82	1/4	2,670.12	1/4	3,287.04	1/4	3,915.99	1/4	4,546.92
1/2	2.37	1/2	208.51	1/2	565.64	1/2	1,013.81	1/2	1,527.04	1/2	2,087.90	1/2	2,682.79	1/2	3,300.06	1/2	3,929.15	1/2	4,560.01
3/4	3.55	3/4	214.73	3/4	574.14	3/4	1,023.89	3/4	1,538.28	3/4	2,099.99	3/4	2,695.45	3/4	3,313.08	3/4	3,942.32	3/4	4,573.10
1	4.74	1	220.95	1	582.64	1	1,033.98	1	1,549.52	1	2,112.07	1	2,708.12	1	3,326.10	1	3,955.48	1	4,586.19
1/4	6.90	1/4	227.40	1/4	591.30	1/4	1,044.17	1/4	1,560.84	1/4	2,124.21	1/4	2,720.82	1/4	3,339.13	1/4	3,968.64	1/4	4,599.27
1/2	9.06	1/2	233.85	1/2	599.96	1/2	1,054.37	1/2	1,572.15	1/2	2,136.35	1/2	2,733.52	1/2	3,352.17	1/2	3,981.80	1/2	4,612.35
3/4	11.22	3/4	240.29	3/4	608.62	3/4	1,064.57	3/4	1,583.47	3/4	2,148.48	3/4	2,746.23	3/4	3,365.20	3/4	3,994.96	3/4	4,625.42
2	13.38	2	246.74	2	617.29	2	1,074.76	2	1,594.79	2	2,160.62	2	2,758.93	2	3,378.24	2	4,008.12	2	4,638.50
1/4	16.18	1/4	253.41	1/4	626.09	1/4	1,085.07	1/4	1,606.19	1/4	2,172.82	1/4	2,771.67	1/4	3,391.30	1/4	4,021.28	1/4	4,651.56
1/2	18.98	1/2	260.08	1/2	634.89	1/2	1,095.37	1/2	1,617.60	1/2	2,185.01	1/2	2,784.40	1/2	3,404.36	1/2	4,034.44	1/2	4,664.62
3/4	21.77	3/4	266.76	3/4	643.70	3/4	1,105.67	3/4	1,629.00	3/4	2,197.21	3/4	2,797.14	3/4	3,417.42	3/4	4,047.60	3/4	4,677.68
3	24.57	3	273.43	3	652.50	3	1,115.98	3	1,640.40	3	2,209.40	3	2,809.88	3	3,430.48	3	4,060.76	3	4,690.74
1/4	27.89	1/4	280.31	1/4	661.45	1/4	1,126.39	1/4	1,651.88	1/4	2,221.65	1/4	2,822.65	1/4	3,443.55	1/4	4,073.92	1/4	4,703.79
1/2	31.21	1/2	287.19	1/2	670.39	1/2	1,136.80	1/2	1,663.36	1/2	2,233.90	1/2	2,835.43	1/2	3,456.62	1/2	4,087.08	1/2	4,716.83
3/4	34.54	3/4	294.07	3/4	679.34	3/4	1,147.21	3/4	1,674.83	3/4	2,246.15	3/4	2,848.20	3/4	3,469.69	3/4	4,100.24	3/4	4,729.88
4	37.86	4	300.95	4	688.29	4	1,157.62	4	1,686.31	4	2,258.40	4	2,860.98	4	3,482.76	4	4,113.40	4	4,742.93
1/4	41.62	1/4	308.05	1/4	697.37	1/4	1,168.13	1/4	1,697.86	1/4	2,270.71	1/4	2,873.79	1/4	3,495.85	1/4	4,126.57	1/4	4,755.95
1/2	45.38	1/2	315.14	1/2	706.46	1/2	1,178.63	1/2	1,709.42	1/2	2,283.01	1/2	2,886.60	1/2	3,508.94	1/2	4,139.73	1/2	4,768.98
3/4	49.14	3/4	322.24	3/4	715.55	3/4	1,189.14	3/4	1,720.97	3/4	2,295.32	3/4	2,899.40	3/4	3,522.03	3/4	4,152.89	3/4	4,782.00
5	52.90	5	329.33	5	724.64	5	1,199.64	5	1,732.52	5	2,307.62	5	2,912.21	5	3,535.12	5	4,166.05	5	4,795.02
1/4	57.06	1/4	336.62	1/4	733.87	1/4	1,210.26	1/4	1,744.06	1/4	2,319.98	1/4	2,925.05	1/4	3,548.22	1/4	4,179.20	1/4	4,808.02
1/2	61.21	1/2	343.92	1/2	743.10	1/2	1,220.87	1/2	1,755.60	1/2	2,332.33	1/2	2,937.88	1/2	3,561.32	1/2	4,192.36	1/2	4,821.02
3/4	65.37	3/4	351.21	3/4	752.32	3/4	1,231.48	3/4	1,767.13	3/4	2,344.69	3/4	2,950.71	3/4	3,574.42	3/4	4,205.51	3/4	4,834.02
6	69.52	6	358.50	6	761.55	6	1,242.10	6	1,778.67	6	2,357.05	6	2,963.55	6	3,587.52	6	4,218.67	6	4,847.02
1/4	74.04	1/4	365.98	1/4	770.90	1/4	1,252.80	1/4	1,790.45	1/4	2,369.45	1/4	2,976.42	1/4	3,600.64	1/4	4,231.82	1/4	4,860.01
1/2	78.56	1/2	373.45	1/2	780.26	1/2	1,263.50	1/2	1,802.24	1/2	2,381.85	1/2	2,989.29	1/2	3,613.76	1/2	4,244.98	1/2	4,872.99
3/4	83.08	3/4	380.93	3/4	789.62	3/4	1,274.20	3/4	1,814.02	3/4	2,394.24	3/4	3,002.15	3/4	3,626.88	3/4	4,258.13	3/4	4,885.97
7	87.60	7	388.40	7	798.98	7	1,284.90	7	1,825.81	7	2,406.64	7	3,015.02	7	3,640.00	7	4,271.29	7	4,898.95
1/4	92.44	1/4	396.07	1/4	808.46	1/4	1,295.71	1/4	1,837.58	1/4	2,419.10	1/4	3,027.92	1/4	3,653.13	1/4	4,284.43	1/4	4,911.90
1/2	97.29	1/2	403.74	1/2	817.95	1/2	1,306.51	1/2	1,849.35	1/2	2,431.55	1/2	3,040.82	1/2	3,666.25	1/2	4,297.57	1/2	4,924.86
3/4	102.13	3/4	411.40	3/4	827.44	3/4	1,317.32	3/4	1,861.11	3/4	2,444.00	3/4	3,053.72	3/4	3,679.38	3/4	4,310.71	3/4	4,937.81
8	106.98	8	419.07	8	836.93	8	1,328.12	8	1,872.88	8	2,456.45	8	3,066.62	8	3,692.50	8	4,323.86	8	4,950.76
1/4	112.13	1/4	426.92	1/4	846.55	1/4	1,339.01	1/4	1,884.71	1/4	2,468.95	1/4	3,079.55	1/4	3,705.63	1/4	4,336.99	1/4	4,963.70
1/2	117.29	1/2	434.76	1/2	856.17	1/2	1,349.90	1/2	1,896.55	1/2	2,481.44	1/2	3,092.48	1/2	3,718.76	1/2	4,350.13	1/2	4,976.63
3/4	122.44	3/4	442.61	3/4	865.79	3/4	1,360.80	3/4	1,908.38	3/4	2,493.93	3/4	3,105.40	3/4	3,731.89	3/4	4,363.27	3/4	4,989.57
9	127.60	9	450.45	9	875.40	9	1,371.69	9	1,920.21	9	2,506.43	9	3,118.33	9	3,745.02	9	4,376.40	9	5,002.50
1/4	133.04	1/4	458.47	1/4	885.14	1/4	1,382.68	1/4	1,932.11	1/4	2,518.98	1/4	3,131.28	1/4	3,758.17	1/4	4,389.54	1/4	5,015.40
1/2	138.48	1/2	466.49	1/2	894.87	1/2	1,393.67	1/2	1,944.00	1/2	2,531.52	1/2	3,144.23	1/2	3,771.32	1/2	4,402.67	1/2	5,028.31
3/4	143.92	3/4	474.51	3/4	904.60	3/4	1,404.65	3/4	1,955.89	3/4	2,544.07	3/4	3,157.17	3/4	3,784.47	3/4	4,415.80	3/4	5,041.21
10	149.36	10	482.52	10	914.33	10	1,415.64	10	1,967.79	10	2,556.62	10	3,170.12	10	3,797.62	10	4,428.93	10	5,054.12
1/4	155.07	1/4	490.71	1/4	924.19	1/4	1,426.71	1/4	1,979.75	1/4	2,569.20	1/4	3,183.10	1/4	3,810.77	1/4	4,442.05	1/4	5,066.99
1/2	160.77	1/2	498.89	1/2	934.05	1/2	1,437.79	1/2	1,991.71	1/2	2,581.79	1/2	3,196.07	1/2	3,823.92	1/2	4,455.17	1/2	5,079.87
3/4	166.48	3/4	507.08	3/4	943.90	3/4	1,448.86	3/4	2,003.68	3/4	2,594.37	3/4	3,209.05	3/4	3,837.07	3/4	4,468.29	3/4	5,092.74
11	172.19	11	515.26	11	953.76	11	1,459.93	11	2,015.64	11	2,606.95	11	3,222.02	11	3,850.21	11	4,481.40	11	5,105.62
1/4	178.16	1/4	523.61	1/4	963.73	1/4	1,471.08	1/4	2,027.67	1/4	2,619.58	1/4	3,235.02	1/4	3,863.37	1/4	4,494.51	1/4	5,118.46
1/2	184.13	1/2	531.95	1/2	973.70	1/2	1,482.24	1/2	2,039.69	1/2	2,632.20	1/2	3,248.02	1/2	3,876.52	1/2	4,507.62	1/2	5,131.31
3/4	190.10	3/4	540.30	3/4	983.67	3/4	1,493.39	3/4	2,051.71	3/4	2,644.83	3/4	3,261.02	3/4	3,889.68	3/4	4,520.73	3/4	5,144.15

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE IS SCALED FROM EXTREME BOTTOM OF TANK ON INNAGE BASIS.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT RIM OF MANWAY.  
GAUGE POINT: (MANUAL) LOCATED ON CENTERLINE OF TANK.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 16808"

STBD  
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "HW CHEM 169"

GAUGE HEIGHT 17'-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	5,157.00	0	5,762.10	0	6,337.90	0	6,871.81	0	7,348.21	0	7,745.50	0	8,025.12	0		0			
1/4	5,169.82	1/4	5,774.41	1/4	6,349.48	1/4	6,882.35	1/4	7,357.34	1/4	7,752.64	1/4	8,028.98	1/4		1/4			
1/2	5,182.63	1/2	5,786.73	1/2	6,361.06	1/2	6,892.89	1/2	7,366.46	1/2	7,759.79	1/2	8,032.85	1/2		1/2			
3/4	5,195.45	3/4	5,799.04	3/4	6,372.64	3/4	6,903.43	3/4	7,375.59	3/4	7,766.93	3/4	8,036.71	3/4		3/4			
1	5,208.26	1	5,811.36	1	6,384.21	1	6,913.98	1	7,384.71	1	7,774.07	1	8,040.57	1		1			
1/4	5,221.05	1/4	5,823.62	1/4	6,395.71	1/4	6,924.40	1/4	7,393.70	1/4	7,781.01	1/4	8,044.01	1/4		1/4			
1/2	5,233.83	1/2	5,835.88	1/2	6,407.20	1/2	6,934.83	1/2	7,402.68	1/2	7,787.94	1/2	8,047.44	1/2		1/2			
3/4	5,246.62	3/4	5,848.14	3/4	6,418.70	3/4	6,945.26	3/4	7,411.66	3/4	7,794.88	3/4	8,050.88	3/4		3/4			
2	5,259.40	2	5,860.40	2	6,430.19	2	6,955.69	2	7,420.64	2	7,801.81	2	8,054.31	2		2			
1/4	5,272.15	1/4	5,872.61	1/4	6,441.61	1/4	6,966.02	1/4	7,429.49	1/4	7,808.54	1/4	8,057.25	1/4		1/4			
1/2	5,284.90	1/2	5,884.82	1/2	6,453.02	1/2	6,976.36	1/2	7,438.33	1/2	7,815.26	1/2	8,060.19	1/2		1/2			
3/4	5,297.65	3/4	5,897.03	3/4	6,464.44	3/4	6,986.69	3/4	7,447.18	3/4	7,821.99	3/4	8,063.13	3/4		3/4			
3	5,310.40	3	5,909.24	3	6,475.86	3	6,997.02	3	7,456.02	3	7,828.71	3	8,066.07	3		3			
1/4	5,323.11	1/4	5,921.39	1/4	6,487.20	1/4	7,007.24	1/4	7,464.71	1/4	7,835.22	1/4	8,068.41	1/4		1/4			
1/2	5,335.82	1/2	5,933.55	1/2	6,498.55	1/2	7,017.46	1/2	7,473.40	1/2	7,841.73	1/2	8,070.75	1/2		1/2			
3/4	5,348.53	3/4	5,945.70	3/4	6,509.89	3/4	7,027.68	3/4	7,482.10	3/4	7,848.23	3/4	8,073.09	3/4		3/4			
4	5,361.24	4	5,957.86	4	6,521.24	4	7,037.90	4	7,490.79	4	7,854.74	4	8,075.43	4		4			
1/4	5,373.91	1/4	5,969.95	1/4	6,532.50	1/4	7,048.02	1/4	7,499.33	1/4	7,861.01	1/4	8,076.93	1/4		1/4			
1/2	5,386.58	1/2	5,982.05	1/2	6,543.76	1/2	7,058.13	1/2	7,507.87	1/2	7,867.29	1/2	8,078.43	1/2		1/2			
3/4	5,399.26	3/4	5,994.14	3/4	6,555.02	3/4	7,068.24	3/4	7,516.41	3/4	7,873.56	3/4	8,079.93	3/4		3/4			
5	5,411.93	5	6,006.24	5	6,566.29	5	7,078.36	5	7,524.95	5	7,879.83	5	8,081.43	5		5			
1/4	5,424.57	1/4	6,018.28	1/4	6,577.46	1/4	7,088.36	1/4	7,533.34	1/4	7,885.87	1/4	8,082.05	1/4		1/4			
1/2	5,437.20	1/2	6,030.32	1/2	6,588.64	1/2	7,098.36	1/2	7,541.73	1/2	7,891.90	1/2		1/2		1/2			
3/4	5,449.84	3/4	6,042.36	3/4	6,599.82	3/4	7,108.36	3/4	7,550.11	3/4	7,897.94	3/4		3/4		3/4			
6	5,462.48	6	6,054.40	6	6,611.00	6	7,118.36	6	7,558.50	6	7,903.98	6		6		6			
1/4	5,475.07	1/4	6,066.38	1/4	6,622.10	1/4	7,128.24	1/4	7,566.73	1/4	7,909.75	1/4		1/4		1/4			
1/2	5,487.67	1/2	6,078.36	1/2	6,633.19	1/2	7,138.12	1/2	7,574.95	1/2	7,915.52	1/2		1/2		1/2			
3/4	5,500.26	3/4	6,090.33	3/4	6,644.29	3/4	7,148.00	3/4	7,583.18	3/4	7,921.30	3/4		3/4		3/4			
7	5,512.86	7	6,102.31	7	6,655.38	7	7,157.88	7	7,591.40	7	7,927.07	7		7		7			
1/4	5,525.41	1/4	6,114.22	1/4	6,666.38	1/4	7,167.65	1/4	7,599.46	1/4	7,932.58	1/4		1/4		1/4			
1/2	5,537.96	1/2	6,126.13	1/2	6,677.38	1/2	7,177.42	1/2	7,607.52	1/2	7,938.10	1/2		1/2		1/2			
3/4	5,550.52	3/4	6,138.04	3/4	6,688.38	3/4	7,187.18	3/4	7,615.58	3/4	7,943.61	3/4		3/4		3/4			
8	5,563.07	8	6,149.95	8	6,699.38	8	7,196.95	8	7,623.64	8	7,949.12	8		8		8			
1/4	5,575.58	1/4	6,161.80	1/4	6,710.30	1/4	7,206.60	1/4	7,631.53	1/4	7,954.35	1/4		1/4		1/4			
1/2	5,588.08	1/2	6,173.65	1/2	6,721.23	1/2	7,216.25	1/2	7,639.42	1/2	7,959.57	1/2		1/2		1/2			
3/4	5,600.59	3/4	6,185.51	3/4	6,732.15	3/4	7,225.90	3/4	7,647.30	3/4	7,964.80	3/4		3/4		3/4			
9	5,613.10	9	6,197.36	9	6,743.07	9	7,235.55	9	7,655.19	9	7,970.02	9		9		9			
1/4	5,625.56	1/4	6,209.14	1/4	6,753.89	1/4	7,245.07	1/4	7,662.90	1/4	7,974.95	1/4		1/4		1/4			
1/2	5,638.02	1/2	6,220.92	1/2	6,764.71	1/2	7,254.58	1/2	7,670.62	1/2	7,979.87	1/2		1/2		1/2			
3/4	5,650.49	3/4	6,232.70	3/4	6,775.54	3/4	7,264.10	3/4	7,678.33	3/4	7,984.79	3/4		3/4		3/4			
10	5,662.95	10	6,244.48	10	6,786.36	10	7,273.62	10	7,686.05	10	7,989.71	10		10		10			
1/4	5,675.37	1/4	6,256.20	1/4	6,797.09	1/4	7,283.01	1/4	7,693.57	1/4	7,994.32	1/4		1/4		1/4			
1/2	5,687.79	1/2	6,267.92	1/2	6,807.82	1/2	7,292.39	1/2	7,701.10	1/2	7,998.92	1/2		1/2		1/2			
3/4	5,700.20	3/4	6,279.64	3/4	6,818.55	3/4	7,301.78	3/4	7,708.62	3/4	8,003.52	3/4		3/4		3/4			
11	5,712.62	11	6,291.36	11	6,829.29	11	7,311.17	11	7,716.14	11	8,008.12	11		11		11			
1/4	5,724.99	1/4	6,302.99	1/4	6,839.92	1/4	7,320.43	1/4	7,723.48	1/4	8,012.37	1/4		1/4		1/4			
1/2	5,737.36	1/2	6,314.63	1/2	6,850.55	1/2	7,329.69	1/2	7,730.82	1/2	8,016.62	1/2		1/2		1/2			
3/4	5,749.73	3/4	6,326.27	3/4	6,861.18	3/4	7,338.95	3/4	7,738.16	3/4	8,020.87	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/28/1992  
REPRINTED: 07/29/2002 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2002

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