



# BARGE "KIRBY 17847"

PORT  
HORIZONTAL

INNAGE TABLE  
BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CI 1608"

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	0.12	0	185.59	0	519.06	0	940.64	0	1,425.46	0	1,957.65	0	2,525.12	0	3,117.78	0	3,726.71	0	4,343.61
1/4	1.25	1/4	191.43	1/4	527.11	1/4	950.20	1/4	1,436.14	1/4	1,969.17	1/4	2,537.26	1/4	3,130.34	1/4	3,739.51	1/4	4,356.48
1/2	2.38	1/2	197.27	1/2	535.16	1/2	959.77	1/2	1,446.83	1/2	1,980.70	1/2	2,549.39	1/2	3,142.90	1/2	3,752.32	1/2	4,369.36
3/4	3.50	3/4	203.11	3/4	543.22	3/4	969.33	3/4	1,457.51	3/4	1,992.22	3/4	2,561.53	3/4	3,155.46	3/4	3,765.12	3/4	4,382.24
1	4.63	1	208.95	1	551.27	1	978.89	1	1,468.19	1	2,003.74	1	2,573.67	1	3,168.02	1	3,777.93	1	4,395.12
1/4	6.69	1/4	215.01	1/4	559.47	1/4	988.55	1/4	1,478.95	1/4	2,015.32	1/4	2,585.85	1/4	3,180.61	1/4	3,790.74	1/4	4,408.00
1/2	8.75	1/2	221.07	1/2	567.67	1/2	998.22	1/2	1,489.71	1/2	2,026.90	1/2	2,598.03	1/2	3,193.20	1/2	3,803.56	1/2	4,420.88
3/4	10.81	3/4	227.13	3/4	575.86	3/4	1,007.89	3/4	1,500.47	3/4	2,038.49	3/4	2,610.22	3/4	3,205.78	3/4	3,816.37	3/4	4,433.75
2	12.87	2	233.19	2	584.06	2	1,017.55	2	1,511.23	2	2,050.07	2	2,622.40	2	3,218.37	2	3,829.19	2	4,446.63
1/4	15.54	1/4	239.48	1/4	592.40	1/4	1,027.32	1/4	1,522.07	1/4	2,061.71	1/4	2,634.62	1/4	3,230.98	1/4	3,842.02	1/4	4,459.51
1/2	18.20	1/2	245.78	1/2	600.74	1/2	1,037.09	1/2	1,532.91	1/2	2,073.35	1/2	2,646.84	1/2	3,243.60	1/2	3,854.85	1/2	4,472.38
3/4	20.87	3/4	252.07	3/4	609.08	3/4	1,046.86	3/4	1,543.75	3/4	2,084.99	3/4	2,659.06	3/4	3,256.21	3/4	3,867.67	3/4	4,485.26
3	23.54	3	258.37	3	617.42	3	1,056.63	3	1,554.59	3	2,096.63	3	2,671.29	3	3,268.82	3	3,880.50	3	4,498.13
1/4	26.69	1/4	264.89	1/4	625.90	1/4	1,066.50	1/4	1,565.50	1/4	2,108.33	1/4	2,683.55	1/4	3,281.46	1/4	3,893.34	1/4	4,511.00
1/2	29.85	1/2	271.42	1/2	634.37	1/2	1,076.37	1/2	1,576.42	1/2	2,120.02	1/2	2,695.81	1/2	3,294.10	1/2	3,906.18	1/2	4,523.88
3/4	33.00	3/4	277.94	3/4	642.85	3/4	1,086.25	3/4	1,587.33	3/4	2,131.72	3/4	2,708.07	3/4	3,306.73	3/4	3,919.02	3/4	4,536.75
4	36.16	4	284.47	4	651.32	4	1,096.12	4	1,598.25	4	2,143.41	4	2,720.33	4	3,319.37	4	3,931.86	4	4,549.62
1/4	39.74	1/4	291.18	1/4	659.93	1/4	1,106.09	1/4	1,609.24	1/4	2,155.17	1/4	2,732.63	1/4	3,332.03	1/4	3,944.70	1/4	4,562.49
1/2	43.31	1/2	297.90	1/2	668.54	1/2	1,116.06	1/2	1,620.23	1/2	2,166.92	1/2	2,744.93	1/2	3,344.69	1/2	3,957.55	1/2	4,575.35
3/4	46.89	3/4	304.62	3/4	677.15	3/4	1,126.03	3/4	1,631.22	3/4	2,178.67	3/4	2,757.23	3/4	3,357.35	3/4	3,970.40	3/4	4,588.22
5	50.46	5	311.34	5	685.76	5	1,136.00	5	1,642.20	5	2,190.42	5	2,769.53	5	3,370.01	5	3,983.24	5	4,601.09
1/4	54.41	1/4	318.24	1/4	694.50	1/4	1,146.06	1/4	1,653.27	1/4	2,202.22	1/4	2,781.87	1/4	3,382.69	1/4	3,996.10	1/4	4,613.95
1/2	58.36	1/2	325.15	1/2	703.24	1/2	1,156.13	1/2	1,664.33	1/2	2,214.03	1/2	2,794.20	1/2	3,395.38	1/2	4,008.96	1/2	4,626.81
3/4	62.31	3/4	332.05	3/4	711.98	3/4	1,166.20	3/4	1,675.39	3/4	2,225.83	3/4	2,806.54	3/4	3,408.06	3/4	4,021.81	3/4	4,639.67
6	66.26	6	338.96	6	720.72	6	1,176.26	6	1,686.45	6	2,237.64	6	2,818.88	6	3,420.74	6	4,034.67	6	4,652.53
1/4	70.55	1/4	346.05	1/4	729.59	1/4	1,186.42	1/4	1,697.58	1/4	2,249.49	1/4	2,831.25	1/4	3,433.45	1/4	4,047.53	1/4	4,665.39
1/2	74.83	1/2	353.13	1/2	738.45	1/2	1,196.58	1/2	1,708.72	1/2	2,261.35	1/2	2,843.62	1/2	3,446.15	1/2	4,060.39	1/2	4,678.24
3/4	79.12	3/4	360.22	3/4	747.32	3/4	1,206.74	3/4	1,719.85	3/4	2,273.21	3/4	2,856.00	3/4	3,458.85	3/4	4,073.25	3/4	4,691.10
7	83.41	7	367.30	7	756.18	7	1,216.90	7	1,730.98	7	2,285.06	7	2,868.37	7	3,471.56	7	4,086.11	7	4,703.95
1/4	88.01	1/4	374.56	1/4	765.17	1/4	1,227.16	1/4	1,742.18	1/4	2,296.97	1/4	2,880.78	1/4	3,484.28	1/4	4,098.98	1/4	4,716.80
1/2	92.61	1/2	381.83	1/2	774.16	1/2	1,237.41	1/2	1,753.39	1/2	2,308.88	1/2	2,893.18	1/2	3,497.00	1/2	4,111.85	1/2	4,729.64
3/4	97.21	3/4	389.09	3/4	783.15	3/4	1,247.66	3/4	1,764.59	3/4	2,320.79	3/4	2,905.59	3/4	3,509.73	3/4	4,124.72	3/4	4,742.49
8	101.81	8	396.35	8	792.14	8	1,257.91	8	1,775.79	8	2,332.69	8	2,918.00	8	3,522.45	8	4,137.59	8	4,755.34
1/4	106.67	1/4	403.78	1/4	801.25	1/4	1,268.26	1/4	1,787.06	1/4	2,344.65	1/4	2,930.44	1/4	3,535.19	1/4	4,150.46	1/4	4,768.17
1/2	111.53	1/2	411.20	1/2	810.36	1/2	1,278.60	1/2	1,798.33	1/2	2,356.61	1/2	2,942.88	1/2	3,547.93	1/2	4,163.33	1/2	4,781.01
3/4	116.40	3/4	418.63	3/4	819.46	3/4	1,288.94	3/4	1,809.60	3/4	2,368.56	3/4	2,955.32	3/4	3,560.67	3/4	4,176.20	3/4	4,793.85
9	121.26	9	426.06	9	828.57	9	1,299.28	9	1,820.87	9	2,380.52	9	2,967.76	9	3,573.42	9	4,189.07	9	4,806.68
1/4	126.37	1/4	433.66	1/4	837.80	1/4	1,309.71	1/4	1,832.20	1/4	2,392.52	1/4	2,980.23	1/4	3,586.17	1/4	4,201.95	1/4	4,819.51
1/2	131.48	1/2	441.25	1/2	847.03	1/2	1,320.14	1/2	1,843.54	1/2	2,404.53	1/2	2,992.70	1/2	3,598.93	1/2	4,214.83	1/2	4,832.34
3/4	136.59	3/4	448.84	3/4	856.25	3/4	1,330.57	3/4	1,854.87	3/4	2,416.53	3/4	3,005.17	3/4	3,611.69	3/4	4,227.70	3/4	4,845.16
10	141.70	10	456.43	10	865.48	10	1,341.00	10	1,866.21	10	2,428.53	10	3,017.64	10	3,624.45	10	4,240.58	10	4,857.99
1/4	147.06	1/4	464.18	1/4	874.82	1/4	1,351.52	1/4	1,877.61	1/4	2,440.59	1/4	3,030.15	1/4	3,637.23	1/4	4,253.46	1/4	4,870.80
1/2	152.43	1/2	471.94	1/2	884.16	1/2	1,362.03	1/2	1,889.00	1/2	2,452.64	1/2	3,042.65	1/2	3,650.00	1/2	4,266.33	1/2	4,883.62
3/4	157.80	3/4	479.69	3/4	893.50	3/4	1,372.55	3/4	1,900.40	3/4	2,464.69	3/4	3,055.15	3/4	3,662.78	3/4	4,279.21	3/4	4,896.43
11	163.16	11	487.44	11	902.84	11	1,383.07	11	1,911.80	11	2,476.74	11	3,067.65	11	3,675.55	11	4,292.09	11	4,909.25
1/4	168.77	1/4	495.34	1/4	912.29	1/4	1,393.66	1/4	1,923.26	1/4	2,488.83	1/4	3,080.19	1/4	3,688.34	1/4	4,304.97	1/4	4,922.05
1/2	174.38	1/2	503.25	1/2	921.74	1/2	1,404.26	1/2	1,934.73	1/2	2,500.93	1/2	3,092.72	1/2	3,701.13	1/2	4,317.85	1/2	4,934.85
3/4	179.99	3/4	511.15	3/4	931.19	3/4	1,414.86	3/4	1,946.19	3/4	2,513.02	3/4	3,105.25	3/4	3,713.92	3/4	4,330.73	3/4	4,947.66

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.  
 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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "KIRBY 17847"

## PORT HORIZONTAL INNAGE TABLE BERGAN GAUGE

ELS OF 42 U.S. GALLONS

FORMERLY "CI 1608"

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	4,960.46	0	5,569.26	0	6,161.71	0	6,728.86	0	7,260.63	0	7,744.88	0	8,165.70	0	8,498.57	0		0	
1/4	4,973.25	1/4	5,581.79	1/4	6,173.80	1/4	6,740.32	1/4	7,271.21	1/4	7,754.31	1/4	8,173.59	1/4	8,504.20	1/4		1/4	
1/2	4,986.03	1/2	5,594.32	1/2	6,185.89	1/2	6,751.77	1/2	7,281.80	1/2	7,765.75	1/2	8,181.47	1/2	8,509.83	1/2		1/2	
3/4	4,998.82	3/4	5,606.85	3/4	6,197.98	3/4	6,763.23	3/4	7,292.39	3/4	7,773.19	3/4	8,189.36	3/4	8,515.46	3/4		3/4	
1	5,011.61	1	5,619.37	1	6,210.07	1	6,774.68	1	7,302.98	1	7,782.63	1	8,197.24	1	8,521.09	1		1	
1/4	5,024.38	1/4	5,631.87	1/4	6,222.11	1/4	6,786.07	1/4	7,313.49	1/4	7,791.95	1/4	8,204.97	1/4	8,526.48	1/4		1/4	
1/2	5,037.16	1/2	5,644.37	1/2	6,234.16	1/2	6,797.46	1/2	7,323.99	1/2	7,801.28	1/2	8,212.71	1/2	8,531.87	1/2		1/2	
3/4	5,049.93	3/4	5,656.87	3/4	6,246.20	3/4	6,808.85	3/4	7,334.50	3/4	7,810.60	3/4	8,220.44	3/4	8,537.25	3/4		3/4	
2	5,062.70	2	5,669.37	2	6,258.25	2	6,820.25	2	7,345.00	2	7,819.93	2	8,228.17	2	8,542.64	2		2	
1/4	5,075.46	1/4	5,681.84	1/4	6,270.25	1/4	6,831.57	1/4	7,355.42	1/4	7,829.14	1/4	8,235.74	1/4	8,547.77	1/4		1/4	
1/2	5,088.22	1/2	5,694.30	1/2	6,282.24	1/2	6,842.90	1/2	7,365.84	1/2	7,838.35	1/2	8,243.31	1/2	8,552.89	1/2		1/2	
3/4	5,100.97	3/4	5,706.77	3/4	6,294.24	3/4	6,854.23	3/4	7,376.26	3/4	7,847.57	3/4	8,250.89	3/4	8,558.02	3/4		3/4	
3	5,113.73	3	5,719.24	3	6,306.24	3	6,865.55	3	7,386.68	3	7,856.78	3	8,258.46	3	8,563.15	3		3	
1/4	5,126.47	1/4	5,731.68	1/4	6,318.19	1/4	6,876.81	1/4	7,397.01	1/4	7,865.87	1/4	8,265.87	1/4	8,568.00	1/4		1/4	
1/2	5,139.21	1/2	5,744.11	1/2	6,330.14	1/2	6,888.07	1/2	7,407.34	1/2	7,874.97	1/2	8,273.27	1/2	8,572.86	1/2		1/2	
3/4	5,151.95	3/4	5,756.55	3/4	6,342.09	3/4	6,899.34	3/4	7,417.67	3/4	7,884.06	3/4	8,280.68	3/4	8,577.71	3/4		3/4	
4	5,164.69	4	5,768.99	4	6,354.04	4	6,910.60	4	7,428.00	4	7,893.15	4	8,288.09	4	8,582.57	4		4	
1/4	5,177.41	1/4	5,781.39	1/4	6,365.94	1/4	6,921.79	1/4	7,438.24	1/4	7,902.13	1/4	8,295.33	1/4	8,587.13	1/4		1/4	
1/2	5,190.13	1/2	5,793.79	1/2	6,377.84	1/2	6,932.98	1/2	7,448.49	1/2	7,911.10	1/2	8,302.57	1/2	8,591.69	1/2		1/2	
3/4	5,202.85	3/4	5,806.19	3/4	6,389.74	3/4	6,944.18	3/4	7,458.73	3/4	7,920.07	3/4	8,309.81	3/4	8,596.25	3/4		3/4	
5	5,215.57	5	5,818.60	5	6,401.65	5	6,955.37	5	7,468.97	5	7,929.05	5	8,317.05	5	8,600.81	5		5	
1/4	5,228.27	1/4	5,830.96	1/4	6,413.50	1/4	6,966.49	1/4	7,479.12	1/4	7,937.90	1/4	8,324.11	1/4	8,605.06	1/4		1/4	
1/2	5,240.97	1/2	5,843.33	1/2	6,425.35	1/2	6,977.62	1/2	7,489.27	1/2	7,946.75	1/2	8,331.18	1/2	8,609.31	1/2		1/2	
3/4	5,253.67	3/4	5,855.70	3/4	6,437.20	3/4	6,988.74	3/4	7,499.41	3/4	7,955.60	3/4	8,338.24	3/4	8,613.55	3/4		3/4	
6	5,266.37	6	5,868.07	6	6,449.05	6	6,999.86	6	7,509.56	6	7,964.45	6	8,345.30	6	8,617.80	6		6	
1/4	5,279.05	1/4	5,880.40	1/4	6,460.84	1/4	7,010.92	1/4	7,519.62	1/4	7,973.17	1/4	8,352.19	1/4	8,621.70	1/4		1/4	
1/2	5,291.73	1/2	5,892.73	1/2	6,472.64	1/2	7,021.97	1/2	7,529.67	1/2	7,981.89	1/2	8,359.07	1/2	8,625.61	1/2		1/2	
3/4	5,304.41	3/4	5,905.07	3/4	6,484.44	3/4	7,033.02	3/4	7,539.73	3/4	7,990.62	3/4	8,365.95	3/4	8,629.51	3/4		3/4	
7	5,317.09	7	5,917.40	7	6,496.24	7	7,044.08	7	7,549.78	7	7,999.34	7	8,372.83	7	8,633.42	7		7	
1/4	5,329.75	1/4	5,929.69	1/4	6,507.98	1/4	7,055.06	1/4	7,559.74	1/4	8,007.93	1/4	8,379.53	1/4	8,636.94	1/4		1/4	
1/2	5,342.41	1/2	5,941.99	1/2	6,519.73	1/2	7,066.04	1/2	7,569.70	1/2	8,016.53	1/2	8,386.22	1/2	8,640.47	1/2		1/2	
3/4	5,355.07	3/4	5,954.28	3/4	6,531.47	3/4	7,077.02	3/4	7,579.65	3/4	8,025.12	3/4	8,392.92	3/4	8,643.99	3/4		3/4	
8	5,367.72	8	5,966.58	8	6,543.22	8	7,088.00	8	7,589.61	8	8,033.71	8	8,399.61	8	8,647.52	8		8	
1/4	5,380.36	1/4	5,978.83	1/4	6,554.91	1/4	7,098.90	1/4	7,599.47	1/4	8,042.17	1/4	8,406.11	1/4	8,650.62	1/4		1/4	
1/2	5,392.99	1/2	5,991.09	1/2	6,566.60	1/2	7,109.81	1/2	7,609.33	1/2	8,050.63	1/2	8,412.61	1/2	8,653.72	1/2		1/2	
3/4	5,405.63	3/4	6,003.35	3/4	6,578.28	3/4	7,120.71	3/4	7,619.19	3/4	8,059.09	3/4	8,419.11	3/4	8,656.82	3/4		3/4	
9	5,418.26	9	6,015.61	9	6,589.97	9	7,131.62	9	7,629.05	9	8,067.55	9	8,425.61	9	8,659.92	9		9	
1/4	5,430.87	1/4	6,027.82	1/4	6,601.61	1/4	7,142.45	1/4	7,638.80	1/4	8,075.87	1/4	8,431.90	1/4	8,662.51	1/4		1/4	
1/2	5,443.48	1/2	6,040.04	1/2	6,613.24	1/2	7,153.28	1/2	7,648.56	1/2	8,084.19	1/2	8,438.20	1/2	8,665.11	1/2		1/2	
3/4	5,456.09	3/4	6,052.26	3/4	6,624.87	3/4	7,164.11	3/4	7,658.32	3/4	8,092.52	3/4	8,444.49	3/4	8,667.71	3/4		3/4	
10	5,468.70	10	6,064.47	10	6,636.51	10	7,174.94	10	7,668.07	10	8,100.84	10	8,450.79	10	8,670.31	10		10	
1/4	5,481.28	1/4	6,076.65	1/4	6,648.08	1/4	7,185.69	1/4	7,677.73	1/4	8,109.02	1/4	8,456.87	1/4	8,672.28	1/4		1/4	
1/2	5,493.87	1/2	6,088.82	1/2	6,659.65	1/2	7,196.44	1/2	7,687.38	1/2	8,117.20	1/2	8,462.96	1/2	8,674.25	1/2		1/2	
3/4	5,506.45	3/4	6,101.00	3/4	6,671.23	3/4	7,207.19	3/4	7,697.03	3/4	8,125.38	3/4	8,469.04	3/4	8,676.22	3/4		3/4	
11	5,519.03	11	6,113.18	11	6,682.80	11	7,217.94	11	7,706.69	11	8,133.56	11	8,475.12	11	8,678.19	11		11	
1/4	5,531.59	1/4	6,125.31	1/4	6,694.32	1/4	7,228.61	1/4	7,716.23	1/4	8,141.60	1/4	8,480.99	1/4	8,679.25	1/4		1/4	
1/2	5,544.15	1/2	6,137.44	1/2	6,705.83	1/2	7,239.28	1/2	7,725.78	1/2	8,149.63	1/2	8,486.85	1/2	8,680.30	1/2		1/2	
3/4	5,556.70	3/4	6,149.58	3/4	6,717.35	3/4	7,249.95	3/4	7,735.33	3/4	8,157.67	3/4	8,492.71	3/4	8,681.36	3/4		3/4	
														7/8	8,681.88				

STRAPPED: 04/01/2011 CL - SW  
CALCULATED: 04/01/2011 CL  
REPRINTED: 07/08/2021 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2021

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 17847"

**STBD  
HORIZONTAL**

**INNAGE TABLE  
BERGAN GAUGE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CI 1608"

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	0.12	0	185.65	0	519.17	0	940.79	0	1,425.61	0	1,957.77	0	2,525.19	0	3,117.79	0	3,726.64	0	4,343.45
1/4	1.25	1/4	191.49	1/4	527.22	1/4	950.35	1/4	1,436.29	1/4	1,969.29	1/4	2,537.33	1/4	3,130.35	1/4	3,739.44	1/4	4,356.32
1/2	2.38	1/2	197.33	1/2	535.28	1/2	959.91	1/2	1,446.97	1/2	1,980.81	1/2	2,549.46	1/2	3,142.91	1/2	3,752.24	1/2	4,369.20
3/4	3.50	3/4	203.17	3/4	543.33	3/4	969.47	3/4	1,457.65	3/4	1,992.34	3/4	2,561.60	3/4	3,155.46	3/4	3,765.04	3/4	4,382.08
1	4.63	1	209.01	1	551.39	1	979.03	1	1,468.33	1	2,003.86	1	2,573.74	1	3,168.02	1	3,777.85	1	4,394.96
1/4	6.69	1/4	215.07	1/4	559.59	1/4	988.70	1/4	1,479.09	1/4	2,015.44	1/4	2,585.92	1/4	3,180.61	1/4	3,790.66	1/4	4,407.83
1/2	8.75	1/2	221.13	1/2	567.79	1/2	998.36	1/2	1,489.85	1/2	2,027.02	1/2	2,598.10	1/2	3,193.19	1/2	3,803.48	1/2	4,420.71
3/4	10.81	3/4	227.19	3/4	575.98	3/4	1,008.03	3/4	1,500.61	3/4	2,038.60	3/4	2,610.28	3/4	3,205.78	3/4	3,816.29	3/4	4,433.58
2	12.88	2	233.26	2	584.18	2	1,017.70	2	1,511.37	2	2,050.18	2	2,622.46	2	3,218.36	2	3,829.10	2	4,446.46
1/4	15.54	1/4	239.55	1/4	592.52	1/4	1,027.47	1/4	1,522.21	1/4	2,061.82	1/4	2,634.68	1/4	3,230.98	1/4	3,841.93	1/4	4,459.33
1/2	18.21	1/2	245.85	1/2	600.86	1/2	1,037.24	1/2	1,533.05	1/2	2,073.46	1/2	2,646.90	1/2	3,243.59	1/2	3,854.76	1/2	4,472.21
3/4	20.88	3/4	252.15	3/4	609.20	3/4	1,047.01	3/4	1,543.89	3/4	2,085.10	3/4	2,659.12	3/4	3,256.20	3/4	3,867.58	3/4	4,485.08
3	23.55	3	258.44	3	617.54	3	1,056.78	3	1,554.73	3	2,096.74	3	2,671.34	3	3,268.81	3	3,880.41	3	4,497.95
1/4	26.70	1/4	264.97	1/4	626.02	1/4	1,066.65	1/4	1,565.64	1/4	2,108.43	1/4	2,683.60	1/4	3,281.44	1/4	3,893.25	1/4	4,510.82
1/2	29.86	1/2	271.49	1/2	634.50	1/2	1,076.52	1/2	1,576.56	1/2	2,120.13	1/2	2,695.86	1/2	3,294.08	1/2	3,906.08	1/2	4,523.69
3/4	33.02	3/4	278.02	3/4	642.97	3/4	1,086.39	3/4	1,587.47	3/4	2,131.83	3/4	2,708.12	3/4	3,306.72	3/4	3,918.92	3/4	4,536.56
4	36.17	4	284.54	4	651.45	4	1,096.26	4	1,598.39	4	2,143.52	4	2,720.38	4	3,319.35	4	3,931.75	4	4,549.43
1/4	39.75	1/4	291.26	1/4	660.06	1/4	1,106.23	1/4	1,609.38	1/4	2,155.27	1/4	2,732.68	1/4	3,332.01	1/4	3,944.60	1/4	4,562.30
1/2	43.33	1/2	297.98	1/2	668.67	1/2	1,116.20	1/2	1,620.36	1/2	2,167.02	1/2	2,744.98	1/2	3,344.67	1/2	3,957.45	1/2	4,575.16
3/4	46.91	3/4	304.70	3/4	677.28	3/4	1,126.17	3/4	1,631.35	3/4	2,178.77	3/4	2,757.28	3/4	3,357.33	3/4	3,970.29	3/4	4,588.03
5	50.48	5	311.42	5	685.89	5	1,136.14	5	1,642.34	5	2,190.52	5	2,769.58	5	3,369.99	5	3,983.14	5	4,600.90
1/4	54.43	1/4	318.33	1/4	694.63	1/4	1,146.21	1/4	1,653.40	1/4	2,202.33	1/4	2,781.91	1/4	3,382.67	1/4	3,995.99	1/4	4,613.75
1/2	58.38	1/2	325.24	1/2	703.37	1/2	1,156.28	1/2	1,664.47	1/2	2,214.13	1/2	2,794.25	1/2	3,395.35	1/2	4,008.84	1/2	4,626.61
3/4	62.33	3/4	332.14	3/4	712.11	3/4	1,166.34	3/4	1,675.53	3/4	2,225.93	3/4	2,806.58	3/4	3,408.03	3/4	4,021.70	3/4	4,639.47
6	66.28	6	339.05	6	720.85	6	1,176.41	6	1,686.59	6	2,237.74	6	2,818.92	6	3,420.71	6	4,034.55	6	4,652.33
1/4	70.57	1/4	346.14	1/4	729.72	1/4	1,186.57	1/4	1,697.72	1/4	2,249.59	1/4	2,831.29	1/4	3,433.41	1/4	4,047.41	1/4	4,665.19
1/2	74.86	1/2	353.22	1/2	738.58	1/2	1,196.73	1/2	1,708.85	1/2	2,261.45	1/2	2,843.66	1/2	3,446.11	1/2	4,060.27	1/2	4,678.04
3/4	79.15	3/4	360.31	3/4	747.45	3/4	1,206.89	3/4	1,719.98	3/4	2,273.30	3/4	2,856.03	3/4	3,458.82	3/4	4,073.13	3/4	4,690.89
7	83.44	7	367.40	7	756.32	7	1,217.05	7	1,731.12	7	2,285.16	7	2,868.40	7	3,471.52	7	4,085.99	7	4,703.74
1/4	88.04	1/4	374.66	1/4	765.31	1/4	1,227.30	1/4	1,742.32	1/4	2,297.07	1/4	2,880.81	1/4	3,484.24	1/4	4,098.86	1/4	4,716.59
1/2	92.64	1/2	381.92	1/2	774.30	1/2	1,237.56	1/2	1,753.52	1/2	2,308.97	1/2	2,893.21	1/2	3,496.96	1/2	4,111.72	1/2	4,729.43
3/4	97.24	3/4	389.18	3/4	783.29	3/4	1,247.81	3/4	1,764.72	3/4	2,320.88	3/4	2,905.62	3/4	3,509.68	3/4	4,124.59	3/4	4,742.28
8	101.84	8	396.44	8	792.27	8	1,258.06	8	1,775.92	8	2,332.78	8	2,918.03	8	3,522.40	8	4,137.46	8	4,755.12
1/4	106.71	1/4	403.87	1/4	801.38	1/4	1,268.40	1/4	1,787.19	1/4	2,344.74	1/4	2,930.46	1/4	3,535.14	1/4	4,150.33	1/4	4,767.96
1/2	111.57	1/2	411.30	1/2	810.49	1/2	1,278.75	1/2	1,798.46	1/2	2,356.69	1/2	2,942.90	1/2	3,547.88	1/2	4,163.20	1/2	4,780.79
3/4	116.44	3/4	418.73	3/4	819.60	3/4	1,289.09	3/4	1,809.73	3/4	2,368.65	3/4	2,955.34	3/4	3,560.62	3/4	4,176.07	3/4	4,793.63
9	121.30	9	426.17	9	828.71	9	1,299.43	9	1,821.00	9	2,380.60	9	2,967.78	9	3,573.36	9	4,188.94	9	4,806.46
1/4	126.41	1/4	433.76	1/4	837.94	1/4	1,309.86	1/4	1,832.33	1/4	2,392.61	1/4	2,980.25	1/4	3,586.12	1/4	4,201.81	1/4	4,819.29
1/2	131.52	1/2	441.35	1/2	847.17	1/2	1,320.29	1/2	1,843.66	1/2	2,404.61	1/2	2,992.72	1/2	3,598.88	1/2	4,214.69	1/2	4,832.11
3/4	136.64	3/4	448.95	3/4	856.39	3/4	1,330.72	3/4	1,855.00	3/4	2,416.61	3/4	3,005.19	3/4	3,611.63	3/4	4,227.56	3/4	4,844.94
10	141.75	10	456.54	10	865.62	10	1,341.15	10	1,866.33	10	2,428.62	10	3,017.66	10	3,624.39	10	4,240.43	10	4,857.76
1/4	147.11	1/4	464.29	1/4	874.96	1/4	1,351.67	1/4	1,877.73	1/4	2,440.67	1/4	3,030.16	1/4	3,637.16	1/4	4,253.31	1/4	4,870.57
1/2	152.48	1/2	472.04	1/2	884.30	1/2	1,362.18	1/2	1,889.13	1/2	2,452.71	1/2	3,042.66	1/2	3,649.94	1/2	4,266.19	1/2	4,883.39
3/4	157.85	3/4	479.80	3/4	893.64	3/4	1,372.70	3/4	1,900.53	3/4	2,464.76	3/4	3,055.17	3/4	3,662.71	3/4	4,279.06	3/4	4,896.20
11	163.21	11	487.55	11	902.98	11	1,383.21	11	1,911.93	11	2,476.81	11	3,067.67	11	3,675.48	11	4,291.94	11	4,909.01
1/4	168.82	1/4	495.45	1/4	912.43	1/4	1,393.81	1/4	1,923.39	1/4	2,488.91	1/4	3,080.20	1/4	3,688.27	1/4	4,304.82	1/4	4,921.81
1/2	174.43	1/2	503.36	1/2	921.88	1/2	1,404.41	1/2	1,934.85	1/2	2,501.00	1/2	3,092.73	1/2	3,701.06	1/2	4,317.69	1/2	4,934.61
3/4	180.04	3/4	511.26	3/4	931.34	3/4	1,415.01	3/4	1,946.31	3/4	2,513.09	3/4	3,105.26	3/4	3,713.85	3/4	4,330.57	3/4	4,947.42

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.  
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.

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 17847"

## STBD HORIZONTAL INNAGE TABLE BERGAN GAUGE

ELS OF 42 U.S. GALLONS

FORMERLY "CI 1608"

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	4,960.22	0	5,568.94	0	6,161.32	0	6,728.43	0	7,260.17	0	7,744.42	0	8,165.27	0	8,498.20	0		0	
1/4	4,973.00	1/4	5,581.47	1/4	6,173.41	1/4	6,739.88	1/4	7,270.75	1/4	7,753.86	1/4	8,173.16	1/4	8,503.83	1/4		1/4	
1/2	4,985.79	1/2	5,593.99	1/2	6,185.50	1/2	6,751.34	1/2	7,281.34	1/2	7,763.29	1/2	8,181.05	1/2	8,509.46	1/2		1/2	
3/4	4,998.58	3/4	5,606.52	3/4	6,197.59	3/4	6,762.79	3/4	7,291.93	3/4	7,772.73	3/4	8,188.93	3/4	8,515.10	3/4		3/4	
1	5,011.36	1	5,619.05	1	6,209.68	1	6,774.24	1	7,302.52	1	7,782.17	1	8,196.82	1	8,520.73	1		1	
1/4	5,024.13	1/4	5,631.54	1/4	6,221.72	1/4	6,785.63	1/4	7,313.03	1/4	7,791.50	1/4	8,204.55	1/4	8,526.12	1/4		1/4	
1/2	5,036.90	1/2	5,644.04	1/2	6,233.76	1/2	6,797.02	1/2	7,323.53	1/2	7,800.82	1/2	8,212.28	1/2	8,531.50	1/2		1/2	
3/4	5,049.68	3/4	5,656.54	3/4	6,245.81	3/4	6,808.41	3/4	7,334.04	3/4	7,810.15	3/4	8,220.02	3/4	8,536.89	3/4		3/4	
2	5,062.45	2	5,669.04	2	6,257.85	2	6,819.80	2	7,344.54	2	7,819.48	2	8,227.75	2	8,542.28	2		2	
1/4	5,075.20	1/4	5,681.50	1/4	6,269.85	1/4	6,831.13	1/4	7,354.96	1/4	7,828.69	1/4	8,235.32	1/4	8,547.41	1/4		1/4	
1/2	5,087.96	1/2	5,693.97	1/2	6,281.85	1/2	6,842.46	1/2	7,365.38	1/2	7,837.90	1/2	8,242.89	1/2	8,552.54	1/2		1/2	
3/4	5,100.71	3/4	5,706.44	3/4	6,293.84	3/4	6,853.78	3/4	7,375.80	3/4	7,847.11	3/4	8,250.47	3/4	8,557.67	3/4		3/4	
3	5,113.47	3	5,718.90	3	6,305.84	3	6,865.11	3	7,386.22	3	7,856.32	3	8,258.04	3	8,562.79	3		3	
1/4	5,126.21	1/4	5,731.34	1/4	6,317.79	1/4	6,876.37	1/4	7,396.55	1/4	7,865.42	1/4	8,265.45	1/4	8,567.65	1/4		1/4	
1/2	5,138.94	1/2	5,743.77	1/2	6,329.74	1/2	6,887.63	1/2	7,406.88	1/2	7,874.51	1/2	8,272.86	1/2	8,572.51	1/2		1/2	
3/4	5,151.68	3/4	5,756.21	3/4	6,341.69	3/4	6,898.89	3/4	7,417.21	3/4	7,883.61	3/4	8,280.27	3/4	8,577.36	3/4		3/4	
4	5,164.42	4	5,768.64	4	6,353.64	4	6,910.15	4	7,427.54	4	7,892.70	4	8,287.68	4	8,582.22	4		4	
1/4	5,177.14	1/4	5,781.04	1/4	6,365.54	1/4	6,921.34	1/4	7,437.78	1/4	7,901.68	1/4	8,294.92	1/4	8,586.78	1/4		1/4	
1/2	5,189.86	1/2	5,793.44	1/2	6,377.44	1/2	6,932.54	1/2	7,448.02	1/2	7,910.65	1/2	8,302.16	1/2	8,591.34	1/2		1/2	
3/4	5,202.58	3/4	5,805.84	3/4	6,389.34	3/4	6,943.73	3/4	7,458.26	3/4	7,919.62	3/4	8,309.40	3/4	8,595.91	3/4		3/4	
5	5,215.29	5	5,818.25	5	6,401.24	5	6,954.92	5	7,468.50	5	7,928.60	5	8,316.64	5	8,600.47	5		5	
1/4	5,227.99	1/4	5,830.61	1/4	6,413.09	1/4	6,966.04	1/4	7,478.65	1/4	7,937.45	1/4	8,323.71	1/4	8,604.72	1/4		1/4	
1/2	5,240.69	1/2	5,842.98	1/2	6,424.93	1/2	6,977.17	1/2	7,488.80	1/2	7,946.30	1/2	8,330.77	1/2	8,608.97	1/2		1/2	
3/4	5,253.39	3/4	5,855.35	3/4	6,436.78	3/4	6,988.29	3/4	7,498.95	3/4	7,955.15	3/4	8,337.84	3/4	8,613.21	3/4		3/4	
6	5,266.09	6	5,867.71	6	6,448.63	6	6,999.41	6	7,509.10	6	7,964.00	6	8,344.90	6	8,617.46	6		6	
1/4	5,278.77	1/4	5,880.04	1/4	6,460.43	1/4	7,010.47	1/4	7,519.15	1/4	7,972.73	1/4	8,351.78	1/4	8,621.37	1/4		1/4	
1/2	5,291.45	1/2	5,892.37	1/2	6,472.23	1/2	7,021.52	1/2	7,529.21	1/2	7,981.45	1/2	8,358.67	1/2	8,625.27	1/2		1/2	
3/4	5,304.13	3/4	5,904.71	3/4	6,484.02	3/4	7,032.57	3/4	7,539.26	3/4	7,990.17	3/4	8,365.55	3/4	8,629.18	3/4		3/4	
7	5,316.80	7	5,917.04	7	6,495.82	7	7,043.62	7	7,549.32	7	7,998.90	7	8,372.44	7	8,633.08	7		7	
1/4	5,329.46	1/4	5,929.33	1/4	6,507.56	1/4	7,054.60	1/4	7,559.28	1/4	8,007.49	1/4	8,379.13	1/4	8,636.61	1/4		1/4	
1/2	5,342.12	1/2	5,941.62	1/2	6,519.31	1/2	7,065.58	1/2	7,569.23	1/2	8,016.08	1/2	8,385.83	1/2	8,640.14	1/2		1/2	
3/4	5,354.77	3/4	5,953.92	3/4	6,531.05	3/4	7,076.56	3/4	7,579.19	3/4	8,024.68	3/4	8,392.52	3/4	8,643.67	3/4		3/4	
8	5,367.43	8	5,966.21	8	6,542.80	8	7,087.54	8	7,589.15	8	8,033.27	8	8,399.22	8	8,647.19	8		8	
1/4	5,380.06	1/4	5,978.47	1/4	6,554.48	1/4	7,098.45	1/4	7,599.01	1/4	8,041.73	1/4	8,405.72	1/4	8,650.29	1/4		1/4	
1/2	5,392.69	1/2	5,990.72	1/2	6,566.17	1/2	7,109.35	1/2	7,608.87	1/2	8,050.19	1/2	8,412.22	1/2	8,653.39	1/2		1/2	
3/4	5,405.33	3/4	6,002.98	3/4	6,577.86	3/4	7,120.26	3/4	7,618.73	3/4	8,058.65	3/4	8,418.72	3/4	8,656.49	3/4		3/4	
9	5,417.96	9	6,015.23	9	6,589.55	9	7,131.16	9	7,628.58	9	8,067.11	9	8,425.22	9	8,659.59	9		9	
1/4	5,430.57	1/4	6,027.45	1/4	6,601.18	1/4	7,141.99	1/4	7,638.34	1/4	8,075.43	1/4	8,431.52	1/4	8,662.19	1/4		1/4	
1/2	5,443.17	1/2	6,039.66	1/2	6,612.81	1/2	7,152.82	1/2	7,648.10	1/2	8,083.76	1/2	8,437.81	1/2	8,664.79	1/2		1/2	
3/4	5,455.78	3/4	6,051.88	3/4	6,624.44	3/4	7,163.65	3/4	7,657.86	3/4	8,092.08	3/4	8,444.11	3/4	8,667.39	3/4		3/4	
10	5,468.39	10	6,064.10	10	6,636.08	10	7,174.48	10	7,667.61	10	8,100.40	10	8,450.41	10	8,669.99	10		10	
1/4	5,480.97	1/4	6,076.27	1/4	6,647.65	1/4	7,185.23	1/4	7,677.27	1/4	8,108.58	1/4	8,456.49	1/4	8,671.96	1/4		1/4	
1/2	5,493.55	1/2	6,088.45	1/2	6,659.22	1/2	7,195.98	1/2	7,686.92	1/2	8,116.77	1/2	8,462.58	1/2	8,673.93	1/2		1/2	
3/4	5,506.14	3/4	6,100.62	3/4	6,670.80	3/4	7,206.73	3/4	7,696.57	3/4	8,124.95	3/4	8,468.66	3/4	8,675.91	3/4		3/4	
11	5,518.72	11	6,112.79	11	6,682.37	11	7,217.48	11	7,706.23	11	8,133.13	11	8,474.75	11	8,677.88	11		11	
1/4	5,531.27	1/4	6,124.93	1/4	6,693.89	1/4	7,228.15	1/4	7,715.78	1/4	8,141.16	1/4	8,480.61	1/4	8,678.93	1/4		1/4	
1/2	5,543.83	1/2	6,137.06	1/2	6,705.40	1/2	7,238.82	1/2	7,725.32	1/2	8,149.20	1/2	8,486.47	1/2	8,679.99	1/2		1/2	
3/4	5,556.38	3/4	6,149.19	3/4	6,716.92	3/4	7,249.49	3/4	7,734.87	3/4	8,157.24	3/4	8,492.34	3/4	8,681.04	3/4		3/4	
														7/8	8,681.57				

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