



BARGE "KIRBY 30-01"

ULLAGE TRIM TABLE
FORMERLY: CTC_o 3000

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 5'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 233'-00"

April 3, 2020

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30-01"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 3000

GAUGE HEIGHT 18'-00"

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	2,947.82	0	2,752.46	0	2,555.90	0	2,358.46	0	2,160.84	0	1,963.21	0	1,765.59
1/4		1/4		1/4		1/4	2,943.80	1/4	2,748.36	1/4	2,551.80	1/4	2,354.34	1/4	2,156.72	1/4	1,959.10	1/4	1,761.48
1/2		1/2		1/2		1/2	2,939.79	1/2	2,744.27	1/2	2,547.71	1/2	2,350.22	1/2	2,152.60	1/2	1,954.98	1/2	1,757.36
3/4		3/4		3/4		3/4	2,935.77	3/4	2,740.17	3/4	2,543.61	3/4	2,346.11	3/4	2,148.48	3/4	1,950.86	3/4	1,753.24
1		1		1		1	2,931.76	1	2,736.08	1	2,539.52	1	2,341.99	1	2,144.37	1	1,946.75	1	1,749.13
1/4		1/4		1/4		1/4	2,927.74	1/4	2,731.98	1/4	2,535.42	1/4	2,337.87	1/4	2,140.25	1/4	1,942.63	1/4	1,745.01
1/2		1/2		1/2		1/2	2,923.73	1/2	2,727.89	1/2	2,531.33	1/2	2,333.75	1/2	2,136.13	1/2	1,938.51	1/2	1,740.89
3/4		3/4		3/4		3/4	2,919.71	3/4	2,723.79	3/4	2,527.23	3/4	2,329.64	3/4	2,132.02	3/4	1,934.40	3/4	1,736.77
2		2		2		2	2,915.70	2	2,719.70	2	2,523.14	2	2,325.52	2	2,127.90	2	1,930.28	2	1,732.66
1/4		1/4		1/4		1/4	2,911.68	1/4	2,715.60	1/4	2,519.02	1/4	2,321.40	1/4	2,123.78	1/4	1,926.16	1/4	1,728.54
1/2		1/2		1/2		1/2	2,907.67	1/2	2,711.51	1/2	2,514.91	1/2	2,317.29	1/2	2,119.66	1/2	1,922.04	1/2	1,724.42
3/4		3/4		3/4		3/4	2,903.65	3/4	2,707.41	3/4	2,510.79	3/4	2,313.17	3/4	2,115.55	3/4	1,917.93	3/4	1,720.31
3		3		3		3	2,899.64	3	2,703.32	3	2,506.67	3	2,309.05	3	2,111.43	3	1,913.81	3	1,716.19
1/4		1/4		1/4		1/4	2,895.60	1/4	2,699.22	1/4	2,502.55	1/4	2,304.93	1/4	2,107.31	1/4	1,909.69	1/4	1,712.07
1/2		1/2		1/2		1/2	2,891.57	1/2	2,695.13	1/2	2,498.44	1/2	2,300.82	1/2	2,103.20	1/2	1,905.58	1/2	1,707.95
3/4		3/4		3/4		3/4	2,887.53	3/4	2,691.03	3/4	2,494.32	3/4	2,296.70	3/4	2,099.08	3/4	1,901.46	3/4	1,703.84
4		4		4		4	2,883.50	4	2,686.94	4	2,490.20	4	2,292.58	4	2,094.96	4	1,897.34	4	1,699.72
1/4		1/4		1/4		1/4	2,879.40	1/4	2,682.84	1/4	2,486.09	1/4	2,288.47	1/4	2,090.84	1/4	1,893.22	1/4	1,695.60
1/2		1/2		1/2		1/2	2,875.31	1/2	2,678.75	1/2	2,481.97	1/2	2,284.35	1/2	2,086.73	1/2	1,889.11	1/2	1,691.49
3/4		3/4		3/4		3/4	2,871.21	3/4	2,674.65	3/4	2,477.85	3/4	2,280.23	3/4	2,082.61	3/4	1,884.99	3/4	1,687.37
5		5		5		5	2,867.12	5	2,670.56	5	2,473.74	5	2,276.11	5	2,078.49	5	1,880.87	5	1,683.25
1/4		1/4		1/4		1/4	2,863.02	1/4	2,666.46	1/4	2,469.62	1/4	2,272.00	1/4	2,074.38	1/4	1,876.76	1/4	1,679.13
1/2		1/2		1/2		1/2	2,858.93	1/2	2,662.37	1/2	2,465.50	1/2	2,267.88	1/2	2,070.26	1/2	1,872.64	1/2	1,675.02
3/4		3/4		3/4		3/4	2,854.83	3/4	2,658.27	3/4	2,461.38	3/4	2,263.76	3/4	2,066.14	3/4	1,868.52	3/4	1,670.90
6		6		6		6	2,850.74	6	2,654.18	6	2,457.27	6	2,259.65	6	2,062.03	6	1,864.40	6	1,666.78
1/4		1/4		1/4		1/4	2,846.64	1/4	2,650.08	1/4	2,453.15	1/4	2,255.53	1/4	2,057.91	1/4	1,860.29	1/4	1,662.67
1/2		1/2		1/2		1/2	2,842.55	1/2	2,645.99	1/2	2,449.03	1/2	2,251.41	1/2	2,053.79	1/2	1,856.17	1/2	1,658.55
3/4		3/4		3/4		3/4	2,838.45	3/4	2,641.89	3/4	2,444.92	3/4	2,247.29	3/4	2,049.67	3/4	1,852.05	3/4	1,654.43
7		7		7	3,019.20	7	2,834.36	7	2,637.80	7	2,440.80	7	2,243.18	7	2,045.56	7	1,847.94	7	1,650.32
1/4		1/4		1/4	3,016.90	1/4	2,830.26	1/4	2,633.70	1/4	2,436.68	1/4	2,239.06	1/4	2,041.44	1/4	1,843.82	1/4	1,646.20
1/2		1/2		1/2	3,014.60	1/2	2,826.17	1/2	2,629.61	1/2	2,432.56	1/2	2,234.94	1/2	2,037.32	1/2	1,839.70	1/2	1,642.08
3/4		3/4		3/4	3,012.30	3/4	2,822.07	3/4	2,625.51	3/4	2,428.45	3/4	2,230.83	3/4	2,033.21	3/4	1,835.58	3/4	1,637.96
8		8		8	3,010.00	8	2,817.98	8	2,621.42	8	2,424.33	8	2,226.71	8	2,029.09	8	1,831.47	8	1,633.85
1/4		1/4		1/4	3,006.50	1/4	2,813.88	1/4	2,617.32	1/4	2,420.21	1/4	2,222.59	1/4	2,024.97	1/4	1,827.35	1/4	1,629.73
1/2		1/2		1/2	3,003.00	1/2	2,809.79	1/2	2,613.23	1/2	2,416.10	1/2	2,218.48	1/2	2,020.85	1/2	1,823.23	1/2	1,625.61
3/4		3/4		3/4	2,999.50	3/4	2,805.69	3/4	2,609.13	3/4	2,411.98	3/4	2,214.36	3/4	2,016.74	3/4	1,819.12	3/4	1,621.50
9		9		9	2,996.00	9	2,801.60	9	2,605.04	9	2,407.86	9	2,210.24	9	2,012.62	9	1,815.00	9	1,617.38
1/4		1/4		1/4	2,991.98	1/4	2,797.50	1/4	2,600.94	1/4	2,403.74	1/4	2,206.12	1/4	2,008.50	1/4	1,810.88	1/4	1,613.26
1/2		1/2		1/2	2,987.97	1/2	2,793.41	1/2	2,596.85	1/2	2,399.63	1/2	2,202.01	1/2	2,004.39	1/2	1,806.77	1/2	1,609.14
3/4		3/4		3/4	2,983.95	3/4	2,789.31	3/4	2,592.75	3/4	2,395.51	3/4	2,197.89	3/4	2,000.27	3/4	1,802.65	3/4	1,605.03
10		10		10	2,979.94	10	2,785.22	10	2,588.66	10	2,391.39	10	2,193.77	10	1,996.15	10	1,798.53	10	1,600.91
1/4		1/4		1/4	2,975.92	1/4	2,781.12	1/4	2,584.56	1/4	2,387.28	1/4	2,189.66	1/4	1,992.03	1/4	1,794.41	1/4	1,596.79
1/2		1/2		1/2	2,971.91	1/2	2,777.03	1/2	2,580.47	1/2	2,383.16	1/2	2,185.54	1/2	1,987.92	1/2	1,790.30	1/2	1,592.68
3/4		3/4		3/4	2,967.89	3/4	2,772.93	3/4	2,576.37	3/4	2,379.04	3/4	2,181.42	3/4	1,983.80	3/4	1,786.18	3/4	1,588.56
11		11		11	2,963.88	11	2,768.84	11	2,572.28	11	2,374.92	11	2,177.30	11	1,979.68	11	1,782.06	11	1,584.44
1/4		1/4		1/4	2,959.86	1/4	2,764.74	1/4	2,568.18	1/4	2,370.81	1/4	2,173.19	1/4	1,975.57	1/4	1,777.95	1/4	1,580.32
1/2		1/2		1/2	2,955.85	1/2	2,760.65	1/2	2,564.09	1/2	2,366.69	1/2	2,169.07	1/2	1,971.45	1/2	1,773.83	1/2	1,576.21
3/4		3/4		3/4	2,951.83	3/4	2,756.55	3/4	2,559.99	3/4	2,362.57	3/4	2,164.95	3/4	1,967.33	3/4	1,769.71	3/4	1,572.09

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 WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 30-01"

1 PORT
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 18'-00"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTC Co 3000

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	1,567.97	0	1,370.35	0	1,172.73	0	975.11	0	777.49	0	579.87	0	382.42	0	193.90	0	7.10	0	
1/4	1,563.86	1/4	1,366.24	1/4	1,168.61	1/4	970.99	1/4	773.37	1/4	575.75	1/4	378.48	1/4	189.78	1/4		1/4	
1/2	1,559.74	1/2	1,362.12	1/2	1,164.50	1/2	966.88	1/2	769.26	1/2	571.64	1/2	374.54	1/2	185.67	1/2		1/2	
3/4	1,555.62	3/4	1,358.00	3/4	1,160.38	3/4	962.76	3/4	765.14	3/4	567.52	3/4	370.59	3/4	181.55	3/4		3/4	
1	1,551.50	1	1,353.88	1	1,156.26	1	958.64	1	761.02	1	563.40	1	366.65	1	177.43	1		1	
1/4	1,547.39	1/4	1,349.77	1/4	1,152.15	1/4	954.53	1/4	756.90	1/4	559.28	1/4	362.73	1/4	173.32	1/4		1/4	
1/2	1,543.27	1/2	1,345.65	1/2	1,148.03	1/2	950.41	1/2	752.79	1/2	555.17	1/2	358.81	1/2	169.20	1/2		1/2	
3/4	1,539.15	3/4	1,341.53	3/4	1,143.91	3/4	946.29	3/4	748.67	3/4	551.05	3/4	354.88	3/4	165.08	3/4		3/4	
2	1,535.04	2	1,337.42	2	1,139.79	2	942.17	2	744.55	2	546.93	2	350.96	2	160.97	2		2	
1/4	1,530.92	1/4	1,333.30	1/4	1,135.68	1/4	938.06	1/4	740.44	1/4	542.82	1/4	347.04	1/4	156.85	1/4		1/4	
1/2	1,526.80	1/2	1,329.18	1/2	1,131.56	1/2	933.94	1/2	736.32	1/2	538.70	1/2	343.12	1/2	152.73	1/2		1/2	
3/4	1,522.69	3/4	1,325.06	3/4	1,127.44	3/4	929.82	3/4	732.20	3/4	534.58	3/4	339.21	3/4	148.62	3/4		3/4	
3	1,518.57	3	1,320.95	3	1,123.33	3	925.71	3	728.08	3	530.46	3	335.29	3	144.50	3		3	
1/4	1,514.45	1/4	1,316.83	1/4	1,119.21	1/4	921.59	1/4	723.97	1/4	526.35	1/4	331.37	1/4	140.38	1/4		1/4	
1/2	1,510.33	1/2	1,312.71	1/2	1,115.09	1/2	917.47	1/2	719.85	1/2	522.23	1/2	327.45	1/2	136.27	1/2		1/2	
3/4	1,506.22	3/4	1,308.60	3/4	1,110.98	3/4	913.35	3/4	715.73	3/4	518.11	3/4	323.53	3/4	132.15	3/4		3/4	
4	1,502.10	4	1,304.48	4	1,106.86	4	909.24	4	711.62	4	514.00	4	319.62	4	128.03	4		4	
1/4	1,497.98	1/4	1,300.36	1/4	1,102.74	1/4	905.12	1/4	707.50	1/4	509.88	1/4	315.70	1/4	123.92	1/4		1/4	
1/2	1,493.87	1/2	1,296.24	1/2	1,098.62	1/2	901.00	1/2	703.38	1/2	505.76	1/2	311.78	1/2	119.80	1/2		1/2	
3/4	1,489.75	3/4	1,292.13	3/4	1,094.51	3/4	896.89	3/4	699.27	3/4	501.64	3/4	307.86	3/4	115.68	3/4		3/4	
5	1,485.63	5	1,288.01	5	1,090.39	5	892.77	5	695.15	5	497.53	5	303.94	5	111.57	5		5	
1/4	1,481.51	1/4	1,283.89	1/4	1,086.27	1/4	888.65	1/4	691.03	1/4	493.41	1/4	300.03	1/4	107.45	1/4		1/4	
1/2	1,477.40	1/2	1,279.78	1/2	1,082.16	1/2	884.53	1/2	686.91	1/2	489.29	1/2	296.11	1/2	103.33	1/2		1/2	
3/4	1,473.28	3/4	1,275.66	3/4	1,078.04	3/4	880.42	3/4	682.80	3/4	485.18	3/4	292.19	3/4	99.22	3/4		3/4	
6	1,469.16	6	1,271.54	6	1,073.92	6	876.30	6	678.68	6	481.06	6	288.27	6	95.10	6		6	
1/4	1,465.05	1/4	1,267.42	1/4	1,069.80	1/4	872.18	1/4	674.56	1/4	476.94	1/4	284.36	1/4	90.98	1/4		1/4	
1/2	1,460.93	1/2	1,263.31	1/2	1,065.69	1/2	868.07	1/2	670.45	1/2	472.82	1/2	280.44	1/2	86.86	1/2		1/2	
3/4	1,456.81	3/4	1,259.19	3/4	1,061.57	3/4	863.95	3/4	666.33	3/4	468.71	3/4	276.52	3/4	82.75	3/4		3/4	
7	1,452.69	7	1,255.07	7	1,057.45	7	859.83	7	662.21	7	464.59	7	272.60	7	78.63	7		7	
1/4	1,448.58	1/4	1,250.96	1/4	1,053.34	1/4	855.71	1/4	658.09	1/4	460.47	1/4	268.68	1/4	74.51	1/4		1/4	
1/2	1,444.46	1/2	1,246.84	1/2	1,049.22	1/2	851.60	1/2	653.98	1/2	456.36	1/2	264.77	1/2	70.40	1/2		1/2	
3/4	1,440.34	3/4	1,242.72	3/4	1,045.10	3/4	847.48	3/4	649.86	3/4	452.24	3/4	260.85	3/4	66.28	3/4		3/4	
8	1,436.23	8	1,238.61	8	1,040.98	8	843.36	8	645.74	8	448.12	8	256.93	8	62.16	8		8	
1/4	1,432.11	1/4	1,234.49	1/4	1,036.87	1/4	839.25	1/4	641.63	1/4	444.00	1/4	253.01	1/4	58.05	1/4		1/4	
1/2	1,427.99	1/2	1,230.37	1/2	1,032.75	1/2	835.13	1/2	637.51	1/2	439.89	1/2	249.10	1/2	53.93	1/2		1/2	
3/4	1,423.87	3/4	1,226.25	3/4	1,028.63	3/4	831.01	3/4	633.39	3/4	435.77	3/4	245.18	3/4	49.81	3/4		3/4	
9	1,419.76	9	1,222.14	9	1,024.52	9	826.90	9	629.27	9	431.65	9	241.26	9	45.70	9		9	
1/4	1,415.64	1/4	1,218.02	1/4	1,020.40	1/4	822.78	1/4	625.16	1/4	427.54	1/4	237.34	1/4	41.71	1/4		1/4	
1/2	1,411.52	1/2	1,213.90	1/2	1,016.28	1/2	818.66	1/2	621.04	1/2	423.42	1/2	233.42	1/2	37.72	1/2		1/2	
3/4	1,407.41	3/4	1,209.79	3/4	1,012.16	3/4	814.54	3/4	616.92	3/4	419.30	3/4	229.50	3/4	33.73	3/4		3/4	
10	1,403.29	10	1,205.67	10	1,008.05	10	810.43	10	612.81	10	415.19	10	225.58	10	29.74	10		10	
1/4	1,399.17	1/4	1,201.55	1/4	1,003.93	1/4	806.31	1/4	608.69	1/4	411.07	1/4	221.65	1/4	26.40	1/4		1/4	
1/2	1,395.06	1/2	1,197.43	1/2	999.81	1/2	802.19	1/2	604.57	1/2	406.95	1/2	217.72	1/2	23.05	1/2		1/2	
3/4	1,390.94	3/4	1,193.32	3/4	995.70	3/4	798.08	3/4	600.45	3/4	402.83	3/4	213.79	3/4	19.71	3/4		3/4	
11	1,386.82	11	1,189.20	11	991.58	11	793.96	11	596.34	11	398.72	11	209.86	11	16.36	11		11	
1/4	1,382.70	1/4	1,185.08	1/4	987.46	1/4	789.84	1/4	592.22	1/4	394.64	1/4	205.87	1/4	14.05	1/4		1/4	
1/2	1,378.59	1/2	1,180.97	1/2	983.35	1/2	785.72	1/2	588.10	1/2	390.57	1/2	201.88	1/2	11.73	1/2		1/2	
3/4	1,374.47	3/4	1,176.85	3/4	979.23	3/4	781.61	3/4	583.99	3/4	386.49	3/4	197.89	3/4	9.42	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2014 CL
 RECALCULATED: 04/03/2020 CL
 REPRINTED: 04/03/2020 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2020

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



BARGE "KIRBY 30-01"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 3000

GAUGE HEIGHT 18'-00"

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	2,945.91	0	2,750.73	0	2,554.34	0	2,357.07	0	2,159.62	0	1,962.18	0	1,764.74
1/4		1/4		1/4		1/4	2,941.90	1/4	2,746.64	1/4	2,550.25	1/4	2,352.95	1/4	2,155.51	1/4	1,958.07	1/4	1,760.62
1/2		1/2		1/2		1/2	2,937.89	1/2	2,742.55	1/2	2,546.16	1/2	2,348.84	1/2	2,151.40	1/2	1,953.95	1/2	1,756.51
3/4		3/4		3/4		3/4	2,933.88	3/4	2,738.46	3/4	2,542.07	3/4	2,344.73	3/4	2,147.28	3/4	1,949.84	3/4	1,752.40
1		1		1		1	2,929.87	1	2,734.36	1	2,537.98	1	2,340.61	1	2,143.17	1	1,945.73	1	1,748.28
1/4		1/4		1/4		1/4	2,925.85	1/4	2,730.27	1/4	2,533.88	1/4	2,336.50	1/4	2,139.06	1/4	1,941.61	1/4	1,744.17
1/2		1/2		1/2		1/2	2,921.84	1/2	2,726.18	1/2	2,529.79	1/2	2,332.39	1/2	2,134.94	1/2	1,937.50	1/2	1,740.06
3/4		3/4		3/4		3/4	2,917.83	3/4	2,722.09	3/4	2,525.70	3/4	2,328.27	3/4	2,130.83	3/4	1,933.39	3/4	1,735.94
2		2		2		2	2,913.82	2	2,718.00	2	2,521.60	2	2,324.16	2	2,126.72	2	1,929.27	2	1,731.83
1/4		1/4		1/4		1/4	2,909.81	1/4	2,713.91	1/4	2,517.49	1/4	2,320.05	1/4	2,122.60	1/4	1,925.16	1/4	1,727.72
1/2		1/2		1/2		1/2	2,905.80	1/2	2,709.82	1/2	2,513.38	1/2	2,315.93	1/2	2,118.49	1/2	1,921.05	1/2	1,723.60
3/4		3/4		3/4		3/4	2,901.79	3/4	2,705.72	3/4	2,509.26	3/4	2,311.82	3/4	2,114.38	3/4	1,916.93	3/4	1,719.49
3		3		3		3	2,897.78	3	2,701.63	3	2,505.15	3	2,307.71	3	2,110.26	3	1,912.82	3	1,715.38
1/4		1/4		1/4		1/4	2,893.75	1/4	2,697.54	1/4	2,501.04	1/4	2,303.59	1/4	2,106.15	1/4	1,908.71	1/4	1,711.26
1/2		1/2		1/2		1/2	2,889.72	1/2	2,693.45	1/2	2,496.92	1/2	2,299.48	1/2	2,102.04	1/2	1,904.59	1/2	1,707.15
3/4		3/4		3/4		3/4	2,885.68	3/4	2,689.36	3/4	2,492.81	3/4	2,295.37	3/4	2,097.92	3/4	1,900.48	3/4	1,703.04
4		4		4		4	2,881.65	4	2,685.27	4	2,488.70	4	2,291.25	4	2,093.81	4	1,896.37	4	1,698.92
1/4		1/4		1/4		1/4	2,877.56	1/4	2,681.18	1/4	2,484.58	1/4	2,287.14	1/4	2,089.70	1/4	1,892.25	1/4	1,694.81
1/2		1/2		1/2		1/2	2,873.47	1/2	2,677.08	1/2	2,480.47	1/2	2,283.03	1/2	2,085.58	1/2	1,888.14	1/2	1,690.70
3/4		3/4		3/4		3/4	2,869.38	3/4	2,672.99	3/4	2,476.36	3/4	2,278.91	3/4	2,081.47	3/4	1,884.03	3/4	1,686.58
5		5		5		5	2,865.29	5	2,668.90	5	2,472.24	5	2,274.80	5	2,077.36	5	1,879.91	5	1,682.47
1/4		1/4		1/4		1/4	2,861.20	1/4	2,664.81	1/4	2,468.13	1/4	2,270.69	1/4	2,073.24	1/4	1,875.80	1/4	1,678.36
1/2		1/2		1/2		1/2	2,857.11	1/2	2,660.72	1/2	2,464.01	1/2	2,266.57	1/2	2,069.13	1/2	1,871.69	1/2	1,674.24
3/4		3/4		3/4		3/4	2,853.01	3/4	2,656.63	3/4	2,459.90	3/4	2,262.46	3/4	2,065.01	3/4	1,867.57	3/4	1,670.13
6		6		6		6	2,848.92	6	2,652.54	6	2,455.79	6	2,258.34	6	2,060.90	6	1,863.46	6	1,666.02
1/4		1/4		1/4		1/4	2,844.83	1/4	2,648.44	1/4	2,451.67	1/4	2,254.23	1/4	2,056.79	1/4	1,859.34	1/4	1,661.90
1/2		1/2		1/2		1/2	2,840.74	1/2	2,644.35	1/2	2,447.56	1/2	2,250.12	1/2	2,052.67	1/2	1,855.23	1/2	1,657.79
3/4		3/4		3/4		3/4	2,836.65	3/4	2,640.26	3/4	2,443.45	3/4	2,246.00	3/4	2,048.56	3/4	1,851.12	3/4	1,653.68
7		7		7	3,017.22	7	2,832.56	7	2,636.17	7	2,439.33	7	2,241.89	7	2,044.45	7	1,847.00	7	1,649.56
1/4		1/4		1/4	3,014.92	1/4	2,828.47	1/4	2,632.08	1/4	2,435.22	1/4	2,237.78	1/4	2,040.33	1/4	1,842.89	1/4	1,645.45
1/2		1/2		1/2	3,012.63	1/2	2,824.37	1/2	2,627.99	1/2	2,431.11	1/2	2,233.66	1/2	2,036.22	1/2	1,838.78	1/2	1,641.33
3/4		3/4		3/4	3,010.33	3/4	2,820.28	3/4	2,623.90	3/4	2,426.99	3/4	2,229.55	3/4	2,032.11	3/4	1,834.66	3/4	1,637.22
8		8		8	3,008.03	8	2,816.19	8	2,619.80	8	2,422.88	8	2,225.44	8	2,027.99	8	1,830.55	8	1,633.11
1/4		1/4		1/4	3,004.54	1/4	2,812.10	1/4	2,615.71	1/4	2,418.77	1/4	2,221.32	1/4	2,023.88	1/4	1,826.44	1/4	1,628.99
1/2		1/2		1/2	3,001.04	1/2	2,808.01	1/2	2,611.62	1/2	2,414.65	1/2	2,217.21	1/2	2,019.77	1/2	1,822.32	1/2	1,624.88
3/4		3/4		3/4	2,997.54	3/4	2,803.92	3/4	2,607.53	3/4	2,410.54	3/4	2,213.10	3/4	2,015.65	3/4	1,818.21	3/4	1,620.77
9		9		9	2,994.05	9	2,799.83	9	2,603.44	9	2,406.43	9	2,208.98	9	2,011.54	9	1,814.10	9	1,616.65
1/4		1/4		1/4	2,990.04	1/4	2,795.74	1/4	2,599.35	1/4	2,402.31	1/4	2,204.87	1/4	2,007.43	1/4	1,809.98	1/4	1,612.54
1/2		1/2		1/2	2,986.02	1/2	2,791.64	1/2	2,595.26	1/2	2,398.20	1/2	2,200.76	1/2	2,003.31	1/2	1,805.87	1/2	1,608.43
3/4		3/4		3/4	2,982.01	3/4	2,787.55	3/4	2,591.17	3/4	2,394.09	3/4	2,196.64	3/4	1,999.20	3/4	1,801.76	3/4	1,604.31
10		10		10	2,978.00	10	2,783.46	10	2,587.07	10	2,389.97	10	2,192.53	10	1,995.09	10	1,797.64	10	1,600.20
1/4		1/4		1/4	2,973.99	1/4	2,779.37	1/4	2,582.98	1/4	2,385.86	1/4	2,188.42	1/4	1,990.97	1/4	1,793.53	1/4	1,596.09
1/2		1/2		1/2	2,969.98	1/2	2,775.28	1/2	2,578.89	1/2	2,381.75	1/2	2,184.30	1/2	1,986.86	1/2	1,789.42	1/2	1,591.97
3/4		3/4		3/4	2,965.97	3/4	2,771.19	3/4	2,574.80	3/4	2,377.63	3/4	2,180.19	3/4	1,982.75	3/4	1,785.30	3/4	1,587.86
11		11		11	2,961.96	11	2,767.10	11	2,570.71	11	2,373.52	11	2,176.08	11	1,978.63	11	1,781.19	11	1,583.75
1/4		1/4		1/4	2,957.95	1/4	2,763.00	1/4	2,566.62	1/4	2,369.41	1/4	2,171.96	1/4	1,974.52	1/4	1,777.08	1/4	1,579.63
1/2		1/2		1/2	2,953.93	1/2	2,758.91	1/2	2,562.53	1/2	2,365.29	1/2	2,167.85	1/2	1,970.41	1/2	1,772.96	1/2	1,575.52
3/4		3/4		3/4	2,949.92	3/4	2,754.82	3/4	2,558.43	3/4	2,361.18	3/4	2,163.74	3/4	1,966.29	3/4	1,768.85	3/4	1,571.41

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 WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 30-01"

1 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 18'-00"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTC Co 3000

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	1,567.29	0	1,369.85	0	1,172.41	0	974.96	0	777.52	0	580.08	0	382.80	0	193.73	0	7.10	0	
1/4	1,563.18	1/4	1,365.74	1/4	1,168.29	1/4	970.85	1/4	773.41	1/4	575.96	1/4	378.86	1/4	189.61	1/4		1/4	
1/2	1,559.07	1/2	1,361.62	1/2	1,164.18	1/2	966.74	1/2	769.29	1/2	571.85	1/2	374.92	1/2	185.50	1/2		1/2	
3/4	1,554.95	3/4	1,357.51	3/4	1,160.07	3/4	962.62	3/4	765.18	3/4	567.74	3/4	370.97	3/4	181.39	3/4		3/4	
1	1,550.84	1	1,353.40	1	1,155.95	1	958.51	1	761.07	1	563.62	1	367.03	1	177.28	1		1	
1/4	1,546.73	1/4	1,349.28	1/4	1,151.84	1/4	954.40	1/4	756.95	1/4	559.51	1/4	363.09	1/4	173.16	1/4		1/4	
1/2	1,542.61	1/2	1,345.17	1/2	1,147.73	1/2	950.28	1/2	752.84	1/2	555.40	1/2	359.15	1/2	169.05	1/2		1/2	
3/4	1,538.50	3/4	1,341.06	3/4	1,143.61	3/4	946.17	3/4	748.73	3/4	551.28	3/4	355.21	3/4	164.94	3/4		3/4	
2	1,534.39	2	1,336.94	2	1,139.50	2	942.06	2	744.61	2	547.17	2	351.27	2	160.82	2		2	
1/4	1,530.27	1/4	1,332.83	1/4	1,135.39	1/4	937.94	1/4	740.50	1/4	543.06	1/4	347.34	1/4	156.71	1/4		1/4	
1/2	1,526.16	1/2	1,328.72	1/2	1,131.27	1/2	933.83	1/2	736.39	1/2	538.94	1/2	343.40	1/2	152.60	1/2		1/2	
3/4	1,522.05	3/4	1,324.60	3/4	1,127.16	3/4	929.72	3/4	732.27	3/4	534.83	3/4	339.47	3/4	148.48	3/4		3/4	
3	1,517.93	3	1,320.49	3	1,123.05	3	925.60	3	728.16	3	530.72	3	335.54	3	144.37	3		3	
1/4	1,513.82	1/4	1,316.38	1/4	1,118.93	1/4	921.49	1/4	724.05	1/4	526.60	1/4	331.61	1/4	140.26	1/4		1/4	
1/2	1,509.71	1/2	1,312.26	1/2	1,114.82	1/2	917.38	1/2	719.93	1/2	522.49	1/2	327.68	1/2	136.14	1/2		1/2	
3/4	1,505.59	3/4	1,308.15	3/4	1,110.71	3/4	913.26	3/4	715.82	3/4	518.38	3/4	323.75	3/4	132.03	3/4		3/4	
4	1,501.48	4	1,304.04	4	1,106.59	4	909.15	4	711.71	4	514.26	4	319.81	4	127.92	4		4	
1/4	1,497.37	1/4	1,299.92	1/4	1,102.48	1/4	905.04	1/4	707.59	1/4	510.15	1/4	315.88	1/4	123.81	1/4		1/4	
1/2	1,493.25	1/2	1,295.81	1/2	1,098.37	1/2	900.92	1/2	703.48	1/2	506.04	1/2	311.95	1/2	119.69	1/2		1/2	
3/4	1,489.14	3/4	1,291.70	3/4	1,094.25	3/4	896.81	3/4	699.37	3/4	501.92	3/4	308.02	3/4	115.58	3/4		3/4	
5	1,485.03	5	1,287.58	5	1,090.14	5	892.70	5	695.25	5	497.81	5	304.09	5	111.47	5		5	
1/4	1,480.91	1/4	1,283.47	1/4	1,086.03	1/4	888.58	1/4	691.14	1/4	493.70	1/4	300.16	1/4	107.35	1/4		1/4	
1/2	1,476.80	1/2	1,279.36	1/2	1,081.91	1/2	884.47	1/2	687.03	1/2	489.58	1/2	296.23	1/2	103.24	1/2		1/2	
3/4	1,472.69	3/4	1,275.24	3/4	1,077.80	3/4	880.36	3/4	682.91	3/4	485.47	3/4	292.29	3/4	99.13	3/4		3/4	
6	1,468.57	6	1,271.13	6	1,073.69	6	876.24	6	678.80	6	481.36	6	288.36	6	95.01	6		6	
1/4	1,464.46	1/4	1,267.02	1/4	1,069.57	1/4	872.13	1/4	674.69	1/4	477.24	1/4	284.43	1/4	90.90	1/4		1/4	
1/2	1,460.35	1/2	1,262.90	1/2	1,065.46	1/2	868.02	1/2	670.57	1/2	473.13	1/2	280.50	1/2	86.79	1/2		1/2	
3/4	1,456.23	3/4	1,258.79	3/4	1,061.35	3/4	863.90	3/4	666.46	3/4	469.02	3/4	276.57	3/4	82.67	3/4		3/4	
7	1,452.12	7	1,254.68	7	1,057.23	7	859.79	7	662.35	7	464.90	7	272.64	7	78.56	7		7	
1/4	1,448.01	1/4	1,250.56	1/4	1,053.12	1/4	855.68	1/4	658.23	1/4	460.79	1/4	268.71	1/4	74.45	1/4		1/4	
1/2	1,443.89	1/2	1,246.45	1/2	1,049.01	1/2	851.56	1/2	654.12	1/2	456.68	1/2	264.77	1/2	70.34	1/2		1/2	
3/4	1,439.78	3/4	1,242.34	3/4	1,044.89	3/4	847.45	3/4	650.01	3/4	452.56	3/4	260.84	3/4	66.22	3/4		3/4	
8	1,435.66	8	1,238.22	8	1,040.78	8	843.34	8	645.89	8	448.45	8	256.91	8	62.11	8		8	
1/4	1,431.55	1/4	1,234.11	1/4	1,036.67	1/4	839.22	1/4	641.78	1/4	444.34	1/4	252.98	1/4	58.00	1/4		1/4	
1/2	1,427.44	1/2	1,229.99	1/2	1,032.55	1/2	835.11	1/2	637.67	1/2	440.22	1/2	249.05	1/2	53.88	1/2		1/2	
3/4	1,423.32	3/4	1,225.88	3/4	1,028.44	3/4	831.00	3/4	633.55	3/4	436.11	3/4	245.12	3/4	49.77	3/4		3/4	
9	1,419.21	9	1,221.77	9	1,024.32	9	826.88	9	629.44	9	432.00	9	241.18	9	45.66	9		9	
1/4	1,415.10	1/4	1,217.65	1/4	1,020.21	1/4	822.77	1/4	625.33	1/4	427.88	1/4	237.25	1/4	41.67	1/4		1/4	
1/2	1,410.98	1/2	1,213.54	1/2	1,016.10	1/2	818.65	1/2	621.21	1/2	423.77	1/2	233.32	1/2	37.69	1/2		1/2	
3/4	1,406.87	3/4	1,209.43	3/4	1,011.98	3/4	814.54	3/4	617.10	3/4	419.66	3/4	229.38	3/4	33.70	3/4		3/4	
10	1,402.76	10	1,205.31	10	1,007.87	10	810.43	10	612.98	10	415.54	10	225.45	10	29.72	10		10	
1/4	1,398.64	1/4	1,201.20	1/4	1,003.76	1/4	806.31	1/4	608.87	1/4	411.43	1/4	221.50	1/4	26.38	1/4		1/4	
1/2	1,394.53	1/2	1,197.09	1/2	999.64	1/2	802.20	1/2	604.76	1/2	407.31	1/2	217.56	1/2	23.03	1/2		1/2	
3/4	1,390.42	3/4	1,192.97	3/4	995.53	3/4	798.09	3/4	600.64	3/4	403.20	3/4	213.62	3/4	19.69	3/4		3/4	
11	1,386.30	11	1,188.86	11	991.42	11	793.97	11	596.53	11	399.09	11	209.67	11	16.35	11		11	
1/4	1,382.19	1/4	1,184.75	1/4	987.30	1/4	789.86	1/4	592.42	1/4	395.02	1/4	205.69	1/4	14.04	1/4		1/4	
1/2	1,378.08	1/2	1,180.63	1/2	983.19	1/2	785.75	1/2	588.30	1/2	390.95	1/2	201.70	1/2	11.72	1/2		1/2	
3/4	1,373.96	3/4	1,176.52	3/4	979.08	3/4	781.63	3/4	584.19	3/4	386.88	3/4	197.71	3/4	9.41	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2014 CL
RECALCULATED: 04/03/2020 CL
REPRINTED: 04/03/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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



BARGE "KIRBY 30-01"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 3000

GAUGE HEIGHT 17'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	2,931.96	0	2,737.01	0	2,541.02	0	2,344.09	0	2,147.04	0	1,950.00	0	1,752.95
1/4		1/4		1/4		1/4	2,927.95	1/4	2,732.93	1/4	2,536.94	1/4	2,339.98	1/4	2,142.94	1/4	1,945.89	1/4	1,748.85
1/2		1/2		1/2		1/2	2,923.95	1/2	2,728.84	1/2	2,532.85	1/2	2,335.88	1/2	2,138.83	1/2	1,941.79	1/2	1,744.74
3/4		3/4		3/4		3/4	2,919.95	3/4	2,724.76	3/4	2,528.77	3/4	2,331.77	3/4	2,134.73	3/4	1,937.68	3/4	1,740.64
1	1	1	1	1	1	1	2,915.94	1	2,720.68	1	2,524.68	1	2,327.67	1	2,130.62	1	1,933.58	1	1,736.53
1/4		1/4		1/4		1/4	2,911.94	1/4	2,716.59	1/4	2,520.59	1/4	2,323.56	1/4	2,126.52	1/4	1,929.47	1/4	1,732.43
1/2		1/2		1/2		1/2	2,907.94	1/2	2,712.51	1/2	2,516.50	1/2	2,319.46	1/2	2,122.41	1/2	1,925.37	1/2	1,728.32
3/4		3/4		3/4		3/4	2,903.93	3/4	2,708.43	3/4	2,512.40	3/4	2,315.35	3/4	2,118.31	3/4	1,921.26	3/4	1,724.22
2	2	2	2	2	2	2	2,899.93	2	2,704.34	2	2,508.29	2	2,311.25	2	2,114.20	2	1,917.16	2	1,720.11
1/4		1/4		1/4		1/4	2,895.93	1/4	2,700.26	1/4	2,504.18	1/4	2,307.14	1/4	2,110.10	1/4	1,913.05	1/4	1,716.01
1/2		1/2		1/2		1/2	2,891.93	1/2	2,696.18	1/2	2,500.08	1/2	2,303.04	1/2	2,105.99	1/2	1,908.95	1/2	1,711.90
3/4		3/4		3/4		3/4	2,887.90	3/4	2,692.10	3/4	2,495.97	3/4	2,298.93	3/4	2,101.89	3/4	1,904.84	3/4	1,707.80
3	3	3	3	3	3	3	2,883.88	3	2,688.01	3	2,491.87	3	2,294.82	3	2,097.78	3	1,900.74	3	1,703.69
1/4		1/4		1/4		1/4	2,879.86	1/4	2,683.93	1/4	2,487.76	1/4	2,290.72	1/4	2,093.67	1/4	1,896.63	1/4	1,699.59
1/2		1/2		1/2		1/2	2,875.84	1/2	2,679.85	1/2	2,483.66	1/2	2,286.61	1/2	2,089.57	1/2	1,892.52	1/2	1,695.48
3/4		3/4		3/4		3/4	2,871.75	3/4	2,675.76	3/4	2,479.55	3/4	2,282.51	3/4	2,085.46	3/4	1,888.42	3/4	1,691.38
4	4	4	4	4	4	4	2,867.67	4	2,671.68	4	2,475.45	4	2,278.40	4	2,081.36	4	1,884.31	4	1,687.27
1/4		1/4		1/4		1/4	2,863.59	1/4	2,667.60	1/4	2,471.34	1/4	2,274.30	1/4	2,077.25	1/4	1,880.21	1/4	1,683.16
1/2		1/2		1/2		1/2	2,859.50	1/2	2,663.51	1/2	2,467.24	1/2	2,270.19	1/2	2,073.15	1/2	1,876.10	1/2	1,679.06
3/4		3/4		3/4		3/4	2,855.42	3/4	2,659.43	3/4	2,463.13	3/4	2,266.09	3/4	2,069.04	3/4	1,872.00	3/4	1,674.95
5	5	5	5	5	5	5	2,851.34	5	2,655.35	5	2,459.03	5	2,261.98	5	2,064.94	5	1,867.89	5	1,670.85
1/4		1/4		1/4		1/4	2,847.25	1/4	2,651.26	1/4	2,454.92	1/4	2,257.88	1/4	2,060.83	1/4	1,863.79	1/4	1,666.74
1/2		1/2		1/2		1/2	2,843.17	1/2	2,647.18	1/2	2,450.82	1/2	2,253.77	1/2	2,056.73	1/2	1,859.68	1/2	1,662.64
3/4		3/4		3/4		3/4	2,839.09	3/4	2,643.10	3/4	2,446.71	3/4	2,249.67	3/4	2,052.62	3/4	1,855.58	3/4	1,658.53
6	6	6	6	6	6	6	2,835.00	6	2,639.02	6	2,442.61	6	2,245.56	6	2,048.52	6	1,851.47	6	1,654.43
1/4		1/4		1/4		1/4	2,830.92	1/4	2,634.93	1/4	2,438.50	1/4	2,241.46	1/4	2,044.41	1/4	1,847.37	1/4	1,650.32
1/2		1/2		1/2	3,011.13	1/2	2,826.84	1/2	2,630.85	1/2	2,434.40	1/2	2,237.35	1/2	2,040.31	1/2	1,843.26	1/2	1,646.22
3/4		3/4		3/4	3,008.83	3/4	2,822.75	3/4	2,626.77	3/4	2,430.29	3/4	2,233.25	3/4	2,036.20	3/4	1,839.16	3/4	1,642.11
7	7	7	7	7	7	7	2,818.67	7	2,622.68	7	2,426.19	7	2,229.14	7	2,032.10	7	1,835.05	7	1,638.01
1/4		1/4		1/4	3,004.25	1/4	2,814.59	1/4	2,618.60	1/4	2,422.08	1/4	2,225.04	1/4	2,027.99	1/4	1,830.95	1/4	1,633.90
1/2		1/2		1/2	3,001.96	1/2	2,810.51	1/2	2,614.52	1/2	2,417.98	1/2	2,220.93	1/2	2,023.89	1/2	1,826.84	1/2	1,629.80
3/4		3/4		3/4	2,998.47	3/4	2,806.42	3/4	2,610.43	3/4	2,413.87	3/4	2,216.83	3/4	2,019.78	3/4	1,822.74	3/4	1,625.69
8	8	8	8	8	8	8	2,994.98	8	2,606.35	8	2,409.77	8	2,212.72	8	2,015.68	8	1,818.63	8	1,621.59
1/4		1/4		1/4	2,991.49	1/4	2,798.26	1/4	2,602.27	1/4	2,405.66	1/4	2,208.62	1/4	2,011.57	1/4	1,814.53	1/4	1,617.48
1/2		1/2		1/2	2,988.00	1/2	2,794.17	1/2	2,598.18	1/2	2,401.56	1/2	2,204.51	1/2	2,007.47	1/2	1,810.42	1/2	1,613.38
3/4		3/4		3/4	2,984.00	3/4	2,790.09	3/4	2,594.10	3/4	2,397.45	3/4	2,200.41	3/4	2,003.36	3/4	1,806.32	3/4	1,609.27
9	9	9	9	9	9	9	2,979.99	9	2,786.01	9	2,590.02	9	2,393.35	9	2,196.30	9	1,999.26	9	1,605.17
1/4		1/4		1/4	2,975.99	1/4	2,781.92	1/4	2,585.93	1/4	2,389.24	1/4	2,192.20	1/4	1,995.15	1/4	1,798.11	1/4	1,601.06
1/2		1/2		1/2	2,971.99	1/2	2,777.84	1/2	2,581.85	1/2	2,385.14	1/2	2,188.09	1/2	1,991.05	1/2	1,794.00	1/2	1,596.96
3/4		3/4		3/4	2,967.98	3/4	2,773.76	3/4	2,577.77	3/4	2,381.03	3/4	2,183.99	3/4	1,986.94	3/4	1,789.90	3/4	1,592.85
10	10	10	10	10	10	10	2,963.98	10	2,773.69	10	2,573.69	10	2,376.93	10	2,179.88	10	1,982.84	10	1,588.75
1/4		1/4		1/4	2,959.98	1/4	2,769.59	1/4	2,569.60	1/4	2,372.82	1/4	2,175.78	1/4	1,978.73	1/4	1,781.69	1/4	1,584.64
1/2		1/2		1/2	2,955.97	1/2	2,765.51	1/2	2,565.52	1/2	2,368.72	1/2	2,171.67	1/2	1,974.63	1/2	1,777.58	1/2	1,580.54
3/4		3/4		3/4	2,951.97	3/4	2,761.43	3/4	2,561.44	3/4	2,364.61	3/4	2,167.57	3/4	1,970.52	3/4	1,773.48	3/4	1,576.43
11	11	11	11	11	11	11	2,947.97	11	2,757.35	11	2,557.35	11	2,360.51	11	2,163.46	11	1,966.42	11	1,572.33
1/4		1/4		1/4	2,943.97	1/4	2,749.26	1/4	2,553.27	1/4	2,356.40	1/4	2,159.36	1/4	1,962.31	1/4	1,765.27	1/4	1,568.22
1/2		1/2		1/2	2,939.96	1/2	2,745.18	1/2	2,549.19	1/2	2,352.30	1/2	2,155.25	1/2	1,958.21	1/2	1,761.16	1/2	1,564.12
3/4		3/4		3/4	2,935.96	3/4	2,741.09	3/4	2,545.10	3/4	2,348.19	3/4	2,151.15	3/4	1,954.10	3/4	1,757.06	3/4	1,560.01

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 WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 30-01"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTC Co 3000

GAUGE HEIGHT 17'-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,555.91	0	1,358.86	0	1,161.82	0	964.77	0	767.73	0	570.68	0	374.15	0	185.13	0		0	
1/4	1,551.80	1/4	1,354.76	1/4	1,157.71	1/4	960.67	1/4	763.62	1/4	566.58	1/4	370.21	1/4	181.03	1/4		1/4	
1/2	1,547.70	1/2	1,350.65	1/2	1,153.61	1/2	956.56	1/2	759.52	1/2	562.47	1/2	366.28	1/2	176.92	1/2		1/2	
3/4	1,543.59	3/4	1,346.55	3/4	1,149.50	3/4	952.46	3/4	755.41	3/4	558.37	3/4	362.34	3/4	172.82	3/4		3/4	
1	1,539.49	1	1,342.44	1	1,145.40	1	948.35	1	751.31	1	554.26	1	358.41	1	168.71	1		1	
1/4	1,535.38	1/4	1,338.34	1/4	1,141.29	1/4	944.25	1/4	747.20	1/4	550.16	1/4	354.48	1/4	164.61	1/4		1/4	
1/2	1,531.28	1/2	1,334.23	1/2	1,137.19	1/2	940.14	1/2	743.10	1/2	546.05	1/2	350.55	1/2	160.50	1/2		1/2	
3/4	1,527.17	3/4	1,330.13	3/4	1,133.08	3/4	936.04	3/4	738.99	3/4	541.95	3/4	346.62	3/4	156.40	3/4		3/4	
2	1,523.07	2	1,326.02	2	1,128.98	2	931.93	2	734.89	2	537.84	2	342.70	2	152.29	2		2	
1/4	1,518.96	1/4	1,321.92	1/4	1,124.87	1/4	927.83	1/4	730.78	1/4	533.74	1/4	338.78	1/4	148.19	1/4		1/4	
1/2	1,514.86	1/2	1,317.81	1/2	1,120.77	1/2	923.72	1/2	726.68	1/2	529.63	1/2	334.85	1/2	144.08	1/2		1/2	
3/4	1,510.75	3/4	1,313.71	3/4	1,116.66	3/4	919.62	3/4	722.57	3/4	525.53	3/4	330.93	3/4	139.98	3/4		3/4	
3	1,506.65	3	1,309.60	3	1,112.56	3	915.51	3	718.47	3	521.42	3	327.01	3	135.87	3		3	
1/4	1,502.54	1/4	1,305.50	1/4	1,108.45	1/4	911.41	1/4	714.36	1/4	517.32	1/4	323.08	1/4	131.77	1/4		1/4	
1/2	1,498.44	1/2	1,301.39	1/2	1,104.35	1/2	907.30	1/2	710.26	1/2	513.21	1/2	319.16	1/2	127.66	1/2		1/2	
3/4	1,494.33	3/4	1,297.29	3/4	1,100.24	3/4	903.20	3/4	706.15	3/4	509.11	3/4	315.24	3/4	123.56	3/4		3/4	
4	1,490.23	4	1,293.18	4	1,096.14	4	899.09	4	702.05	4	505.00	4	311.31	4	119.45	4		4	
1/4	1,486.12	1/4	1,289.08	1/4	1,092.03	1/4	894.99	1/4	697.94	1/4	500.90	1/4	307.39	1/4	115.35	1/4		1/4	
1/2	1,482.01	1/2	1,284.97	1/2	1,087.93	1/2	890.88	1/2	693.84	1/2	496.79	1/2	303.47	1/2	111.24	1/2		1/2	
3/4	1,477.91	3/4	1,280.87	3/4	1,083.82	3/4	886.78	3/4	689.73	3/4	492.69	3/4	299.54	3/4	107.14	3/4		3/4	
5	1,473.80	5	1,276.76	5	1,079.72	5	882.67	5	685.63	5	488.58	5	295.62	5	103.03	5		5	
1/4	1,469.70	1/4	1,272.65	1/4	1,075.61	1/4	878.57	1/4	681.52	1/4	484.48	1/4	291.70	1/4	98.93	1/4		1/4	
1/2	1,465.59	1/2	1,268.55	1/2	1,071.50	1/2	874.46	1/2	677.42	1/2	480.37	1/2	287.77	1/2	94.82	1/2		1/2	
3/4	1,461.49	3/4	1,264.44	3/4	1,067.40	3/4	870.36	3/4	673.31	3/4	476.27	3/4	283.85	3/4	90.72	3/4		3/4	
6	1,457.38	6	1,260.34	6	1,063.29	6	866.25	6	669.21	6	472.16	6	279.93	6	86.61	6		6	
1/4	1,453.28	1/4	1,256.23	1/4	1,059.19	1/4	862.14	1/4	665.10	1/4	468.06	1/4	276.01	1/4	82.51	1/4		1/4	
1/2	1,449.17	1/2	1,252.13	1/2	1,055.08	1/2	858.04	1/2	660.99	1/2	463.95	1/2	272.08	1/2	78.40	1/2		1/2	
3/4	1,445.07	3/4	1,248.02	3/4	1,050.98	3/4	853.93	3/4	656.89	3/4	459.85	3/4	268.16	3/4	74.30	3/4		3/4	
7	1,440.96	7	1,243.92	7	1,046.87	7	849.83	7	652.78	7	455.74	7	264.24	7	70.19	7		7	
1/4	1,436.86	1/4	1,239.81	1/4	1,042.77	1/4	845.72	1/4	648.68	1/4	451.63	1/4	260.31	1/4	66.09	1/4		1/4	
1/2	1,432.75	1/2	1,235.71	1/2	1,038.66	1/2	841.62	1/2	644.57	1/2	447.53	1/2	256.39	1/2	61.98	1/2		1/2	
3/4	1,428.65	3/4	1,231.60	3/4	1,034.56	3/4	837.51	3/4	640.47	3/4	443.42	3/4	252.47	3/4	57.88	3/4		3/4	
8	1,424.54	8	1,227.50	8	1,030.45	8	833.41	8	636.36	8	439.32	8	248.54	8	53.78	8		8	
1/4	1,420.44	1/4	1,223.39	1/4	1,026.35	1/4	829.30	1/4	632.26	1/4	435.21	1/4	244.62	1/4	49.67	1/4		1/4	
1/2	1,416.33	1/2	1,219.29	1/2	1,022.24	1/2	825.20	1/2	628.15	1/2	431.11	1/2	240.70	1/2	45.57	1/2		1/2	
3/4	1,412.23	3/4	1,215.18	3/4	1,018.14	3/4	821.09	3/4	624.05	3/4	427.00	3/4	236.77	3/4	41.59	3/4		3/4	
9	1,408.12	9	1,211.08	9	1,014.03	9	816.99	9	619.94	9	422.90	9	232.84	9	37.61	9		9	
1/4	1,404.02	1/4	1,206.97	1/4	1,009.93	1/4	812.88	1/4	615.84	1/4	418.79	1/4	228.92	1/4	33.64	1/4		1/4	
1/2	1,399.91	1/2	1,202.87	1/2	1,005.82	1/2	808.78	1/2	611.73	1/2	414.69	1/2	224.99	1/2	29.66	1/2		1/2	
3/4	1,395.81	3/4	1,198.76	3/4	1,001.72	3/4	804.67	3/4	607.63	3/4	410.58	3/4	221.06	3/4	26.32	3/4		3/4	
10	1,391.70	10	1,194.66	10	997.61	10	800.57	10	603.52	10	406.48	10	217.12	10	22.99	10		10	
1/4	1,387.60	1/4	1,190.55	1/4	993.51	1/4	796.46	1/4	599.42	1/4	402.37	1/4	213.19	1/4	19.65	1/4		1/4	
1/2	1,383.49	1/2	1,186.45	1/2	989.40	1/2	792.36	1/2	595.31	1/2	398.27	1/2	209.25	1/2	16.32	1/2		1/2	
3/4	1,379.39	3/4	1,182.34	3/4	985.30	3/4	788.25	3/4	591.21	3/4	394.21	3/4	205.27	3/4	14.01	3/4		3/4	
11	1,375.28	11	1,178.24	11	981.19	11	784.15	11	587.10	11	390.14	11	201.30	11	11.70	11		11	
1/4	1,371.18	1/4	1,174.13	1/4	977.09	1/4	780.04	1/4	583.00	1/4	386.08	1/4	197.32	1/4	9.39	1/4		1/4	
1/2	1,367.07	1/2	1,170.03	1/2	972.98	1/2	775.94	1/2	578.89	1/2	382.02	1/2	193.34	1/2	7.08	1/2		1/2	
3/4	1,362.97	3/4	1,165.92	3/4	968.88	3/4	771.83	3/4	574.79	3/4	378.08	3/4	189.24	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2014 CL
RECALCULATED: 04/03/2020 CL
REPRINTED: 04/03/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "KIRBY 30-01"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 3000

GAUGE HEIGHT 17'-11 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	0	0	0	0	0	2,941.17	0	2,745.90	0	2,549.52	0	2,352.22	0	2,154.78	0	1,957.33	0	1,759.89		
1/4		1/4		1/4		1/4	2,937.15	1/4	2,741.81	1/4	2,545.42	1/4	2,348.10	1/4	2,150.66	1/4	1,953.22	1/4	1,755.78		
1/2		1/2		1/2		1/2	2,933.14	1/2	2,737.72	1/2	2,541.33	1/2	2,343.99	1/2	2,146.55	1/2	1,949.10	1/2	1,751.66		
3/4		3/4		3/4		3/4	2,929.13	3/4	2,733.63	3/4	2,537.24	3/4	2,339.88	3/4	2,142.43	3/4	1,944.99	3/4	1,747.55		
1	1	1	1	1	1	1	2,925.12	1	2,729.54	1	2,533.15	1	2,335.76	1	2,138.32	1	1,940.88	1	1,743.44		
1/4		1/4		1/4		1/4	2,921.11	1/4	2,725.45	1/4	2,529.05	1/4	2,331.65	1/4	2,134.21	1/4	1,936.76	1/4	1,739.32		
1/2		1/2		1/2		1/2	2,917.10	1/2	2,721.36	1/2	2,524.96	1/2	2,327.54	1/2	2,130.09	1/2	1,932.65	1/2	1,735.21		
3/4		3/4		3/4		3/4	2,913.09	3/4	2,717.26	3/4	2,520.87	3/4	2,323.42	3/4	2,125.98	3/4	1,928.54	3/4	1,731.09		
2	2	2	2	2	2	2	2,909.07	2	2,713.17	2	2,516.75	2	2,319.31	2	2,121.87	2	1,924.42	2	1,726.98		
1/4		1/4		1/4		1/4	2,905.06	1/4	2,709.08	1/4	2,512.64	1/4	2,315.20	1/4	2,117.75	1/4	1,920.31	1/4	1,722.87		
1/2		1/2		1/2		1/2	2,901.05	1/2	2,704.99	1/2	2,508.53	1/2	2,311.08	1/2	2,113.64	1/2	1,916.20	1/2	1,718.75		
3/4		3/4		3/4		3/4	2,897.04	3/4	2,700.90	3/4	2,504.41	3/4	2,306.97	3/4	2,109.53	3/4	1,912.08	3/4	1,714.64		
3	3	3	3	3	3	3	2,893.01	3	2,696.81	3	2,500.30	3	2,302.86	3	2,105.41	3	1,907.97	3	1,710.53		
1/4		1/4		1/4		1/4	2,888.98	1/4	2,692.72	1/4	2,496.19	1/4	2,298.74	1/4	2,101.30	1/4	1,903.86	1/4	1,706.41		
1/2		1/2		1/2		1/2	2,884.95	1/2	2,688.62	1/2	2,492.07	1/2	2,294.63	1/2	2,097.19	1/2	1,899.74	1/2	1,702.30		
3/4		3/4		3/4		3/4	2,880.92	3/4	2,684.53	3/4	2,487.96	3/4	2,290.52	3/4	2,093.07	3/4	1,895.63	3/4	1,698.19		
4	4	4	4	4	4	4	2,876.83	4	2,680.44	4	2,483.85	4	2,286.40	4	2,088.96	4	1,891.52	4	1,694.07		
1/4		1/4		1/4		1/4	2,872.74	1/4	2,676.35	1/4	2,479.73	1/4	2,282.29	1/4	2,084.85	1/4	1,887.40	1/4	1,689.96		
1/2		1/2		1/2		1/2	2,868.65	1/2	2,672.26	1/2	2,475.62	1/2	2,278.18	1/2	2,080.73	1/2	1,883.29	1/2	1,685.85		
3/4		3/4		3/4		3/4	2,864.55	3/4	2,668.17	3/4	2,471.51	3/4	2,274.06	3/4	2,076.62	3/4	1,879.18	3/4	1,681.73		
5	5	5	5	5	5	5	2,860.46	5	2,664.08	5	2,467.39	5	2,269.95	5	2,072.51	5	1,875.06	5	1,677.62		
1/4		1/4		1/4		1/4	2,856.37	1/4	2,659.98	1/4	2,463.28	1/4	2,265.84	1/4	2,068.39	1/4	1,870.95	1/4	1,673.51		
1/2		1/2		1/2		1/2	2,852.28	1/2	2,655.89	1/2	2,459.17	1/2	2,261.72	1/2	2,064.28	1/2	1,866.84	1/2	1,669.39		
3/4		3/4		3/4		3/4	2,848.19	3/4	2,651.80	3/4	2,455.05	3/4	2,257.61	3/4	2,060.17	3/4	1,862.72	3/4	1,665.28		
6	6	6	6	6	6	6	2,844.10	6	2,647.71	6	2,450.94	6	2,253.50	6	2,056.05	6	1,858.61	6	1,661.17		
1/4		1/4		1/4		1/4	2,840.01	1/4	2,643.62	1/4	2,446.83	1/4	2,249.38	1/4	2,051.94	1/4	1,854.50	1/4	1,657.05		
1/2		1/2		1/2		1/2	2,835.91	1/2	2,639.53	1/2	2,442.71	1/2	2,245.27	1/2	2,047.83	1/2	1,850.38	1/2	1,652.94		
3/4		3/4		3/4	3,016.49	3/4	2,831.82	3/4	2,635.44	3/4	2,438.60	3/4	2,241.16	3/4	2,043.71	3/4	1,846.27	3/4	1,648.83		
7	7	7	7	7	7	7	2,827.73	7	2,631.34	7	2,434.49	7	2,237.04	7	2,039.60	7	1,842.16	7	1,644.71		
1/4		1/4		1/4		1/4	3,014.19	1/4	2,823.64	1/4	2,627.25	1/4	2,430.37	1/4	2,232.93	1/4	2,035.49	1/4	1,838.04	1/4	1,640.60
1/2		1/2		1/2		1/2	3,009.60	1/2	2,819.55	1/2	2,623.16	1/2	2,426.26	1/2	2,228.82	1/2	2,031.37	1/2	1,833.93	1/2	1,636.49
3/4		3/4		3/4		3/4	3,007.30	3/4	2,815.46	3/4	2,619.07	3/4	2,422.15	3/4	2,224.70	3/4	2,027.26	3/4	1,829.82	3/4	1,632.37
8	8	8	8	8	8	8	3,003.80	8	2,811.37	8	2,614.98	8	2,418.03	8	2,220.59	8	2,023.15	8	1,825.70	8	1,628.26
1/4		1/4		1/4		1/4	3,000.31	1/4	2,807.27	1/4	2,610.89	1/4	2,413.92	1/4	2,216.48	1/4	2,019.03	1/4	1,821.59	1/4	1,624.15
1/2		1/2		1/2		1/2	2,996.81	1/2	2,803.18	1/2	2,606.80	1/2	2,409.81	1/2	2,212.36	1/2	2,014.92	1/2	1,817.48	1/2	1,620.03
3/4		3/4		3/4		3/4	2,993.31	3/4	2,799.09	3/4	2,602.70	3/4	2,405.69	3/4	2,208.25	3/4	2,010.81	3/4	1,813.36	3/4	1,615.92
9	9	9	9	9	9	9	2,989.30	9	2,795.00	9	2,598.61	9	2,401.58	9	2,204.14	9	2,006.69	9	1,809.25	9	1,611.81
1/4		1/4		1/4		1/4	2,985.29	1/4	2,790.91	1/4	2,594.52	1/4	2,397.47	1/4	2,200.02	1/4	2,002.58	1/4	1,805.14	1/4	1,607.69
1/2		1/2		1/2		1/2	2,981.28	1/2	2,786.82	1/2	2,590.43	1/2	2,393.35	1/2	2,195.91	1/2	1,998.47	1/2	1,801.02	1/2	1,603.58
3/4		3/4		3/4		3/4	2,977.27	3/4	2,782.73	3/4	2,586.34	3/4	2,389.24	3/4	2,191.80	3/4	1,994.35	3/4	1,796.91	3/4	1,599.47
10	10	10	10	10	10	10	2,973.26	10	2,778.63	10	2,582.25	10	2,385.13	10	2,187.68	10	1,990.24	10	1,792.80	10	1,595.35
1/4		1/4		1/4		1/4	2,969.24	1/4	2,774.54	1/4	2,578.16	1/4	2,381.01	1/4	2,183.57	1/4	1,986.13	1/4	1,788.68	1/4	1,591.24
1/2		1/2		1/2		1/2	2,965.23	1/2	2,770.45	1/2	2,574.06	1/2	2,376.90	1/2	2,179.46	1/2	1,982.01	1/2	1,784.57	1/2	1,587.13
3/4		3/4		3/4		3/4	2,961.22	3/4	2,766.36	3/4	2,569.97	3/4	2,372.79	3/4	2,175.34	3/4	1,977.90	3/4	1,780.46	3/4	1,583.01
11	11	11	11	11	11	11	2,957.21	11	2,762.27	11	2,565.88	11	2,368.67	11	2,171.23	11	1,973.79	11	1,776.34	11	1,578.90
1/4		1/4		1/4		1/4	2,953.20	1/4	2,758.18	1/4	2,561.79	1/4	2,364.56	1/4	2,167.12	1/4	1,969.67	1/4	1,772.23	1/4	1,574.79
1/2		1/2		1/2		1/2	2,949.19	1/2	2,754.09	1/2	2,557.70	1/2	2,360.45	1/2	2,163.00	1/2	1,965.56	1/2	1,768.12	1/2	1,570.67
3/4		3/4		3/4		3/4	2,945.18	3/4	2,749.99	3/4	2,553.61	3/4	2,356.33	3/4	2,158.89	3/4	1,961.45	3/4	1,764.00	3/4	1,566.56

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 WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 30-01"

2 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-11 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTC Co 3000

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	1,562.45	0	1,365.00	0	1,167.56	0	970.12	0	772.67	0	575.23	0	378.13	0	189.61	0		0	
1/4	1,558.33	1/4	1,360.89	1/4	1,163.45	1/4	966.00	1/4	768.56	1/4	571.12	1/4	374.19	1/4	185.50	1/4		1/4	
1/2	1,554.22	1/2	1,356.78	1/2	1,159.33	1/2	961.89	1/2	764.45	1/2	567.00	1/2	370.26	1/2	181.39	1/2		1/2	
3/4	1,550.11	3/4	1,352.66	3/4	1,155.22	3/4	957.78	3/4	760.33	3/4	562.89	3/4	366.32	3/4	177.28	3/4		3/4	
1	1,545.99	1	1,348.55	1	1,151.11	1	953.66	1	756.22	1	558.78	1	362.40	1	173.16	1		1	
1/4	1,541.88	1/4	1,344.44	1/4	1,146.99	1/4	949.55	1/4	752.11	1/4	554.66	1/4	358.48	1/4	169.05	1/4		1/4	
1/2	1,537.77	1/2	1,340.32	1/2	1,142.88	1/2	945.44	1/2	747.99	1/2	550.55	1/2	354.56	1/2	164.94	1/2		1/2	
3/4	1,533.65	3/4	1,336.21	3/4	1,138.77	3/4	941.32	3/4	743.88	3/4	546.44	3/4	350.64	3/4	160.82	3/4		3/4	
2	1,529.54	2	1,332.10	2	1,134.65	2	937.21	2	739.77	2	542.32	2	346.72	2	156.71	2		2	
1/4	1,525.42	1/4	1,327.98	1/4	1,130.54	1/4	933.10	1/4	735.65	1/4	538.21	1/4	342.81	1/4	152.60	1/4		1/4	
1/2	1,521.31	1/2	1,323.87	1/2	1,126.43	1/2	928.98	1/2	731.54	1/2	534.10	1/2	338.90	1/2	148.48	1/2		1/2	
3/4	1,517.20	3/4	1,319.75	3/4	1,122.31	3/4	924.87	3/4	727.43	3/4	529.98	3/4	334.98	3/4	144.37	3/4		3/4	
3	1,513.08	3	1,315.64	3	1,118.20	3	920.76	3	723.31	3	525.87	3	331.07	3	140.26	3		3	
1/4	1,508.97	1/4	1,311.53	1/4	1,114.08	1/4	916.64	1/4	719.20	1/4	521.76	1/4	327.15	1/4	136.14	1/4		1/4	
1/2	1,504.86	1/2	1,307.41	1/2	1,109.97	1/2	912.53	1/2	715.09	1/2	517.64	1/2	323.24	1/2	132.03	1/2		1/2	
3/4	1,500.74	3/4	1,303.30	3/4	1,105.86	3/4	908.41	3/4	710.97	3/4	513.53	3/4	319.33	3/4	127.92	3/4		3/4	
4	1,496.63	4	1,299.19	4	1,101.74	4	904.30	4	706.86	4	509.42	4	315.41	4	123.81	4		4	
1/4	1,492.52	1/4	1,295.07	1/4	1,097.63	1/4	900.19	1/4	702.74	1/4	505.30	1/4	311.50	1/4	119.69	1/4		1/4	
1/2	1,488.40	1/2	1,290.96	1/2	1,093.52	1/2	896.07	1/2	698.63	1/2	501.19	1/2	307.58	1/2	115.58	1/2		1/2	
3/4	1,484.29	3/4	1,286.85	3/4	1,089.40	3/4	891.96	3/4	694.52	3/4	497.07	3/4	303.67	3/4	111.47	3/4		3/4	
5	1,480.18	5	1,282.73	5	1,085.29	5	887.85	5	690.40	5	492.96	5	299.75	5	107.35	5		5	
1/4	1,476.06	1/4	1,278.62	1/4	1,081.18	1/4	883.73	1/4	686.29	1/4	488.85	1/4	295.84	1/4	103.24	1/4		1/4	
1/2	1,471.95	1/2	1,274.51	1/2	1,077.06	1/2	879.62	1/2	682.18	1/2	484.73	1/2	291.93	1/2	99.13	1/2		1/2	
3/4	1,467.84	3/4	1,270.39	3/4	1,072.95	3/4	875.51	3/4	678.06	3/4	480.62	3/4	288.01	3/4	95.01	3/4		3/4	
6	1,463.72	6	1,266.28	6	1,068.84	6	871.39	6	673.95	6	476.51	6	284.10	6	90.90	6		6	
1/4	1,459.61	1/4	1,262.17	1/4	1,064.72	1/4	867.28	1/4	669.84	1/4	472.39	1/4	280.18	1/4	86.79	1/4		1/4	
1/2	1,455.50	1/2	1,258.05	1/2	1,060.61	1/2	863.17	1/2	665.72	1/2	468.28	1/2	276.27	1/2	82.67	1/2		1/2	
3/4	1,451.38	3/4	1,253.94	3/4	1,056.50	3/4	859.05	3/4	661.61	3/4	464.17	3/4	272.36	3/4	78.56	3/4		3/4	
7	1,447.27	7	1,249.83	7	1,052.38	7	854.94	7	657.50	7	460.05	7	268.44	7	74.45	7		7	
1/4	1,443.16	1/4	1,245.71	1/4	1,048.27	1/4	850.83	1/4	653.38	1/4	455.94	1/4	264.53	1/4	70.34	1/4		1/4	
1/2	1,439.04	1/2	1,241.60	1/2	1,044.16	1/2	846.71	1/2	649.27	1/2	451.83	1/2	260.61	1/2	66.22	1/2		1/2	
3/4	1,434.93	3/4	1,237.49	3/4	1,040.04	3/4	842.60	3/4	645.16	3/4	447.71	3/4	256.70	3/4	62.11	3/4		3/4	
8	1,430.82	8	1,233.37	8	1,035.93	8	838.49	8	641.04	8	443.60	8	252.79	8	58.00	8		8	
1/4	1,426.70	1/4	1,229.26	1/4	1,031.82	1/4	834.37	1/4	636.93	1/4	439.49	1/4	248.87	1/4	53.88	1/4		1/4	
1/2	1,422.59	1/2	1,225.15	1/2	1,027.70	1/2	830.26	1/2	632.82	1/2	435.37	1/2	244.96	1/2	49.77	1/2		1/2	
3/4	1,418.48	3/4	1,221.03	3/4	1,023.59	3/4	826.15	3/4	628.70	3/4	431.26	3/4	241.04	3/4	45.66	3/4		3/4	
9	1,414.36	9	1,216.92	9	1,019.48	9	822.03	9	624.59	9	427.15	9	237.13	9	41.67	9		9	
1/4	1,410.25	1/4	1,212.81	1/4	1,015.36	1/4	817.92	1/4	620.48	1/4	423.03	1/4	233.21	1/4	37.69	1/4		1/4	
1/2	1,406.14	1/2	1,208.69	1/2	1,011.25	1/2	813.81	1/2	616.36	1/2	418.92	1/2	229.30	1/2	33.70	1/2		1/2	
3/4	1,402.02	3/4	1,204.58	3/4	1,007.14	3/4	809.69	3/4	612.25	3/4	414.81	3/4	225.38	3/4	29.72	3/4		3/4	
10	1,397.91	10	1,200.47	10	1,003.02	10	805.58	10	608.14	10	410.69	10	221.45	10	26.38	10		10	
1/4	1,393.80	1/4	1,196.35	1/4	998.91	1/4	801.47	1/4	604.02	1/4	406.58	1/4	217.53	1/4	23.03	1/4		1/4	
1/2	1,389.68	1/2	1,192.24	1/2	994.80	1/2	797.35	1/2	599.91	1/2	402.47	1/2	213.60	1/2	19.69	1/2		1/2	
3/4	1,385.57	3/4	1,188.13	3/4	990.68	3/4	793.24	3/4	595.80	3/4	398.35	3/4	209.67	3/4	16.35	3/4		3/4	
11	1,381.46	11	1,184.01	11	986.57	11	789.13	11	591.68	11	394.28	11	205.69	11	14.04	11		11	
1/4	1,377.34	1/4	1,179.90	1/4	982.46	1/4	785.01	1/4	587.57	1/4	390.21	1/4	201.70	1/4	11.72	1/4		1/4	
1/2	1,373.23	1/2	1,175.79	1/2	978.34	1/2	780.90	1/2	583.46	1/2	386.14	1/2	197.71	1/2	9.41	1/2		1/2	
3/4	1,369.12	3/4	1,171.67	3/4	974.23	3/4	776.79	3/4	579.34	3/4	382.07	3/4	193.73	3/4	7.10	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2014 CL
RECALCULATED: 04/03/2020 CL
REPRINTED: 04/03/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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



BARGE "KIRBY 30-01"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 3000

GAUGE HEIGHT 18'-00"

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	2,945.84	0	2,750.61	0	2,554.18	0	2,356.85	0	2,159.37	0	1,961.88	0	1,764.39
1/4		1/4		1/4		1/4	2,941.83	1/4	2,746.52	1/4	2,550.09	1/4	2,352.74	1/4	2,155.25	1/4	1,957.76	1/4	1,760.28
1/2		1/2		1/2		1/2	2,937.82	1/2	2,742.43	1/2	2,546.00	1/2	2,348.62	1/2	2,151.14	1/2	1,953.65	1/2	1,756.16
3/4		3/4		3/4		3/4	2,933.80	3/4	2,738.34	3/4	2,541.91	3/4	2,344.51	3/4	2,147.02	3/4	1,949.54	3/4	1,752.05
1		1		1		1	2,929.79	1	2,734.25	1	2,537.81	1	2,340.39	1	2,142.91	1	1,945.42	1	1,747.94
1/4		1/4		1/4		1/4	2,925.78	1/4	2,730.15	1/4	2,533.72	1/4	2,336.28	1/4	2,138.79	1/4	1,941.31	1/4	1,743.82
1/2		1/2		1/2		1/2	2,921.77	1/2	2,726.06	1/2	2,529.62	1/2	2,332.17	1/2	2,134.68	1/2	1,937.19	1/2	1,739.71
3/4		3/4		3/4		3/4	2,917.76	3/4	2,721.97	3/4	2,525.52	3/4	2,328.05	3/4	2,130.57	3/4	1,933.08	3/4	1,735.59
2		2		2		2	2,913.74	2	2,717.88	2	2,521.42	2	2,323.94	2	2,126.45	2	1,928.96	2	1,731.48
1/4		1/4		1/4		1/4	2,909.73	1/4	2,713.78	1/4	2,517.31	1/4	2,319.82	1/4	2,122.34	1/4	1,924.85	1/4	1,727.36
1/2		1/2		1/2		1/2	2,905.72	1/2	2,709.69	1/2	2,513.19	1/2	2,315.71	1/2	2,118.22	1/2	1,920.74	1/2	1,723.25
3/4		3/4		3/4		3/4	2,901.71	3/4	2,705.60	3/4	2,509.08	3/4	2,311.59	3/4	2,114.11	3/4	1,916.62	3/4	1,719.14
3		3		3		3	2,897.69	3	2,701.51	3	2,504.97	3	2,307.48	3	2,109.99	3	1,912.51	3	1,715.02
1/4		1/4		1/4		1/4	2,893.66	1/4	2,697.41	1/4	2,500.85	1/4	2,303.37	1/4	2,105.88	1/4	1,908.39	1/4	1,710.91
1/2		1/2		1/2		1/2	2,889.63	1/2	2,693.32	1/2	2,496.74	1/2	2,299.25	1/2	2,101.76	1/2	1,904.28	1/2	1,706.79
3/4		3/4		3/4		3/4	2,885.60	3/4	2,689.23	3/4	2,492.62	3/4	2,295.14	3/4	2,097.65	3/4	1,900.16	3/4	1,702.68
4		4		4		4	2,881.57	4	2,685.14	4	2,488.51	4	2,291.02	4	2,093.54	4	1,896.05	4	1,698.56
1/4		1/4		1/4		1/4	2,877.48	1/4	2,681.05	1/4	2,484.39	1/4	2,286.91	1/4	2,089.42	1/4	1,891.94	1/4	1,694.45
1/2		1/2		1/2		1/2	2,873.38	1/2	2,676.95	1/2	2,480.28	1/2	2,282.79	1/2	2,085.31	1/2	1,887.82	1/2	1,690.33
3/4		3/4		3/4		3/4	2,869.29	3/4	2,672.86	3/4	2,476.17	3/4	2,278.68	3/4	2,081.19	3/4	1,883.71	3/4	1,686.22
5		5		5		5	2,865.20	5	2,668.77	5	2,472.05	5	2,274.57	5	2,077.08	5	1,879.59	5	1,682.11
1/4		1/4		1/4		1/4	2,861.11	1/4	2,664.68	1/4	2,467.94	1/4	2,270.45	1/4	2,072.96	1/4	1,875.48	1/4	1,677.99
1/2		1/2		1/2		1/2	2,857.01	1/2	2,660.58	1/2	2,463.82	1/2	2,266.34	1/2	2,068.85	1/2	1,871.36	1/2	1,673.88
3/4		3/4		3/4		3/4	2,852.92	3/4	2,656.49	3/4	2,459.71	3/4	2,262.22	3/4	2,064.74	3/4	1,867.25	3/4	1,669.76
6		6		6		6	2,848.83	6	2,652.40	6	2,455.59	6	2,258.11	6	2,060.62	6	1,863.14	6	1,665.65
1/4		1/4		1/4		1/4	2,844.74	1/4	2,648.31	1/4	2,451.48	1/4	2,253.99	1/4	2,056.51	1/4	1,859.02	1/4	1,661.53
1/2		1/2		1/2		1/2	2,840.64	1/2	2,644.21	1/2	2,447.37	1/2	2,249.88	1/2	2,052.39	1/2	1,854.91	1/2	1,657.42
3/4		3/4		3/4		3/4	2,836.55	3/4	2,640.12	3/4	2,443.25	3/4	2,245.77	3/4	2,048.28	3/4	1,850.79	3/4	1,653.31
7		7		7	3,017.16	7	2,832.46	7	2,636.03	7	2,439.14	7	2,241.65	7	2,044.16	7	1,846.68	7	1,649.19
1/4		1/4		1/4	3,014.87	1/4	2,828.37	1/4	2,631.94	1/4	2,435.02	1/4	2,237.54	1/4	2,040.05	1/4	1,842.56	1/4	1,645.08
1/2		1/2		1/2	3,012.57	1/2	2,824.28	1/2	2,627.85	1/2	2,430.91	1/2	2,233.42	1/2	2,035.94	1/2	1,838.45	1/2	1,640.96
3/4		3/4		3/4	3,010.27	3/4	2,820.18	3/4	2,623.75	3/4	2,426.79	3/4	2,229.31	3/4	2,031.82	3/4	1,834.34	3/4	1,636.85
8		8		8	3,007.97	8	2,816.09	8	2,619.66	8	2,422.68	8	2,225.19	8	2,027.71	8	1,830.22	8	1,632.73
1/4		1/4		1/4	3,004.48	1/4	2,812.00	1/4	2,615.57	1/4	2,418.57	1/4	2,221.08	1/4	2,023.59	1/4	1,826.11	1/4	1,628.62
1/2		1/2		1/2	3,000.98	1/2	2,807.91	1/2	2,611.48	1/2	2,414.45	1/2	2,216.97	1/2	2,019.48	1/2	1,821.99	1/2	1,624.51
3/4		3/4		3/4	2,997.48	3/4	2,803.81	3/4	2,607.38	3/4	2,410.34	3/4	2,212.85	3/4	2,015.36	3/4	1,817.88	3/4	1,620.39
9		9		9	2,993.99	9	2,799.72	9	2,603.29	9	2,406.22	9	2,208.74	9	2,011.25	9	1,813.76	9	1,616.28
1/4		1/4		1/4	2,989.98	1/4	2,795.63	1/4	2,599.20	1/4	2,402.11	1/4	2,204.62	1/4	2,007.14	1/4	1,809.65	1/4	1,612.16
1/2		1/2		1/2	2,985.96	1/2	2,791.54	1/2	2,595.11	1/2	2,397.99	1/2	2,200.51	1/2	2,003.02	1/2	1,805.54	1/2	1,608.05
3/4		3/4		3/4	2,981.95	3/4	2,787.45	3/4	2,591.01	3/4	2,393.88	3/4	2,196.39	3/4	1,998.91	3/4	1,801.42	3/4	1,603.93
10		10		10	2,977.94	10	2,783.35	10	2,586.92	10	2,389.77	10	2,192.28	10	1,994.79	10	1,797.31	10	1,599.82
1/4		1/4		1/4	2,973.93	1/4	2,779.26	1/4	2,582.83	1/4	2,385.65	1/4	2,188.17	1/4	1,990.68	1/4	1,793.19	1/4	1,595.71
1/2		1/2		1/2	2,969.91	1/2	2,775.17	1/2	2,578.74	1/2	2,381.54	1/2	2,184.05	1/2	1,986.56	1/2	1,789.08	1/2	1,591.59
3/4		3/4		3/4	2,965.90	3/4	2,771.08	3/4	2,574.65	3/4	2,377.42	3/4	2,179.94	3/4	1,982.45	3/4	1,784.96	3/4	1,587.48
11		11		11	2,961.89	11	2,766.98	11	2,570.55	11	2,373.31	11	2,175.82	11	1,978.34	11	1,780.85	11	1,583.36
1/4		1/4		1/4	2,957.88	1/4	2,762.89	1/4	2,566.46	1/4	2,369.19	1/4	2,171.71	1/4	1,974.22	1/4	1,776.74	1/4	1,579.25
1/2		1/2		1/2	2,953.87	1/2	2,758.80	1/2	2,562.37	1/2	2,365.08	1/2	2,167.59	1/2	1,970.11	1/2	1,772.62	1/2	1,575.13
3/4		3/4		3/4	2,949.85	3/4	2,754.71	3/4	2,558.28	3/4	2,360.97	3/4	2,163.48	3/4	1,965.99	3/4	1,768.51	3/4	1,571.02

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 WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 30-01"

3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 18'-00"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTC Co 3000

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	1,566.91	0	1,369.42	0	1,171.93	0	974.45	0	776.96	0	579.47	0	382.16	0	193.77	0	7.10	0	
1/4	1,562.79	1/4	1,365.31	1/4	1,167.82	1/4	970.33	1/4	772.85	1/4	575.36	1/4	378.22	1/4	189.66	1/4		1/4	
1/2	1,558.68	1/2	1,361.19	1/2	1,163.70	1/2	966.22	1/2	768.73	1/2	571.25	1/2	374.28	1/2	185.55	1/2		1/2	
3/4	1,554.56	3/4	1,357.08	3/4	1,159.59	3/4	962.10	3/4	764.62	3/4	567.13	3/4	370.34	3/4	181.43	3/4		3/4	
1	1,550.45	1	1,352.96	1	1,155.48	1	957.99	1	760.50	1	563.02	1	366.40	1	177.32	1		1	
1/4	1,546.33	1/4	1,348.85	1/4	1,151.36	1/4	953.88	1/4	756.39	1/4	558.90	1/4	362.48	1/4	173.20	1/4		1/4	
1/2	1,542.22	1/2	1,344.73	1/2	1,147.25	1/2	949.76	1/2	752.27	1/2	554.79	1/2	358.56	1/2	169.09	1/2		1/2	
3/4	1,538.11	3/4	1,340.62	3/4	1,143.13	3/4	945.65	3/4	748.16	3/4	550.67	3/4	354.64	3/4	164.98	3/4		3/4	
2	1,533.99	2	1,336.51	2	1,139.02	2	941.53	2	744.05	2	546.56	2	350.72	2	160.86	2		2	
1/4	1,529.88	1/4	1,332.39	1/4	1,134.90	1/4	937.42	1/4	739.93	1/4	542.45	1/4	346.81	1/4	156.75	1/4		1/4	
1/2	1,525.76	1/2	1,328.28	1/2	1,130.79	1/2	933.30	1/2	735.82	1/2	538.33	1/2	342.89	1/2	152.63	1/2		1/2	
3/4	1,521.65	3/4	1,324.16	3/4	1,126.68	3/4	929.19	3/4	731.70	3/4	534.22	3/4	338.98	3/4	148.52	3/4		3/4	
3	1,517.53	3	1,320.05	3	1,122.56	3	925.08	3	727.59	3	530.10	3	335.06	3	144.40	3		3	
1/4	1,513.42	1/4	1,315.93	1/4	1,118.45	1/4	920.96	1/4	723.47	1/4	525.99	1/4	331.14	1/4	140.29	1/4		1/4	
1/2	1,509.31	1/2	1,311.82	1/2	1,114.33	1/2	916.85	1/2	719.36	1/2	521.87	1/2	327.23	1/2	136.18	1/2		1/2	
3/4	1,505.19	3/4	1,307.71	3/4	1,110.22	3/4	912.73	3/4	715.25	3/4	517.76	3/4	323.31	3/4	132.06	3/4		3/4	
4	1,501.08	4	1,303.59	4	1,106.10	4	908.62	4	711.13	4	513.65	4	319.40	4	127.95	4		4	
1/4	1,496.96	1/4	1,299.48	1/4	1,101.99	1/4	904.50	1/4	707.02	1/4	509.53	1/4	315.48	1/4	123.83	1/4		1/4	
1/2	1,492.85	1/2	1,295.36	1/2	1,097.88	1/2	900.39	1/2	702.90	1/2	505.42	1/2	311.57	1/2	119.72	1/2		1/2	
3/4	1,488.73	3/4	1,291.25	3/4	1,093.76	3/4	896.28	3/4	698.79	3/4	501.30	3/4	307.65	3/4	115.61	3/4		3/4	
5	1,484.62	5	1,287.13	5	1,089.65	5	892.16	5	694.67	5	497.19	5	303.74	5	111.49	5		5	
1/4	1,480.51	1/4	1,283.02	1/4	1,085.53	1/4	888.05	1/4	690.56	1/4	493.07	1/4	299.82	1/4	107.38	1/4		1/4	
1/2	1,476.39	1/2	1,278.90	1/2	1,081.42	1/2	883.93	1/2	686.45	1/2	488.96	1/2	295.91	1/2	103.26	1/2		1/2	
3/4	1,472.28	3/4	1,274.79	3/4	1,077.30	3/4	879.82	3/4	682.33	3/4	484.85	3/4	291.99	3/4	99.15	3/4		3/4	
6	1,468.16	6	1,270.68	6	1,073.19	6	875.70	6	678.22	6	480.73	6	288.08	6	95.04	6		6	
1/4	1,464.05	1/4	1,266.56	1/4	1,069.08	1/4	871.59	1/4	674.10	1/4	476.62	1/4	284.16	1/4	90.92	1/4		1/4	
1/2	1,459.93	1/2	1,262.45	1/2	1,064.96	1/2	867.47	1/2	669.99	1/2	472.50	1/2	280.25	1/2	86.81	1/2		1/2	
3/4	1,455.82	3/4	1,258.33	3/4	1,060.85	3/4	863.36	3/4	665.87	3/4	468.39	3/4	276.33	3/4	82.69	3/4		3/4	
7	1,451.71	7	1,254.22	7	1,056.73	7	859.25	7	661.76	7	464.27	7	272.42	7	78.58	7		7	
1/4	1,447.59	1/4	1,250.10	1/4	1,052.62	1/4	855.13	1/4	657.65	1/4	460.16	1/4	268.50	1/4	74.47	1/4		1/4	
1/2	1,443.48	1/2	1,245.99	1/2	1,048.50	1/2	851.02	1/2	653.53	1/2	456.04	1/2	264.59	1/2	70.35	1/2		1/2	
3/4	1,439.36	3/4	1,241.88	3/4	1,044.39	3/4	846.90	3/4	649.42	3/4	451.93	3/4	260.67	3/4	66.24	3/4		3/4	
8	1,435.25	8	1,237.76	8	1,040.28	8	842.79	8	645.30	8	447.82	8	256.76	8	62.12	8		8	
1/4	1,431.13	1/4	1,233.65	1/4	1,036.16	1/4	838.67	1/4	641.19	1/4	443.70	1/4	252.84	1/4	58.01	1/4		1/4	
1/2	1,427.02	1/2	1,229.53	1/2	1,032.05	1/2	834.56	1/2	637.07	1/2	439.59	1/2	248.93	1/2	53.89	1/2		1/2	
3/4	1,422.91	3/4	1,225.42	3/4	1,027.93	3/4	830.45	3/4	632.96	3/4	435.47	3/4	245.01	3/4	49.78	3/4		3/4	
9	1,418.79	9	1,221.30	9	1,023.82	9	826.33	9	628.85	9	431.36	9	241.10	9	45.67	9		9	
1/4	1,414.68	1/4	1,217.19	1/4	1,019.70	1/4	822.22	1/4	624.73	1/4	427.24	1/4	237.18	1/4	41.68	1/4		1/4	
1/2	1,410.56	1/2	1,213.08	1/2	1,015.59	1/2	818.10	1/2	620.62	1/2	423.13	1/2	233.26	1/2	37.70	1/2		1/2	
3/4	1,406.45	3/4	1,208.96	3/4	1,011.48	3/4	813.99	3/4	616.50	3/4	419.02	3/4	229.35	3/4	33.71	3/4		3/4	
10	1,402.33	10	1,204.85	10	1,007.36	10	809.87	10	612.39	10	414.90	10	225.43	10	29.72	10		10	
1/4	1,398.22	1/4	1,200.73	1/4	1,003.25	1/4	805.76	1/4	608.27	1/4	410.79	1/4	221.50	1/4	26.38	1/4		1/4	
1/2	1,394.11	1/2	1,196.62	1/2	999.13	1/2	801.65	1/2	604.16	1/2	406.67	1/2	217.58	1/2	23.04	1/2		1/2	
3/4	1,389.99	3/4	1,192.50	3/4	995.02	3/4	797.53	3/4	600.05	3/4	402.56	3/4	213.65	3/4	19.70	3/4		3/4	
11	1,385.88	11	1,188.39	11	990.90	11	793.42	11	595.93	11	398.44	11	209.72	11	16.35	11		11	
1/4	1,381.76	1/4	1,184.28	1/4	986.79	1/4	789.30	1/4	591.82	1/4	394.37	1/4	205.73	1/4	14.04	1/4		1/4	
1/2	1,377.65	1/2	1,180.16	1/2	982.68	1/2	785.19	1/2	587.70	1/2	390.30	1/2	201.75	1/2	11.73	1/2		1/2	
3/4	1,373.53	3/4	1,176.05	3/4	978.56	3/4	781.07	3/4	583.59	3/4	386.23	3/4	197.76	3/4	9.41	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2014 CL
RECALCULATED: 04/03/2020 CL
REPRINTED: 04/03/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 30-01"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCo 3000

GAUGE HEIGHT 17'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0	0	0	0	0	0	0	2,936.56	0	2,741.31	0	2,545.01	0	2,347.76	0	2,150.40	0	1,953.05	0	1,755.70		
1/4		1/4		1/4		1/4	2,932.55	1/4	2,737.22	1/4	2,540.92	1/4	2,343.64	1/4	2,146.29	1/4	1,948.94	1/4	1,751.59		
1/2		1/2		1/2		1/2	2,928.54	1/2	2,733.13	1/2	2,536.83	1/2	2,339.53	1/2	2,142.18	1/2	1,944.83	1/2	1,747.48		
3/4		3/4		3/4		3/4	2,924.53	3/4	2,729.04	3/4	2,532.73	3/4	2,335.42	3/4	2,138.07	3/4	1,940.72	3/4	1,743.37		
1	1	1	1	1	1	1	2,920.52	1	2,724.95	1	2,528.64	1	2,331.31	1	2,133.96	1	1,936.61	1	1,739.25		
1/4		1/4		1/4		1/4	2,916.52	1/4	2,720.86	1/4	2,524.54	1/4	2,327.20	1/4	2,129.85	1/4	1,932.49	1/4	1,735.14		
1/2		1/2		1/2		1/2	2,912.51	1/2	2,716.77	1/2	2,520.44	1/2	2,323.09	1/2	2,125.73	1/2	1,928.38	1/2	1,731.03		
3/4		3/4		3/4		3/4	2,908.50	3/4	2,712.68	3/4	2,516.33	3/4	2,318.98	3/4	2,121.62	3/4	1,924.27	3/4	1,726.92		
2	2	2	2	2	2	2	2,904.49	2	2,708.59	2	2,512.22	2	2,314.86	2	2,117.51	2	1,920.16	2	1,722.81		
1/4		1/4		1/4		1/4	2,900.48	1/4	2,704.50	1/4	2,508.10	1/4	2,310.75	1/4	2,113.40	1/4	1,916.05	1/4	1,718.70		
1/2		1/2		1/2		1/2	2,896.47	1/2	2,700.41	1/2	2,503.99	1/2	2,306.64	1/2	2,109.29	1/2	1,911.94	1/2	1,714.58		
3/4		3/4		3/4		3/4	2,892.44	3/4	2,696.32	3/4	2,499.88	3/4	2,302.53	3/4	2,105.18	3/4	1,907.83	3/4	1,710.47		
3	3	3	3	3	3	3	2,888.41	3	2,692.23	3	2,495.77	3	2,298.42	3	2,101.07	3	1,903.71	3	1,706.36		
1/4		1/4		1/4		1/4	2,884.38	1/4	2,688.14	1/4	2,491.66	1/4	2,294.31	1/4	2,096.95	1/4	1,899.60	1/4	1,702.25		
1/2		1/2		1/2		1/2	2,880.35	1/2	2,684.05	1/2	2,487.55	1/2	2,290.19	1/2	2,092.84	1/2	1,895.49	1/2	1,698.14		
3/4		3/4		3/4		3/4	2,876.26	3/4	2,679.96	3/4	2,483.44	3/4	2,286.08	3/4	2,088.73	3/4	1,891.38	3/4	1,694.03		
4	4	4	4	4	4	4	2,872.17	4	2,675.87	4	2,479.32	4	2,281.97	4	2,084.62	4	1,887.27	4	1,689.92		
1/4		1/4		1/4		1/4	2,868.08	1/4	2,671.78	1/4	2,475.21	1/4	2,277.86	1/4	2,080.51	1/4	1,883.16	1/4	1,685.80		
1/2		1/2		1/2		1/2	2,863.99	1/2	2,667.70	1/2	2,471.10	1/2	2,273.75	1/2	2,076.40	1/2	1,879.04	1/2	1,681.69		
3/4		3/4		3/4		3/4	2,859.90	3/4	2,663.61	3/4	2,466.99	3/4	2,269.64	3/4	2,072.29	3/4	1,874.93	3/4	1,677.58		
5	5	5	5	5	5	5	2,855.81	5	2,659.52	5	2,462.88	5	2,265.53	5	2,068.17	5	1,870.82	5	1,673.47		
1/4		1/4		1/4		1/4	2,851.72	1/4	2,655.43	1/4	2,458.77	1/4	2,261.41	1/4	2,064.06	1/4	1,866.71	1/4	1,669.36		
1/2		1/2		1/2		1/2	2,847.63	1/2	2,651.34	1/2	2,454.65	1/2	2,257.30	1/2	2,059.95	1/2	1,862.60	1/2	1,665.25		
3/4		3/4		3/4		3/4	2,843.54	3/4	2,647.25	3/4	2,450.54	3/4	2,253.19	3/4	2,055.84	3/4	1,858.49	3/4	1,661.14		
6	6	6	6	6	6	6	2,839.45	6	2,643.16	6	2,446.43	6	2,249.08	6	2,051.73	6	1,854.38	6	1,657.02		
1/4		1/4		1/4		1/4	2,835.37	1/4	2,639.07	1/4	2,442.32	1/4	2,244.97	1/4	2,047.62	1/4	1,850.26	1/4	1,652.91		
1/2		1/2		1/2		1/2	3,015.87	1/2	2,831.28	1/2	2,634.98	1/2	2,438.21	1/2	2,240.86	1/2	2,043.50	1/2	1,846.15	1/2	1,648.80
3/4		3/4		3/4		3/4	3,013.57	3/4	2,827.19	3/4	2,630.89	3/4	2,434.10	3/4	2,236.75	3/4	2,039.39	3/4	1,842.04	3/4	1,644.69
7	7	7	7	7	7	7	3,011.27	7	2,823.10	7	2,626.80	7	2,429.99	7	2,232.63	7	2,035.28	7	1,837.93	7	1,640.58
1/4		1/4		1/4		1/4	3,008.98	1/4	2,819.01	1/4	2,622.71	1/4	2,425.87	1/4	2,228.52	1/4	2,031.17	1/4	1,833.82	1/4	1,636.47
1/2		1/2		1/2		1/2	3,006.68	1/2	2,814.92	1/2	2,618.62	1/2	2,421.76	1/2	2,224.41	1/2	2,027.06	1/2	1,829.71	1/2	1,632.35
3/4		3/4		3/4		3/4	3,003.18	3/4	2,810.83	3/4	2,614.53	3/4	2,417.65	3/4	2,220.30	3/4	2,022.95	3/4	1,825.60	3/4	1,628.24
8	8	8	8	8	8	8	2,999.69	8	2,806.74	8	2,610.44	8	2,413.54	8	2,216.19	8	2,018.84	8	1,821.48	8	1,624.13
1/4		1/4		1/4		1/4	2,996.19	1/4	2,802.65	1/4	2,606.35	1/4	2,409.43	1/4	2,212.08	1/4	2,014.72	1/4	1,817.37	1/4	1,620.02
1/2		1/2		1/2		1/2	2,992.70	1/2	2,798.56	1/2	2,602.26	1/2	2,405.32	1/2	2,207.96	1/2	2,010.61	1/2	1,813.26	1/2	1,615.91
3/4		3/4		3/4		3/4	2,988.69	3/4	2,794.47	3/4	2,598.17	3/4	2,401.21	3/4	2,203.85	3/4	2,006.50	3/4	1,809.15	3/4	1,611.80
9	9	9	9	9	9	9	2,984.68	9	2,790.38	9	2,594.08	9	2,397.09	9	2,199.74	9	2,002.39	9	1,805.04	9	1,607.69
1/4		1/4		1/4		1/4	2,980.67	1/4	2,786.29	1/4	2,589.99	1/4	2,392.98	1/4	2,195.63	1/4	1,998.28	1/4	1,800.93	1/4	1,603.57
1/2		1/2		1/2		1/2	2,976.66	1/2	2,782.20	1/2	2,585.91	1/2	2,388.87	1/2	2,191.52	1/2	1,994.17	1/2	1,796.81	1/2	1,599.46
3/4		3/4		3/4		3/4	2,972.65	3/4	2,778.11	3/4	2,581.82	3/4	2,384.76	3/4	2,187.41	3/4	1,990.06	3/4	1,792.70	3/4	1,595.35
10	10	10	10	10	10	10	2,968.64	10	2,774.02	10	2,577.73	10	2,380.65	10	2,183.30	10	1,985.94	10	1,788.59	10	1,591.24
1/4		1/4		1/4		1/4	2,964.63	1/4	2,769.93	1/4	2,573.64	1/4	2,376.54	1/4	2,179.18	1/4	1,981.83	1/4	1,784.48	1/4	1,587.13
1/2		1/2		1/2		1/2	2,960.62	1/2	2,765.84	1/2	2,569.55	1/2	2,372.42	1/2	2,175.07	1/2	1,977.72	1/2	1,780.37	1/2	1,583.02
3/4		3/4		3/4		3/4	2,956.61	3/4	2,761.75	3/4	2,565.46	3/4	2,368.31	3/4	2,170.96	3/4	1,973.61	3/4	1,776.26	3/4	1,578.91
11	11	11	11	11	11	11	2,952.60	11	2,757.66	11	2,561.37	11	2,364.20	11	2,166.85	11	1,969.50	11	1,772.15	11	1,574.79
1/4		1/4		1/4		1/4	2,948.59	1/4	2,753.58	1/4	2,557.28	1/4	2,360.09	1/4	2,162.74	1/4	1,965.39	1/4	1,768.03	1/4	1,570.68
1/2		1/2		1/2		1/2	2,944.58	1/2	2,749.49	1/2	2,553.19	1/2	2,355.98	1/2	2,158.63	1/2	1,961.27	1/2	1,763.92	1/2	1,566.57
3/4		3/4		3/4		3/4	2,940.57	3/4	2,745.40	3/4	2,549.10	3/4	2,351.87	3/4	2,154.52	3/4	1,957.16	3/4	1,759.81	3/4	1,562.46

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 WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 30-01"

3 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-11 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTC Co 3000

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	1,558.35	0	1,361.00	0	1,163.64	0	966.29	0	768.94	0	571.59	0	374.74	0	185.42	0		0	
1/4	1,554.24	1/4	1,356.88	1/4	1,159.53	1/4	962.18	1/4	764.83	1/4	567.48	1/4	370.80	1/4	181.31	1/4		1/4	
1/2	1,550.12	1/2	1,352.77	1/2	1,155.42	1/2	958.07	1/2	760.72	1/2	563.36	1/2	366.86	1/2	177.20	1/2		1/2	
3/4	1,546.01	3/4	1,348.66	3/4	1,151.31	3/4	953.96	3/4	756.61	3/4	559.25	3/4	362.92	3/4	173.09	3/4		3/4	
1	1,541.90	1	1,344.55	1	1,147.20	1	949.85	1	752.49	1	555.14	1	358.98	1	168.97	1		1	
1/4	1,537.79	1/4	1,340.44	1/4	1,143.09	1/4	945.73	1/4	748.38	1/4	551.03	1/4	355.04	1/4	164.86	1/4		1/4	
1/2	1,533.68	1/2	1,336.33	1/2	1,138.97	1/2	941.62	1/2	744.27	1/2	546.92	1/2	351.10	1/2	160.75	1/2		1/2	
3/4	1,529.57	3/4	1,332.22	3/4	1,134.86	3/4	937.51	3/4	740.16	3/4	542.81	3/4	347.18	3/4	156.64	3/4		3/4	
2	1,525.46	2	1,328.10	2	1,130.75	2	933.40	2	736.05	2	538.70	2	343.25	2	152.53	2		2	
1/4	1,521.34	1/4	1,323.99	1/4	1,126.64	1/4	929.29	1/4	731.94	1/4	534.58	1/4	339.32	1/4	148.42	1/4		1/4	
1/2	1,517.23	1/2	1,319.88	1/2	1,122.53	1/2	925.18	1/2	727.82	1/2	530.47	1/2	335.39	1/2	144.31	1/2		1/2	
3/4	1,513.12	3/4	1,315.77	3/4	1,118.42	3/4	921.07	3/4	723.71	3/4	526.36	3/4	331.46	3/4	140.20	3/4		3/4	
3	1,509.01	3	1,311.66	3	1,114.31	3	916.95	3	719.60	3	522.25	3	327.53	3	136.08	3		3	
1/4	1,504.90	1/4	1,307.55	1/4	1,110.19	1/4	912.84	1/4	715.49	1/4	518.14	1/4	323.60	1/4	131.97	1/4		1/4	
1/2	1,500.79	1/2	1,303.43	1/2	1,106.08	1/2	908.73	1/2	711.38	1/2	514.03	1/2	319.67	1/2	127.86	1/2		1/2	
3/4	1,496.68	3/4	1,299.32	3/4	1,101.97	3/4	904.62	3/4	707.27	3/4	509.92	3/4	315.74	3/4	123.75	3/4		3/4	
4	1,492.56	4	1,295.21	4	1,097.86	4	900.51	4	703.16	4	505.80	4	311.81	4	119.64	4		4	
1/4	1,488.45	1/4	1,291.10	1/4	1,093.75	1/4	896.40	1/4	699.04	1/4	501.69	1/4	307.88	1/4	115.53	1/4		1/4	
1/2	1,484.34	1/2	1,286.99	1/2	1,089.64	1/2	892.28	1/2	694.93	1/2	497.58	1/2	303.95	1/2	111.42	1/2		1/2	
3/4	1,480.23	3/4	1,282.88	3/4	1,085.53	3/4	888.17	3/4	690.82	3/4	493.47	3/4	300.02	3/4	107.31	3/4		3/4	
5	1,476.12	5	1,278.77	5	1,081.41	5	884.06	5	686.71	5	489.36	5	296.09	5	103.19	5		5	
1/4	1,472.01	1/4	1,274.65	1/4	1,077.30	1/4	879.95	1/4	682.60	1/4	485.25	1/4	292.16	1/4	99.08	1/4		1/4	
1/2	1,467.89	1/2	1,270.54	1/2	1,073.19	1/2	875.84	1/2	678.49	1/2	481.13	1/2	288.23	1/2	94.97	1/2		1/2	
3/4	1,463.78	3/4	1,266.43	3/4	1,069.08	3/4	871.73	3/4	674.38	3/4	477.02	3/4	284.30	3/4	90.86	3/4		3/4	
6	1,459.67	6	1,262.32	6	1,064.97	6	867.62	6	670.26	6	472.91	6	280.37	6	86.75	6		6	
1/4	1,455.56	1/4	1,258.21	1/4	1,060.86	1/4	863.50	1/4	666.15	1/4	468.80	1/4	276.44	1/4	82.64	1/4		1/4	
1/2	1,451.45	1/2	1,254.10	1/2	1,056.74	1/2	859.39	1/2	662.04	1/2	464.69	1/2	272.51	1/2	78.53	1/2		1/2	
3/4	1,447.34	3/4	1,249.99	3/4	1,052.63	3/4	855.28	3/4	657.93	3/4	460.58	3/4	268.58	3/4	74.42	3/4		3/4	
7	1,443.23	7	1,245.87	7	1,048.52	7	851.17	7	653.82	7	456.47	7	264.65	7	70.30	7		7	
1/4	1,439.11	1/4	1,241.76	1/4	1,044.41	1/4	847.06	1/4	649.71	1/4	452.35	1/4	260.72	1/4	66.19	1/4		1/4	
1/2	1,435.00	1/2	1,237.65	1/2	1,040.30	1/2	842.95	1/2	645.59	1/2	448.24	1/2	256.79	1/2	62.08	1/2		1/2	
3/4	1,430.89	3/4	1,233.54	3/4	1,036.19	3/4	838.84	3/4	641.48	3/4	444.13	3/4	252.86	3/4	57.97	3/4		3/4	
8	1,426.78	8	1,229.43	8	1,032.08	8	834.72	8	637.37	8	440.02	8	248.94	8	53.86	8		8	
1/4	1,422.67	1/4	1,225.32	1/4	1,027.96	1/4	830.61	1/4	633.26	1/4	435.91	1/4	245.01	1/4	49.75	1/4		1/4	
1/2	1,418.56	1/2	1,221.20	1/2	1,023.85	1/2	826.50	1/2	629.15	1/2	431.80	1/2	241.08	1/2	45.64	1/2		1/2	
3/4	1,414.45	3/4	1,217.09	3/4	1,019.74	3/4	822.39	3/4	625.04	3/4	427.69	3/4	237.14	3/4	41.65	3/4		3/4	
9	1,410.33	9	1,212.98	9	1,015.63	9	818.28	9	620.93	9	423.57	9	233.21	9	37.67	9		9	
1/4	1,406.22	1/4	1,208.87	1/4	1,011.52	1/4	814.17	1/4	616.81	1/4	419.46	1/4	229.28	1/4	33.69	1/4		1/4	
1/2	1,402.11	1/2	1,204.76	1/2	1,007.41	1/2	810.05	1/2	612.70	1/2	415.35	1/2	225.35	1/2	29.70	1/2		1/2	
3/4	1,398.00	3/4	1,200.65	3/4	1,003.30	3/4	805.94	3/4	608.59	3/4	411.24	3/4	221.40	3/4	26.36	3/4		3/4	
10	1,393.89	10	1,196.54	10	999.18	10	801.83	10	604.48	10	407.13	10	217.46	10	23.02	10		10	
1/4	1,389.78	1/4	1,192.42	1/4	995.07	1/4	797.72	1/4	600.37	1/4	403.02	1/4	213.52	1/4	19.68	1/4		1/4	
1/2	1,385.66	1/2	1,188.31	1/2	990.96	1/2	793.61	1/2	596.26	1/2	398.90	1/2	209.58	1/2	16.34	1/2		1/2	
3/4	1,381.55	3/4	1,184.20	3/4	986.85	3/4	789.50	3/4	592.15	3/4	394.84	3/4	205.59	3/4	14.03	3/4		3/4	
11	1,377.44	11	1,180.09	11	982.74	11	785.39	11	588.03	11	390.77	11	201.61	11	11.72	11		11	
1/4	1,373.33	1/4	1,175.98	1/4	978.63	1/4	781.27	1/4	583.92	1/4	386.70	1/4	197.63	1/4	9.41	1/4		1/4	
1/2	1,369.22	1/2	1,171.87	1/2	974.51	1/2	777.16	1/2	579.81	1/2	382.63	1/2	193.64	1/2	7.09	1/2		1/2	
3/4	1,365.11	3/4	1,167.76	3/4	970.40	3/4	773.05	3/4	575.70	3/4	378.69	3/4	189.53	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2014 CL
RECALCULATED: 04/03/2020 CL
REPRINTED: 04/03/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 30-01"

4 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 3000

GAUGE HEIGHT 17'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0	0	0	0	0	0	0	2,939.86	0	2,744.38	0	2,547.87	0	2,350.39	0	2,152.82	0	1,955.25	0	1,757.67		
1/4		1/4		1/4		1/4	2,935.85	1/4	2,740.29	1/4	2,543.77	1/4	2,346.28	1/4	2,148.70	1/4	1,951.13	1/4	1,753.56		
1/2		1/2		1/2		1/2	2,931.83	1/2	2,736.20	1/2	2,539.68	1/2	2,342.16	1/2	2,144.59	1/2	1,947.01	1/2	1,749.44		
3/4		3/4		3/4		3/4	2,927.82	3/4	2,732.10	3/4	2,535.58	3/4	2,338.04	3/4	2,140.47	3/4	1,942.90	3/4	1,745.32		
1	1	1	1	1	1	1	2,923.80	1	2,728.01	1	2,531.47	1	2,333.93	1	2,136.35	1	1,938.78	1	1,741.21		
1/4		1/4		1/4		1/4	2,919.79	1/4	2,723.91	1/4	2,527.37	1/4	2,329.81	1/4	2,132.24	1/4	1,934.67	1/4	1,737.09		
1/2		1/2		1/2		1/2	2,915.78	1/2	2,719.82	1/2	2,523.27	1/2	2,325.70	1/2	2,128.12	1/2	1,930.55	1/2	1,732.98		
3/4		3/4		3/4		3/4	2,911.76	3/4	2,715.73	3/4	2,519.15	3/4	2,321.58	3/4	2,124.01	3/4	1,926.43	3/4	1,728.86		
2	2	2	2	2	2	2	2,907.75	2	2,711.63	2	2,515.04	2	2,317.46	2	2,119.89	2	1,922.32	2	1,724.74		
1/4		1/4		1/4		1/4	2,903.73	1/4	2,707.54	1/4	2,510.92	1/4	2,313.35	1/4	2,115.77	1/4	1,918.20	1/4	1,720.63		
1/2		1/2		1/2		1/2	2,899.72	1/2	2,703.44	1/2	2,506.80	1/2	2,309.23	1/2	2,111.66	1/2	1,914.09	1/2	1,716.51		
3/4		3/4		3/4		3/4	2,895.69	3/4	2,699.35	3/4	2,502.69	3/4	2,305.11	3/4	2,107.54	3/4	1,909.97	3/4	1,712.40		
3	3	3	3	3	3	3	2,891.65	3	2,695.25	3	2,498.57	3	2,301.00	3	2,103.43	3	1,905.85	3	1,708.28		
1/4		1/4		1/4		1/4	2,887.62	1/4	2,691.16	1/4	2,494.46	1/4	2,296.88	1/4	2,099.31	1/4	1,901.74	1/4	1,704.16		
1/2		1/2		1/2		1/2	2,883.58	1/2	2,687.07	1/2	2,490.34	1/2	2,292.77	1/2	2,095.19	1/2	1,897.62	1/2	1,700.05		
3/4		3/4		3/4		3/4	2,879.49	3/4	2,682.97	3/4	2,486.22	3/4	2,288.65	3/4	2,091.08	3/4	1,893.50	3/4	1,695.93		
4	4	4	4	4	4	4	2,875.40	4	2,678.88	4	2,482.11	4	2,284.53	4	2,086.96	4	1,889.39	4	1,691.82		
1/4		1/4		1/4		1/4	2,871.30	1/4	2,674.78	1/4	2,477.99	1/4	2,280.42	1/4	2,082.85	1/4	1,885.27	1/4	1,687.70		
1/2		1/2		1/2		1/2	2,867.21	1/2	2,670.69	1/2	2,473.87	1/2	2,276.30	1/2	2,078.73	1/2	1,881.16	1/2	1,683.58		
3/4		3/4		3/4		3/4	2,863.11	3/4	2,666.60	3/4	2,469.76	3/4	2,272.19	3/4	2,074.61	3/4	1,877.04	3/4	1,679.47		
5	5	5	5	5	5	5	2,859.02	5	2,662.50	5	2,465.64	5	2,268.07	5	2,070.50	5	1,872.92	5	1,675.35		
1/4		1/4		1/4		1/4	2,854.92	1/4	2,658.41	1/4	2,461.53	1/4	2,263.95	1/4	2,066.38	1/4	1,868.81	1/4	1,671.24		
1/2		1/2		1/2		1/2	2,850.83	1/2	2,654.31	1/2	2,457.41	1/2	2,259.84	1/2	2,062.26	1/2	1,864.69	1/2	1,667.12		
3/4		3/4		3/4		3/4	2,846.74	3/4	2,650.22	3/4	2,453.29	3/4	2,255.72	3/4	2,058.15	3/4	1,860.58	3/4	1,663.00		
6	6	6	6	6	6	6	2,842.64	6	2,646.13	6	2,449.18	6	2,251.61	6	2,054.03	6	1,856.46	6	1,658.89		
1/4		1/4		1/4		1/4	2,838.55	1/4	2,642.03	1/4	2,445.06	1/4	2,247.49	1/4	2,049.92	1/4	1,852.34	1/4	1,654.77		
1/2		1/2		1/2		1/2	3,019.25	1/2	2,834.45	1/2	2,637.94	1/2	2,440.95	1/2	2,243.37	1/2	2,045.80	1/2	1,848.23	1/2	1,650.65
3/4		3/4		3/4		3/4	3,016.95	3/4	2,830.36	3/4	2,633.84	3/4	2,436.83	3/4	2,239.26	3/4	2,041.68	3/4	1,844.11	3/4	1,646.54
7	7	7	7	7	7	7	3,014.66	7	2,826.27	7	2,629.75	7	2,432.71	7	2,235.14	7	2,037.57	7	1,840.00	7	1,642.42
1/4		1/4		1/4		1/4	3,012.36	1/4	2,822.17	1/4	2,625.66	1/4	2,428.60	1/4	2,231.02	1/4	2,033.45	1/4	1,835.88	1/4	1,638.31
1/2		1/2		1/2		1/2	3,010.06	1/2	2,818.08	1/2	2,621.56	1/2	2,424.48	1/2	2,226.91	1/2	2,029.34	1/2	1,831.76	1/2	1,634.19
3/4		3/4		3/4		3/4	3,006.56	3/4	2,813.98	3/4	2,617.47	3/4	2,420.37	3/4	2,222.79	3/4	2,025.22	3/4	1,827.65	3/4	1,630.07
8	8	8	8	8	8	8	3,003.06	8	2,809.89	8	2,613.37	8	2,416.25	8	2,218.68	8	2,021.10	8	1,823.53	8	1,625.96
1/4		1/4		1/4		1/4	2,999.56	1/4	2,805.80	1/4	2,609.28	1/4	2,412.13	1/4	2,214.56	1/4	2,016.99	1/4	1,819.41	1/4	1,621.84
1/2		1/2		1/2		1/2	2,996.06	1/2	2,801.70	1/2	2,605.18	1/2	2,408.02	1/2	2,210.44	1/2	2,012.87	1/2	1,815.30	1/2	1,617.73
3/4		3/4		3/4		3/4	2,992.04	3/4	2,797.61	3/4	2,601.09	3/4	2,403.90	3/4	2,206.33	3/4	2,008.76	3/4	1,811.18	3/4	1,613.61
9	9	9	9	9	9	9	2,988.03	9	2,793.51	9	2,597.00	9	2,399.78	9	2,202.21	9	2,004.64	9	1,807.07	9	1,609.49
1/4		1/4		1/4		1/4	2,984.02	1/4	2,789.42	1/4	2,592.90	1/4	2,395.67	1/4	2,198.10	1/4	2,000.52	1/4	1,802.95	1/4	1,605.38
1/2		1/2		1/2		1/2	2,980.00	1/2	2,785.33	1/2	2,588.81	1/2	2,391.55	1/2	2,193.98	1/2	1,996.41	1/2	1,798.83	1/2	1,601.26
3/4		3/4		3/4		3/4	2,975.99	3/4	2,781.23	3/4	2,584.71	3/4	2,387.44	3/4	2,189.86	3/4	1,992.29	3/4	1,794.72	3/4	1,597.15
10	10	10	10	10	10	10	2,971.97	10	2,777.14	10	2,580.62	10	2,383.32	10	2,185.75	10	1,988.17	10	1,790.60	10	1,593.03
1/4		1/4		1/4		1/4	2,967.96	1/4	2,773.04	1/4	2,576.53	1/4	2,379.20	1/4	2,181.63	1/4	1,984.06	1/4	1,786.49	1/4	1,588.91
1/2		1/2		1/2		1/2	2,963.95	1/2	2,768.95	1/2	2,572.43	1/2	2,375.09	1/2	2,177.52	1/2	1,979.94	1/2	1,782.37	1/2	1,584.80
3/4		3/4		3/4		3/4	2,959.93	3/4	2,764.85	3/4	2,568.34	3/4	2,370.97	3/4	2,173.40	3/4	1,975.83	3/4	1,778.25	3/4	1,580.68
11	11	11	11	11	11	11	2,955.92	11	2,760.76	11	2,564.24	11	2,366.86	11	2,169.28	11	1,971.71	11	1,774.14	11	1,576.56
1/4		1/4		1/4		1/4	2,951.90	1/4	2,756.67	1/4	2,560.15	1/4	2,362.74	1/4	2,165.17	1/4	1,967.59	1/4	1,770.02	1/4	1,572.45
1/2		1/2		1/2		1/2	2,947.89	1/2	2,752.57	1/2	2,556.06	1/2	2,358.62	1/2	2,161.05	1/2	1,963.48	1/2	1,765.91	1/2	1,568.33
3/4		3/4		3/4		3/4	2,943.87	3/4	2,748.48	3/4	2,551.96	3/4	2,354.51	3/4	2,156.93	3/4	1,959.36	3/4	1,761.79	3/4	1,564.22

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 WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 30-01"

4 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTC Co 3000

GAUGE HEIGHT 17'-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,560.10	0	1,362.53	0	1,164.95	0	967.38	0	769.81	0	572.24	0	375.17	0	185.63	0		0	
1/4	1,555.98	1/4	1,358.41	1/4	1,160.84	1/4	963.27	1/4	765.69	1/4	568.12	1/4	371.23	1/4	181.51	1/4		1/4	
1/2	1,551.87	1/2	1,354.30	1/2	1,156.72	1/2	959.15	1/2	761.58	1/2	564.00	1/2	367.28	1/2	177.40	1/2		1/2	
3/4	1,547.75	3/4	1,350.18	3/4	1,152.61	3/4	955.03	3/4	757.46	3/4	559.89	3/4	363.34	3/4	173.28	3/4		3/4	
1	1,543.64	1	1,346.06	1	1,148.49	1	950.92	1	753.34	1	555.77	1	359.39	1	169.16	1		1	
1/4	1,539.52	1/4	1,341.95	1/4	1,144.37	1/4	946.80	1/4	749.23	1/4	551.66	1/4	355.45	1/4	165.05	1/4		1/4	
1/2	1,535.40	1/2	1,337.83	1/2	1,140.26	1/2	942.69	1/2	745.11	1/2	547.54	1/2	351.51	1/2	160.93	1/2		1/2	
3/4	1,531.29	3/4	1,333.71	3/4	1,136.14	3/4	938.57	3/4	741.00	3/4	543.42	3/4	347.57	3/4	156.82	3/4		3/4	
2	1,527.17	2	1,329.60	2	1,132.03	2	934.45	2	736.88	2	539.31	2	343.64	2	152.70	2		2	
1/4	1,523.06	1/4	1,325.48	1/4	1,127.91	1/4	930.34	1/4	732.76	1/4	535.19	1/4	339.70	1/4	148.58	1/4		1/4	
1/2	1,518.94	1/2	1,321.37	1/2	1,123.79	1/2	926.22	1/2	728.65	1/2	531.08	1/2	335.77	1/2	144.47	1/2		1/2	
3/4	1,514.82	3/4	1,317.25	3/4	1,119.68	3/4	922.10	3/4	724.53	3/4	526.96	3/4	331.84	3/4	140.35	3/4		3/4	
3	1,510.71	3	1,313.13	3	1,115.56	3	917.99	3	720.42	3	522.84	3	327.90	3	136.24	3		3	
1/4	1,506.59	1/4	1,309.02	1/4	1,111.45	1/4	913.87	1/4	716.30	1/4	518.73	1/4	323.97	1/4	132.12	1/4		1/4	
1/2	1,502.48	1/2	1,304.90	1/2	1,107.33	1/2	909.76	1/2	712.18	1/2	514.61	1/2	320.03	1/2	128.00	1/2		1/2	
3/4	1,498.36	3/4	1,300.79	3/4	1,103.21	3/4	905.64	3/4	708.07	3/4	510.49	3/4	316.10	3/4	123.89	3/4		3/4	
4	1,494.24	4	1,296.67	4	1,099.10	4	901.52	4	703.95	4	506.38	4	312.16	4	119.77	4		4	
1/4	1,490.13	1/4	1,292.55	1/4	1,094.98	1/4	897.41	1/4	699.84	1/4	502.26	1/4	308.23	1/4	115.66	1/4		1/4	
1/2	1,486.01	1/2	1,288.44	1/2	1,090.87	1/2	893.29	1/2	695.72	1/2	498.15	1/2	304.30	1/2	111.54	1/2		1/2	
3/4	1,481.89	3/4	1,284.32	3/4	1,086.75	3/4	889.18	3/4	691.60	3/4	494.03	3/4	300.36	3/4	107.43	3/4		3/4	
5	1,477.78	5	1,280.21	5	1,082.63	5	885.06	5	687.49	5	489.91	5	296.43	5	103.31	5		5	
1/4	1,473.66	1/4	1,276.09	1/4	1,078.52	1/4	880.94	1/4	683.37	1/4	485.80	1/4	292.49	1/4	99.19	1/4		1/4	
1/2	1,469.55	1/2	1,271.97	1/2	1,074.40	1/2	876.83	1/2	679.26	1/2	481.68	1/2	288.56	1/2	95.08	1/2		1/2	
3/4	1,465.43	3/4	1,267.86	3/4	1,070.28	3/4	872.71	3/4	675.14	3/4	477.57	3/4	284.62	3/4	90.96	3/4		3/4	
6	1,461.31	6	1,263.74	6	1,066.17	6	868.60	6	671.02	6	473.45	6	280.69	6	86.85	6		6	
1/4	1,457.20	1/4	1,259.63	1/4	1,062.05	1/4	864.48	1/4	666.91	1/4	469.33	1/4	276.76	1/4	82.73	1/4		1/4	
1/2	1,453.08	1/2	1,255.51	1/2	1,057.94	1/2	860.36	1/2	662.79	1/2	465.22	1/2	272.82	1/2	78.61	1/2		1/2	
3/4	1,448.97	3/4	1,251.39	3/4	1,053.82	3/4	856.25	3/4	658.67	3/4	461.10	3/4	268.89	3/4	74.50	3/4		3/4	
7	1,444.85	7	1,247.28	7	1,049.70	7	852.13	7	654.56	7	456.99	7	264.95	7	70.38	7		7	
1/4	1,440.73	1/4	1,243.16	1/4	1,045.59	1/4	848.02	1/4	650.44	1/4	452.87	1/4	261.02	1/4	66.27	1/4		1/4	
1/2	1,436.62	1/2	1,239.04	1/2	1,041.47	1/2	843.90	1/2	646.33	1/2	448.75	1/2	257.08	1/2	62.15	1/2		1/2	
3/4	1,432.50	3/4	1,234.93	3/4	1,037.36	3/4	839.78	3/4	642.21	3/4	444.64	3/4	253.15	3/4	58.03	3/4		3/4	
8	1,428.39	8	1,230.81	8	1,033.24	8	835.67	8	638.09	8	440.52	8	249.22	8	53.92	8		8	
1/4	1,424.27	1/4	1,226.70	1/4	1,029.12	1/4	831.55	1/4	633.98	1/4	436.41	1/4	245.28	1/4	49.80	1/4		1/4	
1/2	1,420.15	1/2	1,222.58	1/2	1,025.01	1/2	827.43	1/2	629.86	1/2	432.29	1/2	241.35	1/2	45.69	1/2		1/2	
3/4	1,416.04	3/4	1,218.46	3/4	1,020.89	3/4	823.32	3/4	625.75	3/4	428.17	3/4	237.41	3/4	41.70	3/4		3/4	
9	1,411.92	9	1,214.35	9	1,016.78	9	819.20	9	621.63	9	424.06	9	233.47	9	37.71	9		9	
1/4	1,407.80	1/4	1,210.23	1/4	1,012.66	1/4	815.09	1/4	617.51	1/4	419.94	1/4	229.54	1/4	33.72	1/4		1/4	
1/2	1,403.69	1/2	1,206.12	1/2	1,008.54	1/2	810.97	1/2	613.40	1/2	415.82	1/2	225.60	1/2	29.74	1/2		1/2	
3/4	1,399.57	3/4	1,202.00	3/4	1,004.43	3/4	806.85	3/4	609.28	3/4	411.71	3/4	221.65	3/4	26.39	3/4		3/4	
10	1,395.46	10	1,197.88	10	1,000.31	10	802.74	10	605.17	10	407.59	10	217.71	10	23.05	10		10	
1/4	1,391.34	1/4	1,193.77	1/4	996.19	1/4	798.62	1/4	601.05	1/4	403.48	1/4	213.76	1/4	19.71	1/4		1/4	
1/2	1,387.22	1/2	1,189.65	1/2	992.08	1/2	794.51	1/2	596.93	1/2	399.36	1/2	209.81	1/2	16.36	1/2		1/2	
3/4	1,383.11	3/4	1,185.54	3/4	987.96	3/4	790.39	3/4	592.82	3/4	395.29	3/4	205.82	3/4	14.05	3/4		3/4	
11	1,378.99	11	1,181.42	11	983.85	11	786.27	11	588.70	11	391.21	11	201.84	11	11.73	11		11	
1/4	1,374.88	1/4	1,177.30	1/4	979.73	1/4	782.16	1/4	584.58	1/4	387.14	1/4	197.85	1/4	9.42	1/4		1/4	
1/2	1,370.76	1/2	1,173.19	1/2	975.61	1/2	778.04	1/2	580.47	1/2	383.07	1/2	193.86	1/2	7.10	1/2		1/2	
3/4	1,366.64	3/4	1,169.07	3/4	971.50	3/4	773.93	3/4	576.35	3/4	379.12	3/4	189.74	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2014 CL
RECALCULATED: 04/03/2020 CL
REPRINTED: 04/03/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 30-01"

4 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 3000

GAUGE HEIGHT 17'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	2,937.15	0	2,741.81	0	2,545.42	0	2,348.10	0	2,150.66	0	1,953.22	0	1,755.78
1/4		1/4		1/4		1/4	2,933.14	1/4	2,737.72	1/4	2,541.33	1/4	2,343.99	1/4	2,146.55	1/4	1,949.10	1/4	1,751.66
1/2		1/2		1/2		1/2	2,929.13	1/2	2,733.63	1/2	2,537.24	1/2	2,339.88	1/2	2,142.43	1/2	1,944.99	1/2	1,747.55
3/4		3/4		3/4		3/4	2,925.12	3/4	2,729.54	3/4	2,533.15	3/4	2,335.76	3/4	2,138.32	3/4	1,940.88	3/4	1,743.44
1	1	1	1	1	1	1	2,921.11	1	2,725.45	1	2,529.05	1	2,331.65	1	2,134.21	1	1,936.76	1	1,739.32
1/4		1/4		1/4		1/4	2,917.10	1/4	2,721.36	1/4	2,524.96	1/4	2,327.54	1/4	2,130.09	1/4	1,932.65	1/4	1,735.21
1/2		1/2		1/2		1/2	2,913.09	1/2	2,717.26	1/2	2,520.87	1/2	2,323.42	1/2	2,125.98	1/2	1,928.54	1/2	1,731.09
3/4		3/4		3/4		3/4	2,909.07	3/4	2,713.17	3/4	2,516.75	3/4	2,319.31	3/4	2,121.87	3/4	1,924.42	3/4	1,726.98
2	2	2	2	2	2	2	2,905.06	2	2,709.08	2	2,512.64	2	2,315.20	2	2,117.75	2	1,920.31	2	1,722.87
1/4		1/4		1/4		1/4	2,901.05	1/4	2,704.99	1/4	2,508.53	1/4	2,311.08	1/4	2,113.64	1/4	1,916.20	1/4	1,718.75
1/2		1/2		1/2		1/2	2,897.04	1/2	2,700.90	1/2	2,504.41	1/2	2,306.97	1/2	2,109.53	1/2	1,912.08	1/2	1,714.64
3/4		3/4		3/4		3/4	2,893.01	3/4	2,696.81	3/4	2,500.30	3/4	2,302.86	3/4	2,105.41	3/4	1,907.97	3/4	1,710.53
3	3	3	3	3	3	3	2,888.98	3	2,692.72	3	2,496.19	3	2,298.74	3	2,101.30	3	1,903.86	3	1,706.41
1/4		1/4		1/4		1/4	2,884.95	1/4	2,688.62	1/4	2,492.07	1/4	2,294.63	1/4	2,097.19	1/4	1,899.74	1/4	1,702.30
1/2		1/2		1/2		1/2	2,880.92	1/2	2,684.53	1/2	2,487.96	1/2	2,290.52	1/2	2,093.07	1/2	1,895.63	1/2	1,698.19
3/4		3/4		3/4		3/4	2,876.83	3/4	2,680.44	3/4	2,483.85	3/4	2,286.40	3/4	2,088.96	3/4	1,891.52	3/4	1,694.07
4	4	4	4	4	4	4	2,872.74	4	2,676.35	4	2,479.73	4	2,282.29	4	2,084.85	4	1,887.40	4	1,689.96
1/4		1/4		1/4		1/4	2,868.65	1/4	2,672.26	1/4	2,475.62	1/4	2,278.18	1/4	2,080.73	1/4	1,883.29	1/4	1,685.85
1/2		1/2		1/2		1/2	2,864.55	1/2	2,668.17	1/2	2,471.51	1/2	2,274.06	1/2	2,076.62	1/2	1,879.18	1/2	1,681.73
3/4		3/4		3/4		3/4	2,860.46	3/4	2,664.08	3/4	2,467.39	3/4	2,269.95	3/4	2,072.51	3/4	1,875.06	3/4	1,677.62
5	5	5	5	5	5	5	2,856.37	5	2,659.98	5	2,463.28	5	2,265.84	5	2,068.39	5	1,870.95	5	1,673.51
1/4		1/4		1/4		1/4	2,852.28	1/4	2,655.89	1/4	2,459.17	1/4	2,261.72	1/4	2,064.28	1/4	1,866.84	1/4	1,669.39
1/2		1/2		1/2		1/2	2,848.19	1/2	2,651.80	1/2	2,455.05	1/2	2,257.61	1/2	2,060.17	1/2	1,862.72	1/2	1,665.28
3/4		3/4		3/4		3/4	2,844.10	3/4	2,647.71	3/4	2,450.94	3/4	2,253.50	3/4	2,056.05	3/4	1,858.61	3/4	1,661.17
6	6	6	6	6	6	6	2,840.01	6	2,643.62	6	2,446.83	6	2,249.38	6	2,051.94	6	1,854.50	6	1,657.05
1/4		1/4		1/4		1/4	2,835.91	1/4	2,639.53	1/4	2,442.71	1/4	2,245.27	1/4	2,047.83	1/4	1,850.38	1/4	1,652.94
1/2		1/2		1/2		1/2	3,016.49	1/2	2,831.82	1/2	2,635.44	1/2	2,438.60	1/2	2,241.16	1/2	2,043.71	1/2	1,846.27
3/4		3/4		3/4		3/4	3,014.19	3/4	2,827.73	3/4	2,631.34	3/4	2,434.49	3/4	2,237.04	3/4	2,039.60	3/4	1,842.16
7	7	7	7	7	7	7	3,011.89	7	2,823.64	7	2,627.25	7	2,430.37	7	2,232.93	7	2,035.49	7	1,838.04
1/4		1/4		1/4		1/4	3,009.60	1/4	2,819.55	1/4	2,623.16	1/4	2,426.26	1/4	2,228.82	1/4	2,031.37	1/4	1,833.93
1/2		1/2		1/2		1/2	3,007.30	1/2	2,815.46	1/2	2,619.07	1/2	2,422.15	1/2	2,224.70	1/2	2,027.26	1/2	1,829.82
3/4		3/4		3/4		3/4	3,003.80	3/4	2,811.37	3/4	2,614.98	3/4	2,418.03	3/4	2,220.59	3/4	2,023.15	3/4	1,825.70
8	8	8	8	8	8	8	3,000.31	8	2,807.27	8	2,610.89	8	2,413.92	8	2,216.48	8	2,019.03	8	1,821.59
1/4		1/4		1/4		1/4	2,996.81	1/4	2,803.18	1/4	2,606.80	1/4	2,409.81	1/4	2,212.36	1/4	2,014.92	1/4	1,817.48
1/2		1/2		1/2		1/2	2,993.31	1/2	2,799.09	1/2	2,602.70	1/2	2,405.69	1/2	2,208.25	1/2	2,010.81	1/2	1,813.36
3/4		3/4		3/4		3/4	2,989.30	3/4	2,795.00	3/4	2,598.61	3/4	2,401.58	3/4	2,204.14	3/4	2,006.69	3/4	1,809.25
9	9	9	9	9	9	9	2,985.29	9	2,790.91	9	2,594.52	9	2,397.47	9	2,200.02	9	2,002.58	9	1,805.14
1/4		1/4		1/4		1/4	2,981.28	1/4	2,786.82	1/4	2,590.43	1/4	2,393.35	1/4	2,195.91	1/4	1,998.47	1/4	1,801.02
1/2		1/2		1/2		1/2	2,977.27	1/2	2,782.73	1/2	2,586.34	1/2	2,389.24	1/2	2,191.80	1/2	1,994.35	1/2	1,796.91
3/4		3/4		3/4		3/4	2,973.26	3/4	2,778.63	3/4	2,582.25	3/4	2,385.13	3/4	2,187.68	3/4	1,990.24	3/4	1,792.80
10	10	10	10	10	10	10	2,969.24	10	2,774.54	10	2,578.16	10	2,381.01	10	2,183.57	10	1,986.13	10	1,788.68
1/4		1/4		1/4		1/4	2,965.23	1/4	2,770.45	1/4	2,574.06	1/4	2,376.90	1/4	2,179.46	1/4	1,982.01	1/4	1,784.57
1/2		1/2		1/2		1/2	2,961.22	1/2	2,766.36	1/2	2,569.97	1/2	2,372.79	1/2	2,175.34	1/2	1,977.90	1/2	1,780.46
3/4		3/4		3/4		3/4	2,957.21	3/4	2,762.27	3/4	2,565.88	3/4	2,368.67	3/4	2,171.23	3/4	1,973.79	3/4	1,776.34
11	11	11	11	11	11	11	2,953.20	11	2,758.18	11	2,561.79	11	2,364.56	11	2,167.12	11	1,969.67	11	1,772.23
1/4		1/4		1/4		1/4	2,949.19	1/4	2,754.09	1/4	2,557.70	1/4	2,360.45	1/4	2,163.00	1/4	1,965.56	1/4	1,768.12
1/2		1/2		1/2		1/2	2,945.18	1/2	2,749.99	1/2	2,553.61	1/2	2,356.33	1/2	2,158.89	1/2	1,961.45	1/2	1,764.00
3/4		3/4		3/4		3/4	2,941.17	3/4	2,745.90	3/4	2,549.52	3/4	2,352.22	3/4	2,154.78	3/4	1,957.33	3/4	1,759.89

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 WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 30-01"

4 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-11 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTC Co 3000

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	1,558.33	0	1,360.89	0	1,163.45	0	966.00	0	768.56	0	571.12	0	374.19	0	185.50	0		0	
1/4	1,554.22	1/4	1,356.78	1/4	1,159.33	1/4	961.89	1/4	764.45	1/4	567.00	1/4	370.26	1/4	181.39	1/4		1/4	
1/2	1,550.11	1/2	1,352.66	1/2	1,155.22	1/2	957.78	1/2	760.33	1/2	562.89	1/2	366.32	1/2	177.28	1/2		1/2	
3/4	1,545.99	3/4	1,348.55	3/4	1,151.11	3/4	953.66	3/4	756.22	3/4	558.78	3/4	362.40	3/4	173.16	3/4		3/4	
1	1,541.88	1	1,344.44	1	1,146.99	1	949.55	1	752.11	1	554.66	1	358.48	1	169.05	1		1	
1/4	1,537.77	1/4	1,340.32	1/4	1,142.88	1/4	945.44	1/4	747.99	1/4	550.55	1/4	354.56	1/4	164.94	1/4		1/4	
1/2	1,533.65	1/2	1,336.21	1/2	1,138.77	1/2	941.32	1/2	743.88	1/2	546.44	1/2	350.64	1/2	160.82	1/2		1/2	
3/4	1,529.54	3/4	1,332.10	3/4	1,134.65	3/4	937.21	3/4	739.77	3/4	542.32	3/4	346.72	3/4	156.71	3/4		3/4	
2	1,525.42	2	1,327.98	2	1,130.54	2	933.10	2	735.65	2	538.21	2	342.81	2	152.60	2		2	
1/4	1,521.31	1/4	1,323.87	1/4	1,126.43	1/4	928.98	1/4	731.54	1/4	534.10	1/4	338.90	1/4	148.48	1/4		1/4	
1/2	1,517.20	1/2	1,319.75	1/2	1,122.31	1/2	924.87	1/2	727.43	1/2	529.98	1/2	334.98	1/2	144.37	1/2		1/2	
3/4	1,513.08	3/4	1,315.64	3/4	1,118.20	3/4	920.76	3/4	723.31	3/4	525.87	3/4	331.07	3/4	140.26	3/4		3/4	
3	1,508.97	3	1,311.53	3	1,114.08	3	916.64	3	719.20	3	521.76	3	327.15	3	136.14	3		3	
1/4	1,504.86	1/4	1,307.41	1/4	1,109.97	1/4	912.53	1/4	715.09	1/4	517.64	1/4	323.24	1/4	132.03	1/4		1/4	
1/2	1,500.74	1/2	1,303.30	1/2	1,105.86	1/2	908.41	1/2	710.97	1/2	513.53	1/2	319.33	1/2	127.92	1/2		1/2	
3/4	1,496.63	3/4	1,299.19	3/4	1,101.74	3/4	904.30	3/4	706.86	3/4	509.42	3/4	315.41	3/4	123.81	3/4		3/4	
4	1,492.52	4	1,295.07	4	1,097.63	4	900.19	4	702.74	4	505.30	4	311.50	4	119.69	4		4	
1/4	1,488.40	1/4	1,290.96	1/4	1,093.52	1/4	896.07	1/4	698.63	1/4	501.19	1/4	307.58	1/4	115.58	1/4		1/4	
1/2	1,484.29	1/2	1,286.85	1/2	1,089.40	1/2	891.96	1/2	694.52	1/2	497.07	1/2	303.67	1/2	111.47	1/2		1/2	
3/4	1,480.18	3/4	1,282.73	3/4	1,085.29	3/4	887.85	3/4	690.40	3/4	492.96	3/4	299.75	3/4	107.35	3/4		3/4	
5	1,476.06	5	1,278.62	5	1,081.18	5	883.73	5	686.29	5	488.85	5	295.84	5	103.24	5		5	
1/4	1,471.95	1/4	1,274.51	1/4	1,077.06	1/4	879.62	1/4	682.18	1/4	484.73	1/4	291.93	1/4	99.13	1/4		1/4	
1/2	1,467.84	1/2	1,270.39	1/2	1,072.95	1/2	875.51	1/2	678.06	1/2	480.62	1/2	288.01	1/2	95.01	1/2		1/2	
3/4	1,463.72	3/4	1,266.28	3/4	1,068.84	3/4	871.39	3/4	673.95	3/4	476.51	3/4	284.10	3/4	90.90	3/4		3/4	
6	1,459.61	6	1,262.17	6	1,064.72	6	867.28	6	669.84	6	472.39	6	280.18	6	86.79	6		6	
1/4	1,455.50	1/4	1,258.05	1/4	1,060.61	1/4	863.17	1/4	665.72	1/4	468.28	1/4	276.27	1/4	82.67	1/4		1/4	
1/2	1,451.38	1/2	1,253.94	1/2	1,056.50	1/2	859.05	1/2	661.61	1/2	464.17	1/2	272.36	1/2	78.56	1/2		1/2	
3/4	1,447.27	3/4	1,249.83	3/4	1,052.38	3/4	854.94	3/4	657.50	3/4	460.05	3/4	268.44	3/4	74.45	3/4		3/4	
7	1,443.16	7	1,245.71	7	1,048.27	7	850.83	7	653.38	7	455.94	7	264.53	7	70.34	7		7	
1/4	1,439.04	1/4	1,241.60	1/4	1,044.16	1/4	846.71	1/4	649.27	1/4	451.83	1/4	260.61	1/4	66.22	1/4		1/4	
1/2	1,434.93	1/2	1,237.49	1/2	1,040.04	1/2	842.60	1/2	645.16	1/2	447.71	1/2	256.70	1/2	62.11	1/2		1/2	
3/4	1,430.82	3/4	1,233.37	3/4	1,035.93	3/4	838.49	3/4	641.04	3/4	443.60	3/4	252.79	3/4	58.00	3/4		3/4	
8	1,426.70	8	1,229.26	8	1,031.82	8	834.37	8	636.93	8	439.49	8	248.87	8	53.88	8		8	
1/4	1,422.59	1/4	1,225.15	1/4	1,027.70	1/4	830.26	1/4	632.82	1/4	435.37	1/4	244.96	1/4	49.77	1/4		1/4	
1/2	1,418.48	1/2	1,221.03	1/2	1,023.59	1/2	826.15	1/2	628.70	1/2	431.26	1/2	241.04	1/2	45.66	1/2		1/2	
3/4	1,414.36	3/4	1,216.92	3/4	1,019.48	3/4	822.03	3/4	624.59	3/4	427.15	3/4	237.13	3/4	41.67	3/4		3/4	
9	1,410.25	9	1,212.81	9	1,015.36	9	817.92	9	620.48	9	423.03	9	233.21	9	37.69	9		9	
1/4	1,406.14	1/4	1,208.69	1/4	1,011.25	1/4	813.81	1/4	616.36	1/4	418.92	1/4	229.30	1/4	33.70	1/4		1/4	
1/2	1,402.02	1/2	1,204.58	1/2	1,007.14	1/2	809.69	1/2	612.25	1/2	414.81	1/2	225.38	1/2	29.72	1/2		1/2	
3/4	1,397.91	3/4	1,200.47	3/4	1,003.02	3/4	805.58	3/4	608.14	3/4	410.69	3/4	221.45	3/4	26.38	3/4		3/4	
10	1,393.80	10	1,196.35	10	998.91	10	801.47	10	604.02	10	406.58	10	217.53	10	23.03	10		10	
1/4	1,389.68	1/4	1,192.24	1/4	994.80	1/4	797.35	1/4	599.91	1/4	402.47	1/4	213.60	1/4	19.69	1/4		1/4	
1/2	1,385.57	1/2	1,188.13	1/2	990.68	1/2	793.24	1/2	595.80	1/2	398.35	1/2	209.67	1/2	16.35	1/2		1/2	
3/4	1,381.46	3/4	1,184.01	3/4	986.57	3/4	789.13	3/4	591.68	3/4	394.28	3/4	205.69	3/4	14.04	3/4		3/4	
11	1,377.34	11	1,179.90	11	982.46	11	785.01	11	587.57	11	390.21	11	201.70	11	11.72	11		11	
1/4	1,373.23	1/4	1,175.79	1/4	978.34	1/4	780.90	1/4	583.46	1/4	386.14	1/4	197.71	1/4	9.41	1/4		1/4	
1/2	1,369.12	1/2	1,171.67	1/2	974.23	1/2	776.79	1/2	579.34	1/2	382.07	1/2	193.73	1/2	7.10	1/2		1/2	
3/4	1,365.00	3/4	1,167.56	3/4	970.12	3/4	772.67	3/4	575.23	3/4	378.13	3/4	189.61	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2014 CL
RECALCULATED: 04/03/2020 CL
REPRINTED: 04/03/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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BARGE "KIRBY 30-01"

5 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 3000

GAUGE HEIGHT 17'-11 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		0		0	2,931.76	0	2,737.13	0	2,541.38	0	2,344.71	0	2,147.90	0	1,951.09	0	1,754.28		
1/4		1/4		1/4		1/4	2,927.76	1/4	2,733.05	1/4	2,537.30	1/4	2,340.61	1/4	2,143.80	1/4	1,946.99	1/4	1,750.18		
1/2		1/2		1/2		1/2	2,923.76	1/2	2,728.97	1/2	2,533.22	1/2	2,336.51	1/2	2,139.70	1/2	1,942.89	1/2	1,746.08		
3/4		3/4		3/4		3/4	2,919.77	3/4	2,724.89	3/4	2,529.14	3/4	2,332.41	3/4	2,135.60	3/4	1,938.79	3/4	1,741.98		
1		1		1		1	2,915.77	1	2,720.81	1	2,525.06	1	2,328.31	1	2,131.50	1	1,934.69	1	1,737.88		
1/4		1/4		1/4		1/4	2,911.77	1/4	2,716.74	1/4	2,520.98	1/4	2,324.21	1/4	2,127.40	1/4	1,930.59	1/4	1,733.78		
1/2		1/2		1/2		1/2	2,907.77	1/2	2,712.66	1/2	2,516.90	1/2	2,320.11	1/2	2,123.30	1/2	1,926.49	1/2	1,729.68		
3/4		3/4		3/4		3/4	2,903.77	3/4	2,708.58	3/4	2,512.82	3/4	2,316.01	3/4	2,119.20	3/4	1,922.39	3/4	1,725.58		
2		2		2		2	2,899.78	2	2,704.50	2	2,508.72	2	2,311.91	2	2,115.10	2	1,918.29	2	1,721.48		
1/4		1/4		1/4		1/4	2,895.78	1/4	2,700.42	1/4	2,504.62	1/4	2,307.81	1/4	2,111.00	1/4	1,914.19	1/4	1,717.38		
1/2		1/2		1/2		1/2	2,891.78	1/2	2,696.35	1/2	2,500.52	1/2	2,303.71	1/2	2,106.90	1/2	1,910.09	1/2	1,713.28		
3/4		3/4		3/4		3/4	2,887.78	3/4	2,692.27	3/4	2,496.42	3/4	2,299.61	3/4	2,102.80	3/4	1,905.99	3/4	1,709.18		
3		3		3		3	2,883.76	3	2,688.19	3	2,492.32	3	2,295.51	3	2,098.70	3	1,901.89	3	1,705.08		
1/4		1/4		1/4		1/4	2,879.74	1/4	2,684.11	1/4	2,488.22	1/4	2,291.41	1/4	2,094.60	1/4	1,897.79	1/4	1,700.98		
1/2		1/2		1/2		1/2	2,875.72	1/2	2,680.03	1/2	2,484.12	1/2	2,287.31	1/2	2,090.50	1/2	1,893.69	1/2	1,696.88		
3/4		3/4		3/4		3/4	2,871.70	3/4	2,675.96	3/4	2,480.02	3/4	2,283.21	3/4	2,086.40	3/4	1,889.59	3/4	1,692.78		
4		4		4		4	2,867.63	4	2,671.88	4	2,475.92	4	2,279.11	4	2,082.30	4	1,885.49	4	1,688.68		
1/4		1/4		1/4		1/4	2,863.55	1/4	2,667.80	1/4	2,471.82	1/4	2,275.01	1/4	2,078.20	1/4	1,881.39	1/4	1,684.58		
1/2		1/2		1/2		1/2	2,859.47	1/2	2,663.72	1/2	2,467.72	1/2	2,270.91	1/2	2,074.10	1/2	1,877.29	1/2	1,680.48		
3/4		3/4		3/4		3/4	2,855.39	3/4	2,659.64	3/4	2,463.62	3/4	2,266.81	3/4	2,070.00	3/4	1,873.19	3/4	1,676.38		
5		5		5		5	2,851.31	5	2,655.56	5	2,459.52	5	2,262.71	5	2,065.90	5	1,869.09	5	1,672.28		
1/4		1/4		1/4		1/4	2,847.24	1/4	2,651.49	1/4	2,455.42	1/4	2,258.61	1/4	2,061.80	1/4	1,864.99	1/4	1,668.18		
1/2		1/2		1/2		1/2	2,843.16	1/2	2,647.41	1/2	2,451.31	1/2	2,254.51	1/2	2,057.70	1/2	1,860.89	1/2	1,664.08		
3/4		3/4		3/4		3/4	2,839.08	3/4	2,643.33	3/4	2,447.21	3/4	2,250.41	3/4	2,053.60	3/4	1,856.79	3/4	1,659.98		
6		6		6		6	2,835.00	6	2,639.25	6	2,443.11	6	2,246.30	6	2,049.50	6	1,852.69	6	1,655.88		
1/4		1/4		1/4		1/4	2,830.92	1/4	2,635.17	1/4	2,439.01	1/4	2,242.20	1/4	2,045.40	1/4	1,848.59	1/4	1,651.78		
1/2		1/2		1/2		1/2	2,826.84	1/2	2,631.10	1/2	2,434.91	1/2	2,238.10	1/2	2,041.29	1/2	1,844.49	1/2	1,647.68		
3/4		3/4		3/4		3/4	3,006.85	3/4	2,822.77	3/4	2,627.02	3/4	2,430.81	3/4	2,234.00	3/4	2,037.19	3/4	1,840.39	3/4	1,643.58
7		7		7		7	3,004.56	7	2,818.69	7	2,622.94	7	2,426.71	7	2,229.90	7	2,033.09	7	1,836.28	7	1,639.48
1/4		1/4		1/4		1/4	3,002.26	1/4	2,814.61	1/4	2,618.86	1/4	2,422.61	1/4	2,225.80	1/4	2,028.99	1/4	1,832.18	1/4	1,635.38
1/2		1/2		1/2		1/2	2,999.97	1/2	2,810.53	1/2	2,614.78	1/2	2,418.51	1/2	2,221.70	1/2	2,024.89	1/2	1,828.08	1/2	1,631.27
3/4		3/4		3/4		3/4	2,997.67	3/4	2,806.45	3/4	2,610.71	3/4	2,414.41	3/4	2,217.60	3/4	2,020.79	3/4	1,823.98	3/4	1,627.17
8		8		8		8	2,994.19	8	2,802.38	8	2,606.63	8	2,410.31	8	2,213.50	8	2,016.69	8	1,819.88	8	1,623.07
1/4		1/4		1/4		1/4	2,990.70	1/4	2,798.30	1/4	2,602.55	1/4	2,406.21	1/4	2,209.40	1/4	2,012.59	1/4	1,815.78	1/4	1,618.97
1/2		1/2		1/2		1/2	2,987.22	1/2	2,794.22	1/2	2,598.47	1/2	2,402.11	1/2	2,205.30	1/2	2,008.49	1/2	1,811.68	1/2	1,614.87
3/4		3/4		3/4		3/4	2,983.74	3/4	2,790.14	3/4	2,594.39	3/4	2,398.01	3/4	2,201.20	3/4	2,004.39	3/4	1,807.58	3/4	1,610.77
9		9		9		9	2,979.74	9	2,786.06	9	2,590.31	9	2,393.91	9	2,197.10	9	2,000.29	9	1,803.48	9	1,606.67
1/4		1/4		1/4		1/4	2,975.74	1/4	2,781.99	1/4	2,586.24	1/4	2,389.81	1/4	2,193.00	1/4	1,996.19	1/4	1,799.38	1/4	1,602.57
1/2		1/2		1/2		1/2	2,971.74	1/2	2,777.91	1/2	2,582.16	1/2	2,385.71	1/2	2,188.90	1/2	1,992.09	1/2	1,795.28	1/2	1,598.47
3/4		3/4		3/4		3/4	2,967.74	3/4	2,773.83	3/4	2,578.08	3/4	2,381.61	3/4	2,184.80	3/4	1,987.99	3/4	1,791.18	3/4	1,594.37
10		10		10		10	2,963.74	10	2,769.75	10	2,574.00	10	2,377.51	10	2,180.70	10	1,983.89	10	1,787.08	10	1,590.27
1/4		1/4		1/4		1/4	2,959.75	1/4	2,765.67	1/4	2,569.92	1/4	2,373.41	1/4	2,176.60	1/4	1,979.79	1/4	1,782.98	1/4	1,586.17
1/2		1/2		1/2		1/2	2,955.75	1/2	2,761.60	1/2	2,565.85	1/2	2,369.31	1/2	2,172.50	1/2	1,975.69	1/2	1,778.88	1/2	1,582.07
3/4		3/4		3/4		3/4	2,951.75	3/4	2,757.52	3/4	2,561.77	3/4	2,365.21	3/4	2,168.40	3/4	1,971.59	3/4	1,774.78	3/4	1,577.97
11		11		11		11	2,947.75	11	2,753.44	11	2,557.69	11	2,361.11	11	2,164.30	11	1,967.49	11	1,770.68	11	1,573.87
1/4		1/4		1/4		1/4	2,943.75	1/4	2,749.36	1/4	2,553.61	1/4	2,357.01	1/4	2,160.20	1/4	1,963.39	1/4	1,766.58	1/4	1,569.77
1/2		1/2		1/2		1/2	2,939.76	1/2	2,745.28	1/2	2,549.53	1/2	2,352.91	1/2	2,156.10	1/2	1,959.29	1/2	1,762.48	1/2	1,565.67
3/4		3/4		3/4		3/4	2,935.76	3/4	2,741.20	3/4	2,545.46	3/4	2,348.81	3/4	2,152.00	3/4	1,955.19	3/4	1,758.38	3/4	1,561.57

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 WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 30-01"

5 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTC Co 3000

GAUGE HEIGHT 17'-11 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	1,557.47	0	1,360.66	0	1,163.85	0	967.54	0	771.93	0	575.13	0	378.55	0	189.35	0		0	
1/4	1,553.37	1/4	1,356.56	1/4	1,159.75	1/4	963.47	1/4	767.83	1/4	571.03	1/4	374.57	1/4	185.25	1/4		1/4	
1/2	1,549.27	1/2	1,352.46	1/2	1,155.65	1/2	959.41	1/2	763.73	1/2	566.92	1/2	370.58	1/2	181.15	1/2		1/2	
3/4	1,545.17	3/4	1,348.36	3/4	1,151.55	3/4	955.34	3/4	759.63	3/4	562.82	3/4	366.60	3/4	177.05	3/4		3/4	
1	1,541.07	1	1,344.26	1	1,147.45	1	951.28	1	755.53	1	558.72	1	362.63	1	172.94	1		1	
1/4	1,536.97	1/4	1,340.16	1/4	1,143.35	1/4	947.21	1/4	751.43	1/4	554.62	1/4	358.66	1/4	168.84	1/4		1/4	
1/2	1,532.87	1/2	1,336.06	1/2	1,139.25	1/2	943.15	1/2	747.33	1/2	550.52	1/2	354.69	1/2	164.74	1/2		1/2	
3/4	1,528.77	3/4	1,331.96	3/4	1,135.15	3/4	939.08	3/4	743.23	3/4	546.42	3/4	350.73	3/4	160.64	3/4		3/4	
2	1,524.67	2	1,327.86	2	1,131.05	2	935.02	2	739.13	2	542.32	2	346.80	2	156.53	2		2	
1/4	1,520.57	1/4	1,323.76	1/4	1,126.95	1/4	930.95	1/4	735.03	1/4	538.22	1/4	342.88	1/4	152.43	1/4		1/4	
1/2	1,516.47	1/2	1,319.66	1/2	1,122.85	1/2	926.89	1/2	730.93	1/2	534.12	1/2	338.95	1/2	148.33	1/2		1/2	
3/4	1,512.37	3/4	1,315.56	3/4	1,118.75	3/4	922.83	3/4	726.83	3/4	530.02	3/4	335.03	3/4	144.23	3/4		3/4	
3	1,508.27	3	1,311.46	3	1,114.65	3	918.76	3	722.73	3	525.92	3	331.11	3	140.13	3		3	
1/4	1,504.17	1/4	1,307.36	1/4	1,110.55	1/4	914.70	1/4	718.63	1/4	521.82	1/4	327.18	1/4	136.02	1/4		1/4	
1/2	1,500.07	1/2	1,303.26	1/2	1,106.45	1/2	910.63	1/2	714.53	1/2	517.72	1/2	323.26	1/2	131.92	1/2		1/2	
3/4	1,495.97	3/4	1,299.16	3/4	1,102.35	3/4	906.57	3/4	710.43	3/4	513.62	3/4	319.34	3/4	127.82	3/4		3/4	
4	1,491.87	4	1,295.06	4	1,098.25	4	902.50	4	706.33	4	509.52	4	315.41	4	123.72	4		4	
1/4	1,487.77	1/4	1,290.96	1/4	1,094.15	1/4	898.44	1/4	702.23	1/4	505.42	1/4	311.49	1/4	119.61	1/4		1/4	
1/2	1,483.67	1/2	1,286.86	1/2	1,090.05	1/2	894.37	1/2	698.13	1/2	501.32	1/2	307.57	1/2	115.51	1/2		1/2	
3/4	1,479.57	3/4	1,282.76	3/4	1,085.95	3/4	890.31	3/4	694.03	3/4	497.22	3/4	303.64	3/4	111.41	3/4		3/4	
5	1,475.47	5	1,278.66	5	1,081.85	5	886.24	5	689.93	5	493.12	5	299.72	5	107.31	5		5	
1/4	1,471.37	1/4	1,274.56	1/4	1,077.75	1/4	882.18	1/4	685.83	1/4	489.02	1/4	295.79	1/4	103.20	1/4		1/4	
1/2	1,467.27	1/2	1,270.46	1/2	1,073.65	1/2	878.11	1/2	681.73	1/2	484.92	1/2	291.87	1/2	99.10	1/2		1/2	
3/4	1,463.17	3/4	1,266.36	3/4	1,069.55	3/4	874.05	3/4	677.63	3/4	480.82	3/4	287.95	3/4	95.00	3/4		3/4	
6	1,459.07	6	1,262.26	6	1,065.45	6	869.98	6	673.53	6	476.72	6	284.02	6	90.89	6		6	
1/4	1,454.97	1/4	1,258.16	1/4	1,061.35	1/4	865.92	1/4	669.43	1/4	472.62	1/4	280.10	1/4	86.79	1/4		1/4	
1/2	1,450.87	1/2	1,254.06	1/2	1,057.25	1/2	861.85	1/2	665.33	1/2	468.52	1/2	276.18	1/2	82.68	1/2		1/2	
3/4	1,446.77	3/4	1,249.96	3/4	1,053.15	3/4	857.79	3/4	661.23	3/4	464.42	3/4	272.25	3/4	78.58	3/4		3/4	
7	1,442.67	7	1,245.86	7	1,049.05	7	853.72	7	657.13	7	460.32	7	268.33	7	74.46	7		7	
1/4	1,438.57	1/4	1,241.76	1/4	1,044.95	1/4	849.66	1/4	653.03	1/4	456.22	1/4	264.40	1/4	70.35	1/4		1/4	
1/2	1,434.47	1/2	1,237.66	1/2	1,040.85	1/2	845.59	1/2	648.93	1/2	452.12	1/2	260.48	1/2	66.24	1/2		1/2	
3/4	1,430.37	3/4	1,233.56	3/4	1,036.75	3/4	841.53	3/4	644.83	3/4	448.02	3/4	256.56	3/4	62.12	3/4		3/4	
8	1,426.26	8	1,229.46	8	1,032.65	8	837.46	8	640.73	8	443.92	8	252.63	8	58.01	8		8	
1/4	1,422.16	1/4	1,225.36	1/4	1,028.56	1/4	833.38	1/4	636.63	1/4	439.82	1/4	248.71	1/4	53.89	1/4		1/4	
1/2	1,418.06	1/2	1,221.25	1/2	1,024.47	1/2	829.31	1/2	632.53	1/2	435.72	1/2	244.79	1/2	49.78	1/2		1/2	
3/4	1,413.96	3/4	1,217.15	3/4	1,020.38	3/4	825.24	3/4	628.43	3/4	431.62	3/4	240.86	3/4	45.67	3/4		3/4	
9	1,409.86	9	1,213.05	9	1,016.32	9	821.14	9	624.33	9	427.52	9	236.94	9	41.68	9		9	
1/4	1,405.76	1/4	1,208.95	1/4	1,012.25	1/4	817.04	1/4	620.23	1/4	423.42	1/4	233.01	1/4	37.70	1/4		1/4	
1/2	1,401.66	1/2	1,204.85	1/2	1,008.19	1/2	812.94	1/2	616.13	1/2	419.32	1/2	229.09	1/2	33.71	1/2		1/2	
3/4	1,397.56	3/4	1,200.75	3/4	1,004.12	3/4	808.84	3/4	612.03	3/4	415.22	3/4	225.16	3/4	29.72	3/4		3/4	
10	1,393.46	10	1,196.65	10	1,000.06	10	804.74	10	607.93	10	411.12	10	221.22	10	26.38	10		10	
1/4	1,389.36	1/4	1,192.55	1/4	995.99	1/4	800.64	1/4	603.83	1/4	407.02	1/4	217.29	1/4	23.04	1/4		1/4	
1/2	1,385.26	1/2	1,188.45	1/2	991.93	1/2	796.54	1/2	599.73	1/2	402.92	1/2	213.35	1/2	19.70	1/2		1/2	
3/4	1,381.16	3/4	1,184.35	3/4	987.86	3/4	792.44	3/4	595.63	3/4	398.82	3/4	209.42	3/4	16.35	3/4		3/4	
11	1,377.06	11	1,180.25	11	983.80	11	788.34	11	591.53	11	394.75	11	205.43	11	14.04	11		11	
1/4	1,372.96	1/4	1,176.15	1/4	979.73	1/4	784.24	1/4	587.43	1/4	390.67	1/4	201.44	1/4	11.73	1/4		1/4	
1/2	1,368.86	1/2	1,172.05	1/2	975.67	1/2	780.14	1/2	583.33	1/2	386.60	1/2	197.45	1/2	9.41	1/2		1/2	
3/4	1,364.76	3/4	1,167.95	3/4	971.60	3/4	776.04	3/4	579.23	3/4	382.53	3/4	193.46	3/4	7.10	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2014 CL
RECALCULATED: 04/03/2020 CL
REPRINTED: 04/03/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 30-01"

5 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 3000

GAUGE HEIGHT 17'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0	0	0	0	0	0	0	2,929.05	0	2,734.30	0	2,538.50	0	2,341.77	0	2,144.92	0	1,948.06	0	1,751.21		
1/4		1/4		1/4		1/4	2,925.05	1/4	2,730.22	1/4	2,534.42	1/4	2,337.67	1/4	2,140.82	1/4	1,943.96	1/4	1,747.11		
1/2		1/2		1/2		1/2	2,921.05	1/2	2,726.14	1/2	2,530.35	1/2	2,333.57	1/2	2,136.72	1/2	1,939.86	1/2	1,743.01		
3/4		3/4		3/4		3/4	2,917.06	3/4	2,722.06	3/4	2,526.26	3/4	2,329.47	3/4	2,132.61	3/4	1,935.76	3/4	1,738.91		
1	1	1	1	1	1	1	2,913.06	1	2,717.98	1	2,522.18	1	2,325.37	1	2,128.51	1	1,931.66	1	1,734.81		
1/4		1/4		1/4		1/4	2,909.06	1/4	2,713.90	1/4	2,518.10	1/4	2,321.26	1/4	2,124.41	1/4	1,927.56	1/4	1,730.71		
1/2		1/2		1/2		1/2	2,905.06	1/2	2,709.82	1/2	2,514.02	1/2	2,317.16	1/2	2,120.31	1/2	1,923.46	1/2	1,726.61		
3/4		3/4		3/4		3/4	2,901.06	3/4	2,705.74	3/4	2,509.92	3/4	2,313.06	3/4	2,116.21	3/4	1,919.36	3/4	1,722.50		
2	2	2	2	2	2	2	2,897.06	2	2,701.66	2	2,505.81	2	2,308.96	2	2,112.11	2	1,915.26	2	1,718.40		
1/4		1/4		1/4		1/4	2,893.06	1/4	2,697.58	1/4	2,501.71	1/4	2,304.86	1/4	2,108.01	1/4	1,911.15	1/4	1,714.30		
1/2		1/2		1/2		1/2	2,889.06	1/2	2,693.51	1/2	2,497.61	1/2	2,300.76	1/2	2,103.91	1/2	1,907.05	1/2	1,710.20		
3/4		3/4		3/4		3/4	2,885.04	3/4	2,689.43	3/4	2,493.51	3/4	2,296.66	3/4	2,099.81	3/4	1,902.95	3/4	1,706.10		
3	3	3	3	3	3	3	2,881.02	3	2,685.35	3	2,489.41	3	2,292.56	3	2,095.70	3	1,898.85	3	1,702.00		
1/4		1/4		1/4		1/4	2,877.00	1/4	2,681.27	1/4	2,485.31	1/4	2,288.46	1/4	2,091.60	1/4	1,894.75	1/4	1,697.90		
1/2		1/2		1/2		1/2	2,872.98	1/2	2,677.19	1/2	2,481.21	1/2	2,284.36	1/2	2,087.50	1/2	1,890.65	1/2	1,693.80		
3/4		3/4		3/4		3/4	2,868.90	3/4	2,673.11	3/4	2,477.11	3/4	2,280.25	3/4	2,083.40	3/4	1,886.55	3/4	1,689.70		
4	4	4	4	4	4	4	2,864.82	4	2,669.03	4	2,473.01	4	2,276.15	4	2,079.30	4	1,882.45	4	1,685.59		
1/4		1/4		1/4		1/4	2,860.74	1/4	2,664.95	1/4	2,468.90	1/4	2,272.05	1/4	2,075.20	1/4	1,878.35	1/4	1,681.49		
1/2		1/2		1/2		1/2	2,856.67	1/2	2,660.87	1/2	2,464.80	1/2	2,267.95	1/2	2,071.10	1/2	1,874.25	1/2	1,677.39		
3/4		3/4		3/4		3/4	2,852.59	3/4	2,656.79	3/4	2,460.70	3/4	2,263.85	3/4	2,067.00	3/4	1,870.14	3/4	1,673.29		
5	5	5	5	5	5	5	2,848.51	5	2,652.72	5	2,456.60	5	2,259.75	5	2,062.90	5	1,866.04	5	1,669.19		
1/4		1/4		1/4		1/4	2,844.43	1/4	2,648.64	1/4	2,452.50	1/4	2,255.65	1/4	2,058.79	1/4	1,861.94	1/4	1,665.09		
1/2		1/2		1/2		1/2	2,840.35	1/2	2,644.56	1/2	2,448.40	1/2	2,251.55	1/2	2,054.69	1/2	1,857.84	1/2	1,660.99		
3/4		3/4		3/4		3/4	2,836.27	3/4	2,640.48	3/4	2,444.30	3/4	2,247.45	3/4	2,050.59	3/4	1,853.74	3/4	1,656.89		
6	6	6	6	6	6	6	2,832.19	6	2,636.40	6	2,440.20	6	2,243.34	6	2,046.49	6	1,849.64	6	1,652.79		
1/4		1/4		1/4		1/4	2,828.11	1/4	2,632.32	1/4	2,436.10	1/4	2,239.24	1/4	2,042.39	1/4	1,845.54	1/4	1,648.68		
1/2		1/2		1/2	3,008.17	1/2	2,824.03	1/2	2,628.24	1/2	2,431.99	1/2	2,235.14	1/2	2,038.29	1/2	1,841.44	1/2	1,644.58		
3/4		3/4		3/4	3,005.88	3/4	2,819.95	3/4	2,624.16	3/4	2,427.89	3/4	2,231.04	3/4	2,034.19	3/4	1,837.34	3/4	1,640.48		
7	7	7	7	7	7	7	3,003.58	7	2,815.88	7	2,620.08	7	2,423.79	7	2,226.94	7	2,030.09	7	1,833.23	7	1,636.38
1/4		1/4		1/4	3,001.28	1/4	2,811.80	1/4	2,616.00	1/4	2,419.69	1/4	2,222.84	1/4	2,025.99	1/4	1,829.13	1/4	1,632.28		
1/2		1/2		1/2	2,998.99	1/2	2,807.72	1/2	2,611.93	1/2	2,415.59	1/2	2,218.74	1/2	2,021.88	1/2	1,825.03	1/2	1,628.18		
3/4		3/4		3/4	2,995.50	3/4	2,803.64	3/4	2,607.85	3/4	2,411.49	3/4	2,214.64	3/4	2,017.78	3/4	1,820.93	3/4	1,624.08		
8	8	8	8	8	8	8	2,992.01	8	2,799.56	8	2,603.77	8	2,407.39	8	2,210.54	8	2,013.68	8	1,816.83	8	1,619.98
1/4		1/4		1/4	2,988.53	1/4	2,795.48	1/4	2,599.69	1/4	2,403.29	1/4	2,206.43	1/4	2,009.58	1/4	1,812.73	1/4	1,615.88		
1/2		1/2		1/2	2,985.04	1/2	2,791.40	1/2	2,595.61	1/2	2,399.19	1/2	2,202.33	1/2	2,005.48	1/2	1,808.63	1/2	1,611.77		
3/4		3/4		3/4	2,981.04	3/4	2,787.32	3/4	2,591.53	3/4	2,395.08	3/4	2,198.23	3/4	2,001.38	3/4	1,804.53	3/4	1,607.67		
9	9	9	9	9	9	9	2,977.04	9	2,783.24	9	2,587.45	9	2,390.98	9	2,194.13	9	1,997.28	9	1,603.57		
1/4		1/4		1/4	2,973.04	1/4	2,779.16	1/4	2,583.37	1/4	2,386.88	1/4	2,190.03	1/4	1,993.18	1/4	1,796.32	1/4	1,599.47		
1/2		1/2		1/2	2,969.04	1/2	2,775.09	1/2	2,579.29	1/2	2,382.78	1/2	2,185.93	1/2	1,989.08	1/2	1,792.22	1/2	1,595.37		
3/4		3/4		3/4	2,965.04	3/4	2,771.01	3/4	2,575.21	3/4	2,378.68	3/4	2,181.83	3/4	1,984.97	3/4	1,788.12	3/4	1,591.27		
10	10	10	10	10	10	10	2,961.04	10	2,766.93	10	2,571.14	10	2,374.58	10	2,177.73	10	1,980.87	10	1,784.02	10	1,587.17
1/4		1/4		1/4	2,957.05	1/4	2,762.85	1/4	2,567.06	1/4	2,370.48	1/4	2,173.63	1/4	1,976.77	1/4	1,779.92	1/4	1,583.07		
1/2		1/2		1/2	2,953.05	1/2	2,758.77	1/2	2,562.98	1/2	2,366.38	1/2	2,169.52	1/2	1,972.67	1/2	1,775.82	1/2	1,578.97		
3/4		3/4		3/4	2,949.05	3/4	2,754.69	3/4	2,558.90	3/4	2,362.28	3/4	2,165.42	3/4	1,968.57	3/4	1,771.72	3/4	1,574.86		
11	11	11	11	11	11	11	2,945.05	11	2,750.61	11	2,554.82	11	2,358.17	11	2,161.32	11	1,964.47	11	1,767.62	11	1,570.76
1/4		1/4		1/4	2,941.05	1/4	2,746.53	1/4	2,550.74	1/4	2,354.07	1/4	2,157.22	1/4	1,960.37	1/4	1,763.52	1/4	1,566.66		
1/2		1/2		1/2	2,937.05	1/2	2,742.45	1/2	2,546.66	1/2	2,349.97	1/2	2,153.12	1/2	1,956.27	1/2	1,759.41	1/2	1,562.56		
3/4		3/4		3/4	2,933.05	3/4	2,738.37	3/4	2,542.58	3/4	2,345.87	3/4	2,149.02	3/4	1,952.17	3/4	1,755.31	3/4	1,558.46		

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 WITH "HERMETIC" DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 30-01"

5 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-11 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTC Co 3000

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	1,554.36	0	1,357.51	0	1,160.65	0	964.33	0	768.65	0	571.80	0	375.29	0	185.29	0		0	
1/4	1,550.26	1/4	1,353.41	1/4	1,156.55	1/4	960.27	1/4	764.55	1/4	567.70	1/4	371.31	1/4	181.19	1/4		1/4	
1/2	1,546.16	1/2	1,349.30	1/2	1,152.45	1/2	956.20	1/2	760.45	1/2	563.59	1/2	367.33	1/2	177.08	1/2		1/2	
3/4	1,542.06	3/4	1,345.20	3/4	1,148.35	3/4	952.13	3/4	756.35	3/4	559.49	3/4	363.35	3/4	172.98	3/4		3/4	
1	1,537.95	1	1,341.10	1	1,144.25	1	948.07	1	752.25	1	555.39	1	359.38	1	168.88	1		1	
1/4	1,533.85	1/4	1,337.00	1/4	1,140.15	1/4	944.00	1/4	748.14	1/4	551.29	1/4	355.40	1/4	164.77	1/4		1/4	
1/2	1,529.75	1/2	1,332.90	1/2	1,136.05	1/2	939.94	1/2	744.04	1/2	547.19	1/2	351.43	1/2	160.67	1/2		1/2	
3/4	1,525.65	3/4	1,328.80	3/4	1,131.95	3/4	935.87	3/4	739.94	3/4	543.09	3/4	347.49	3/4	156.57	3/4		3/4	
2	1,521.55	2	1,324.70	2	1,127.84	2	931.81	2	735.84	2	538.99	2	343.55	2	152.47	2		2	
1/4	1,517.45	1/4	1,320.60	1/4	1,123.74	1/4	927.74	1/4	731.74	1/4	534.89	1/4	339.60	1/4	148.36	1/4		1/4	
1/2	1,513.35	1/2	1,316.50	1/2	1,119.64	1/2	923.67	1/2	727.64	1/2	530.79	1/2	335.66	1/2	144.26	1/2		1/2	
3/4	1,509.25	3/4	1,312.39	3/4	1,115.54	3/4	919.61	3/4	723.54	3/4	526.69	3/4	331.72	3/4	140.16	3/4		3/4	
3	1,505.15	3	1,308.29	3	1,111.44	3	915.54	3	719.44	3	522.58	3	327.78	3	136.05	3		3	
1/4	1,501.04	1/4	1,304.19	1/4	1,107.34	1/4	911.48	1/4	715.34	1/4	518.48	1/4	323.84	1/4	131.95	1/4		1/4	
1/2	1,496.94	1/2	1,300.09	1/2	1,103.24	1/2	907.41	1/2	711.23	1/2	514.38	1/2	319.90	1/2	127.85	1/2		1/2	
3/4	1,492.84	3/4	1,295.99	3/4	1,099.14	3/4	903.35	3/4	707.13	3/4	510.28	3/4	315.95	3/4	123.74	3/4		3/4	
4	1,488.74	4	1,291.89	4	1,095.04	4	899.28	4	703.03	4	506.18	4	312.01	4	119.64	4		4	
1/4	1,484.64	1/4	1,287.79	1/4	1,090.93	1/4	895.21	1/4	698.93	1/4	502.08	1/4	308.07	1/4	115.54	1/4		1/4	
1/2	1,480.54	1/2	1,283.69	1/2	1,086.83	1/2	891.15	1/2	694.83	1/2	497.98	1/2	304.13	1/2	111.43	1/2		1/2	
3/4	1,476.44	3/4	1,279.59	3/4	1,082.73	3/4	887.08	3/4	690.73	3/4	493.88	3/4	300.19	3/4	107.33	3/4		3/4	
5	1,472.34	5	1,275.48	5	1,078.63	5	883.02	5	686.63	5	489.78	5	296.24	5	103.23	5		5	
1/4	1,468.24	1/4	1,271.38	1/4	1,074.53	1/4	878.95	1/4	682.53	1/4	485.67	1/4	292.30	1/4	99.12	1/4		1/4	
1/2	1,464.13	1/2	1,267.28	1/2	1,070.43	1/2	874.89	1/2	678.43	1/2	481.57	1/2	288.36	1/2	95.02	1/2		1/2	
3/4	1,460.03	3/4	1,263.18	3/4	1,066.33	3/4	870.82	3/4	674.32	3/4	477.47	3/4	284.42	3/4	90.91	3/4		3/4	
6	1,455.93	6	1,259.08	6	1,062.23	6	866.75	6	670.22	6	473.37	6	280.48	6	86.81	6		6	
1/4	1,451.83	1/4	1,254.98	1/4	1,058.13	1/4	862.69	1/4	666.12	1/4	469.27	1/4	276.53	1/4	82.70	1/4		1/4	
1/2	1,447.73	1/2	1,250.88	1/2	1,054.02	1/2	858.62	1/2	662.02	1/2	465.17	1/2	272.59	1/2	78.60	1/2		1/2	
3/4	1,443.63	3/4	1,246.78	3/4	1,049.92	3/4	854.56	3/4	657.92	3/4	461.07	3/4	268.65	3/4	74.48	3/4		3/4	
7	1,439.53	7	1,242.68	7	1,045.82	7	850.49	7	653.82	7	456.97	7	264.71	7	70.37	7		7	
1/4	1,435.43	1/4	1,238.57	1/4	1,041.72	1/4	846.43	1/4	649.72	1/4	452.87	1/4	260.77	1/4	66.25	1/4		1/4	
1/2	1,431.33	1/2	1,234.47	1/2	1,037.62	1/2	842.36	1/2	645.62	1/2	448.76	1/2	256.82	1/2	62.14	1/2		1/2	
3/4	1,427.23	3/4	1,230.37	3/4	1,033.53	3/4	838.29	3/4	641.52	3/4	444.66	3/4	252.88	3/4	58.02	3/4		3/4	
8	1,423.12	8	1,226.27	8	1,029.44	8	834.21	8	637.41	8	440.56	8	248.94	8	53.91	8		8	
1/4	1,419.02	1/4	1,222.17	1/4	1,025.34	1/4	830.14	1/4	633.31	1/4	436.46	1/4	245.00	1/4	49.79	1/4		1/4	
1/2	1,414.92	1/2	1,218.07	1/2	1,021.25	1/2	826.07	1/2	629.21	1/2	432.36	1/2	241.06	1/2	45.68	1/2		1/2	
3/4	1,410.82	3/4	1,213.97	3/4	1,017.19	3/4	821.96	3/4	625.11	3/4	428.26	3/4	237.11	3/4	41.69	3/4		3/4	
9	1,406.72	9	1,209.87	9	1,013.12	9	817.86	9	621.01	9	424.16	9	233.17	9	37.70	9		9	
1/4	1,402.62	1/4	1,205.77	1/4	1,009.05	1/4	813.76	1/4	616.91	1/4	420.06	1/4	229.22	1/4	33.72	1/4		1/4	
1/2	1,398.52	1/2	1,201.66	1/2	1,004.99	1/2	809.66	1/2	612.81	1/2	415.96	1/2	225.28	1/2	29.73	1/2		1/2	
3/4	1,394.42	3/4	1,197.56	3/4	1,000.92	3/4	805.56	3/4	608.71	3/4	411.85	3/4	221.32	3/4	26.39	3/4		3/4	
10	1,390.32	10	1,193.46	10	996.86	10	801.46	10	604.61	10	407.75	10	217.37	10	23.04	10		10	
1/4	1,386.21	1/4	1,189.36	1/4	992.79	1/4	797.36	1/4	600.50	1/4	403.65	1/4	213.42	1/4	19.70	1/4		1/4	
1/2	1,382.11	1/2	1,185.26	1/2	988.73	1/2	793.26	1/2	596.40	1/2	399.55	1/2	209.46	1/2	16.36	1/2		1/2	
3/4	1,378.01	3/4	1,181.16	3/4	984.66	3/4	789.16	3/4	592.30	3/4	395.48	3/4	205.47	3/4	14.04	3/4		3/4	
11	1,373.91	11	1,177.06	11	980.59	11	785.05	11	588.20	11	391.41	11	201.48	11	11.73	11		11	
1/4	1,369.81	1/4	1,172.96	1/4	976.53	1/4	780.95	1/4	584.10	1/4	387.34	1/4	197.49	1/4	9.41	1/4		1/4	
1/2	1,365.71	1/2	1,168.86	1/2	972.46	1/2	776.85	1/2	580.00	1/2	383.26	1/2	193.50	1/2	7.10	1/2		1/2	
3/4	1,361.61	3/4	1,164.75	3/4	968.40	3/4	772.75	3/4	575.90	3/4	379.28	3/4	189.39	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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