



# BARGE "KIRBY 27014"

ULLAGE TRIM TABLE  
FORMERLY "CTCO 354"

	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	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
1 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
2 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
3 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 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 = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/2"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 237'-06"

May 7, 2024

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 27014"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 354"

GAUGE HEIGHT 16'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,155.04	0	3,891.83	0	3,603.27	0	3,293.27	0	2,964.88	0	2,633.38	0	2,301.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,148.58	1/4	3,886.04	1/4	3,597.00	1/4	3,286.58	1/4	2,957.97	1/4	2,626.48	1/4	2,294.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,142.11	1/2	3,880.25	1/2	3,590.73	1/2	3,279.90	1/2	2,951.06	1/2	2,619.57	1/2	2,288.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,135.65	3/4	3,874.46	3/4	3,584.47	3/4	3,273.21	3/4	2,944.16	3/4	2,612.66	3/4	2,281.17
1		1		1		1	4,130.63	1	3,868.63	1	3,578.17	1	3,266.50	1	2,937.25	1	2,605.76	1	2,274.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,125.62	1/4	3,862.80	1/4	3,571.88	1/4	3,259.78	1/4	2,930.35	1/4	2,598.85	1/4	2,267.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,120.60	1/2	3,856.97	1/2	3,565.58	1/2	3,253.07	1/2	2,923.44	1/2	2,591.95	1/2	2,260.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,115.59	3/4	3,851.14	3/4	3,559.29	3/4	3,246.35	3/4	2,916.53	3/4	2,585.04	3/4	2,253.55
2		2		2		2	4,110.54	2	3,845.27	2	3,552.96	2	3,239.59	2	2,909.63	2	2,578.13	2	2,246.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,105.50	1/4	3,839.41	1/4	3,546.64	1/4	3,232.84	1/4	2,902.72	1/4	2,571.23	1/4	2,239.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,100.45	1/2	3,833.55	1/2	3,540.31	1/2	3,226.08	1/2	2,895.81	1/2	2,564.32	1/2	2,232.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,095.41	3/4	3,827.69	3/4	3,533.98	3/4	3,219.32	3/4	2,888.91	3/4	2,557.42	3/4	2,225.92
3		3		3		3	4,090.32	3	3,821.78	3	3,527.62	3	3,212.53	3	2,882.00	3	2,550.51	3	2,219.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,085.23	1/4	3,815.88	1/4	3,521.25	1/4	3,205.75	1/4	2,875.10	1/4	2,543.60	1/4	2,212.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,080.14	1/2	3,809.98	1/2	3,514.88	1/2	3,198.96	1/2	2,868.19	1/2	2,536.70	1/2	2,205.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,075.05	3/4	3,804.08	3/4	3,508.52	3/4	3,192.17	3/4	2,861.28	3/4	2,529.79	3/4	2,198.30
4		4		4		4	4,069.94	4	3,798.14	4	3,502.13	4	3,185.35	4	2,854.38	4	2,522.89	4	2,191.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,064.82	1/4	3,792.21	1/4	3,495.74	1/4	3,178.53	1/4	2,847.47	1/4	2,515.98	1/4	2,184.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,059.70	1/2	3,786.27	1/2	3,489.35	1/2	3,171.72	1/2	2,840.57	1/2	2,509.07	1/2	2,177.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,054.58	3/4	3,780.34	3/4	3,482.96	3/4	3,164.90	3/4	2,833.66	3/4	2,502.17	3/4	2,170.67
5		5		5		5	4,049.44	5	3,774.35	5	3,476.53	5	3,158.04	5	2,826.75	5	2,495.26	5	2,163.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,044.29	1/4	3,768.37	1/4	3,470.10	1/4	3,151.18	1/4	2,819.85	1/4	2,488.36	1/4	2,156.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,039.14	1/2	3,762.38	1/2	3,463.68	1/2	3,144.32	1/2	2,812.94	1/2	2,481.45	1/2	2,149.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,033.99	3/4	3,756.40	3/4	3,457.25	3/4	3,137.46	3/4	2,806.04	3/4	2,474.54	3/4	2,143.05
6		6		6		6	4,028.40	6	3,750.38	6	3,450.79	6	3,130.57	6	2,799.13	6	2,467.64	6	2,136.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,022.80	1/4	3,744.37	1/4	3,444.33	1/4	3,123.68	1/4	2,792.22	1/4	2,460.73	1/4	2,129.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,017.21	1/2	3,738.35	1/2	3,437.87	1/2	3,116.79	1/2	2,785.32	1/2	2,453.82	1/2	2,122.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,291.24	3/4	4,011.61	3/4	3,732.34	3/4	3,431.41	3/4	3,109.90	3/4	2,778.41	3/4	2,446.92
7		7		7		7	4,284.74	7	4,005.99	7	3,726.29	7	3,424.90	7	3,103.00	7	2,771.51	7	2,440.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,278.24	1/4	4,000.36	1/4	3,720.24	1/4	3,418.40	1/4	3,096.09	1/4	2,764.60	1/4	2,433.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,271.74	1/2	3,994.74	1/2	3,714.20	1/2	3,411.90	1/2	3,089.19	1/2	2,757.69	1/2	2,426.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,265.24	3/4	3,989.11	3/4	3,708.15	3/4	3,405.39	3/4	3,082.28	3/4	2,750.79	3/4	2,419.29
8		8		8		8	4,258.74	8	3,983.44	8	3,702.07	8	3,398.86	8	3,075.37	8	2,743.88	8	2,412.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,252.24	1/4	3,977.78	1/4	3,695.98	1/4	3,392.33	1/4	3,068.47	1/4	2,736.97	1/4	2,405.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,245.74	1/2	3,972.11	1/2	3,689.89	1/2	3,385.80	1/2	3,061.56	1/2	2,730.07	1/2	2,398.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,239.24	3/4	3,966.45	3/4	3,683.81	3/4	3,379.27	3/4	3,054.66	3/4	2,723.16	3/4	2,391.67
9		9		9		9	4,232.74	9	3,960.75	9	3,677.66	9	3,372.70	9	3,047.75	9	2,716.26	9	2,384.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,226.24	1/4	3,955.05	1/4	3,671.50	1/4	3,366.12	1/4	3,040.84	1/4	2,709.35	1/4	2,377.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,219.74	1/2	3,949.35	1/2	3,665.35	1/2	3,359.55	1/2	3,033.94	1/2	2,702.44	1/2	2,370.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,213.24	3/4	3,943.66	3/4	3,659.20	3/4	3,352.98	3/4	3,027.03	3/4	2,695.54	3/4	2,364.05
10		10		10		10	4,206.77	10	3,937.92	10	3,653.01	10	3,346.37	10	3,020.12	10	2,688.63	10	2,357.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,200.30	1/4	3,932.18	1/4	3,646.81	1/4	3,339.75	1/4	3,013.22	1/4	2,681.73	1/4	2,350.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,193.84	1/2	3,926.44	1/2	3,640.62	1/2	3,333.14	1/2	3,006.31	1/2	2,674.82	1/2	2,343.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,187.37	3/4	3,920.70	3/4	3,634.43	3/4	3,326.53	3/4	2,999.41	3/4	2,667.91	3/4	2,336.42
11		11		11		11	4,180.91	11	3,914.93	11	3,628.20	11	3,319.89	11	2,992.50	11	2,661.01	11	2,329.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,174.44	1/4	3,909.16	1/4	3,621.98	1/4	3,313.24	1/4	2,985.59	1/4	2,654.10	1/4	2,322.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,167.98	1/2	3,903.39	1/2	3,615.76	1/2	3,306.60	1/2	2,978.69	1/2	2,647.20	1/2	2,315.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,161.51	3/4	3,897.62	3/4	3,609.53	3/4	3,299.95	3/4	2,971.78	3/4	2,640.29	3/4	2,308.80

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 CLOSED GAUGING DEVICE"  
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51' 3" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 27014"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 354"

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,970.40	0	1,638.90	0	1,307.41	0	976.34	0	660.74	0	369.83	0	100.65	0		0			
1/4	1,963.49	1/4	1,632.00	1/4	1,300.51	1/4	969.53	1/4	654.42	1/4	364.01	1/4	95.29	1/4		1/4			
1/2	1,956.59	1/2	1,625.09	1/2	1,293.60	1/2	962.73	1/2	648.09	1/2	358.19	1/2	89.93	1/2		1/2			
3/4	1,949.68	3/4	1,618.19	3/4	1,286.69	3/4	955.92	3/4	641.77	3/4	352.38	3/4	84.57	3/4		3/4			
1	1,942.77	1	1,611.28	1	1,279.79	1	949.16	1	635.49	1	346.60	1	79.25	1		1			
1/4	1,935.87	1/4	1,604.37	1/4	1,272.88	1/4	942.39	1/4	629.20	1/4	340.82	1/4	73.93	1/4		1/4			
1/2	1,928.96	1/2	1,597.47	1/2	1,265.98	1/2	935.63	1/2	622.92	1/2	335.04	1/2	68.61	1/2		1/2			
3/4	1,922.05	3/4	1,590.56	3/4	1,259.07	3/4	928.86	3/4	616.63	3/4	329.26	3/4	63.29	3/4		3/4			
2	1,915.15	2	1,583.66	2	1,252.16	2	922.14	2	610.42	2	323.50	2	58.01	2		2			
1/4	1,908.24	1/4	1,576.75	1/4	1,245.26	1/4	915.41	1/4	604.21	1/4	317.74	1/4	52.73	1/4		1/4			
1/2	1,901.34	1/2	1,569.84	1/2	1,238.35	1/2	908.68	1/2	598.00	1/2	311.98	1/2	47.45	1/2		1/2			
3/4	1,894.43	3/4	1,562.94	3/4	1,231.44	3/4	901.96	3/4	591.79	3/4	306.22	3/4	42.17	3/4		3/4			
3	1,887.52	3	1,556.03	3	1,224.54	3	895.27	3	585.63	3	300.49	3	37.79	3		3			
1/4	1,880.62	1/4	1,549.13	1/4	1,217.63	1/4	888.59	1/4	579.46	1/4	294.77	1/4	33.41	1/4		1/4			
1/2	1,873.71	1/2	1,542.22	1/2	1,210.73	1/2	881.90	1/2	573.30	1/2	289.05	1/2	29.03	1/2		1/2			
3/4	1,866.81	3/4	1,535.31	3/4	1,203.82	3/4	875.22	3/4	567.13	3/4	283.33	3/4	24.66	3/4		3/4			
4	1,859.90	4	1,528.41	4	1,196.91	4	868.57	4	561.01	4	277.65	4	22.05	4		4			
1/4	1,852.99	1/4	1,521.50	1/4	1,190.01	1/4	861.93	1/4	554.89	1/4	271.96	1/4	19.44	1/4		1/4			
1/2	1,846.09	1/2	1,514.59	1/2	1,183.10	1/2	855.28	1/2	548.76	1/2	266.28	1/2	16.83	1/2		1/2			
3/4	1,839.18	3/4	1,507.69	3/4	1,176.20	3/4	848.64	3/4	542.64	3/4	260.60	3/4	14.22	3/4		3/4			
5	1,832.28	5	1,500.78	5	1,169.29	5	842.03	5	536.56	5	254.96	5		5		5			
1/4	1,825.37	1/4	1,493.88	1/4	1,162.38	1/4	835.43	1/4	530.47	1/4	249.32	1/4		1/4		1/4			
1/2	1,818.46	1/2	1,486.97	1/2	1,155.48	1/2	828.82	1/2	524.39	1/2	243.68	1/2		1/2		1/2			
3/4	1,811.56	3/4	1,480.06	3/4	1,148.57	3/4	822.22	3/4	518.30	3/4	238.04	3/4		3/4		3/4			
6	1,804.65	6	1,473.16	6	1,141.67	6	815.65	6	512.26	6	232.43	6		6		6			
1/4	1,797.74	1/4	1,466.25	1/4	1,134.76	1/4	809.09	1/4	506.22	1/4	226.83	1/4		1/4		1/4			
1/2	1,790.84	1/2	1,459.35	1/2	1,127.85	1/2	802.52	1/2	500.17	1/2	221.23	1/2		1/2		1/2			
3/4	1,783.93	3/4	1,452.44	3/4	1,120.95	3/4	795.96	3/4	494.13	3/4	215.63	3/4		3/4		3/4			
7	1,777.03	7	1,445.53	7	1,114.04	7	789.43	7	488.13	7	210.07	7		7		7			
1/4	1,770.12	1/4	1,438.63	1/4	1,107.14	1/4	782.91	1/4	482.13	1/4	204.51	1/4		1/4		1/4			
1/2	1,763.21	1/2	1,431.72	1/2	1,100.23	1/2	776.38	1/2	476.12	1/2	198.95	1/2		1/2		1/2			
3/4	1,756.31	3/4	1,424.82	3/4	1,093.32	3/4	769.86	3/4	470.12	3/4	193.39	3/4		3/4		3/4			
8	1,749.40	8	1,417.91	8	1,086.42	8	763.37	8	464.16	8	187.86	8		8		8			
1/4	1,742.50	1/4	1,411.00	1/4	1,079.51	1/4	756.89	1/4	458.20	1/4	182.34	1/4		1/4		1/4			
1/2	1,735.59	1/2	1,404.10	1/2	1,072.60	1/2	750.40	1/2	452.23	1/2	176.82	1/2		1/2		1/2			
3/4	1,728.68	3/4	1,397.19	3/4	1,065.70	3/4	743.92	3/4	446.27	3/4	171.30	3/4		3/4		3/4			
9	1,721.78	9	1,390.29	9	1,058.79	9	737.47	9	440.35	9	165.82	9		9		9			
1/4	1,714.87	1/4	1,383.38	1/4	1,051.89	1/4	731.03	1/4	434.43	1/4	160.34	1/4		1/4		1/4			
1/2	1,707.97	1/2	1,376.47	1/2	1,044.98	1/2	724.59	1/2	428.50	1/2	154.86	1/2		1/2		1/2			
3/4	1,701.06	3/4	1,369.57	3/4	1,038.07	3/4	718.14	3/4	422.58	3/4	149.38	3/4		3/4		3/4			
10	1,694.15	10	1,362.66	10	1,031.19	10	711.74	10	416.70	10	143.94	10		10		10			
1/4	1,687.25	1/4	1,355.75	1/4	1,024.30	1/4	705.33	1/4	410.81	1/4	138.50	1/4		1/4		1/4			
1/2	1,680.34	1/2	1,348.85	1/2	1,017.42	1/2	698.93	1/2	404.93	1/2	133.06	1/2		1/2		1/2			
3/4	1,673.44	3/4	1,341.94	3/4	1,010.53	3/4	692.52	3/4	399.05	3/4	127.61	3/4		3/4		3/4			
11	1,666.53	11	1,335.04	11	1,003.68	11	686.16	11	393.20	11	122.21	11		11		11			
1/4	1,659.62	1/4	1,328.13	1/4	996.84	1/4	679.80	1/4	387.35	1/4	116.81	1/4		1/4		1/4			
1/2	1,652.72	1/2	1,321.22	1/2	989.99	1/2	673.43	1/2	381.50	1/2	111.41	1/2		1/2		1/2			
3/4	1,645.81	3/4	1,314.32	3/4	983.15	3/4	667.07	3/4	375.65	3/4	106.01	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/19/2014 PMA  
RECALCULATED: 06/03/2019 CL  
VERIFIED: 05/07/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2024

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



# BARGE "KIRBY 27014"

## 1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 354"

GAUGE HEIGHT 16'-04 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	4,149.46	0	3,886.98	0	3,597.98	0	3,287.59	0	2,958.97	0	2,627.48	0	2,295.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,142.99	1/4	3,881.19	1/4	3,591.72	1/4	3,280.90	1/4	2,952.07	1/4	2,620.58	1/4	2,289.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,136.53	1/2	3,875.40	1/2	3,585.45	1/2	3,274.22	1/2	2,945.16	1/2	2,613.67	1/2	2,282.18		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,131.51	3/4	3,869.57	3/4	3,579.16	3/4	3,267.50	3/4	2,938.26	3/4	2,606.76	3/4	2,275.27		
1		1		1		1	4,126.50	1	3,863.74	1	3,572.86	1	3,260.79	1	2,931.35	1	2,599.86	1	2,268.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,121.49	1/4	3,857.91	1/4	3,566.57	1/4	3,254.07	1/4	2,924.44	1/4	2,592.95	1/4	2,261.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,116.47	1/2	3,852.08	1/2	3,560.27	1/2	3,247.36	1/2	2,917.54	1/2	2,586.04	1/2	2,254.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,111.43	3/4	3,846.22	3/4	3,553.95	3/4	3,240.60	3/4	2,910.63	3/4	2,579.14	3/4	2,247.65		
2		2		2		2	4,106.39	2	3,840.36	2	3,547.62	2	3,233.84	2	2,903.73	2	2,572.23	2	2,240.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,101.34	1/4	3,834.50	1/4	3,541.30	1/4	3,227.08	1/4	2,896.82	1/4	2,565.33	1/4	2,233.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,096.30	1/2	3,828.64	1/2	3,534.97	1/2	3,220.32	1/2	2,889.91	1/2	2,558.42	1/2	2,226.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,091.21	3/4	3,822.74	3/4	3,528.60	3/4	3,213.54	3/4	2,883.01	3/4	2,551.51	3/4	2,220.02		
3		3		3		3	4,086.13	3	3,816.84	3	3,522.24	3	3,206.75	3	2,876.10	3	2,544.61	3	2,213.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,081.04	1/4	3,810.93	1/4	3,515.87	1/4	3,199.96	1/4	2,869.19	1/4	2,537.70	1/4	2,206.21		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,075.95	1/2	3,805.03	1/2	3,509.51	1/2	3,193.18	1/2	2,862.29	1/2	2,530.80	1/2	2,199.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,070.84	3/4	3,799.10	3/4	3,503.12	3/4	3,186.36	3/4	2,855.38	3/4	2,523.89	3/4	2,192.40		
4		4		4		4	4,065.72	4	3,793.17	4	3,496.73	4	3,179.54	4	2,848.48	4	2,516.98	4	2,185.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,060.61	1/4	3,787.23	1/4	3,490.34	1/4	3,172.72	1/4	2,841.57	1/4	2,510.08	1/4	2,178.58		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,055.49	1/2	3,781.30	1/2	3,483.95	1/2	3,165.90	1/2	2,834.66	1/2	2,503.17	1/2	2,171.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,050.34	3/4	3,775.32	3/4	3,477.53	3/4	3,159.04	3/4	2,827.76	3/4	2,496.27	3/4	2,164.77		
5		5		5		5	4,045.20	5	3,769.33	5	3,471.10	5	3,152.18	5	2,820.85	5	2,489.36	5	2,157.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,040.05	1/4	3,763.34	1/4	3,464.67	1/4	3,145.33	1/4	2,813.95	1/4	2,482.45	1/4	2,150.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,034.90	1/2	3,757.36	1/2	3,458.24	1/2	3,138.47	1/2	2,807.04	1/2	2,475.55	1/2	2,144.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,029.31	3/4	3,751.35	3/4	3,451.78	3/4	3,131.58	3/4	2,800.13	3/4	2,468.64	3/4	2,137.15		
6		6		6		6	4,023.72	6	3,745.33	6	3,445.32	6	3,124.69	6	2,793.23	6	2,461.73	6	2,130.24		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,018.13	1/4	3,739.32	1/4	3,438.86	1/4	3,117.80	1/4	2,786.32	1/4	2,454.83	1/4	2,123.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,292.11	1/2	4,012.53	1/2	3,733.30	1/2	3,432.40	1/2	3,110.91	1/2	2,779.42	1/2	2,447.92	1/2	2,116.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,285.61	3/4	4,006.91	3/4	3,727.26	3/4	3,425.90	3/4	3,104.00	3/4	2,772.51	3/4	2,441.02	3/4	2,109.52
7		7		7		7	4,279.11	7	3,721.21	7	3,419.40	7	3,097.10	7	2,765.60	7	2,434.11	7	2,102.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,272.61	1/4	3,995.66	1/4	3,715.17	1/4	3,412.89	1/4	3,090.19	1/4	2,758.70	1/4	2,427.20	1/4	2,095.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,266.11	1/2	3,990.03	1/2	3,709.12	1/2	3,406.39	1/2	3,083.28	1/2	2,751.79	1/2	2,420.30	1/2	2,088.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,259.61	3/4	3,984.37	3/4	3,703.04	3/4	3,399.86	3/4	3,076.38	3/4	2,744.89	3/4	2,413.39	3/4	2,081.90
8		8		8		8	4,253.11	8	3,978.70	8	3,696.95	8	3,393.33	8	3,069.47	8	2,737.98	8	2,406.49	8	2,074.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,246.61	1/4	3,973.04	1/4	3,690.87	1/4	3,386.80	1/4	3,062.57	1/4	2,731.07	1/4	2,399.58	1/4	2,068.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,240.11	1/2	3,967.37	1/2	3,684.78	1/2	3,380.27	1/2	3,055.66	1/2	2,724.17	1/2	2,392.67	1/2	2,061.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,233.61	3/4	3,961.68	3/4	3,678.63	3/4	3,373.69	3/4	3,048.75	3/4	2,717.26	3/4	2,385.77	3/4	2,054.28
9		9		9		9	4,227.11	9	3,955.98	9	3,672.48	9	3,367.12	9	3,041.85	9	2,710.35	9	2,378.86	9	2,047.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,220.61	1/4	3,950.28	1/4	3,666.33	1/4	3,360.55	1/4	3,034.94	1/4	2,703.45	1/4	2,371.96	1/4	2,040.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,214.11	1/2	3,944.59	1/2	3,660.17	1/2	3,353.98	1/2	3,028.04	1/2	2,696.54	1/2	2,365.05	1/2	2,033.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,207.65	3/4	3,938.85	3/4	3,653.98	3/4	3,347.37	3/4	3,021.13	3/4	2,689.64	3/4	2,358.14	3/4	2,026.65
10		10		10		10	4,201.18	10	3,933.11	10	3,647.79	10	3,340.75	10	3,014.22	10	2,682.73	10	2,351.24	10	2,019.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,194.71	1/4	3,927.37	1/4	3,641.60	1/4	3,334.14	1/4	3,007.32	1/4	2,675.82	1/4	2,344.33	1/4	2,012.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,188.25	1/2	3,921.63	1/2	3,635.41	1/2	3,327.53	1/2	3,000.41	1/2	2,668.92	1/2	2,337.43	1/2	2,005.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,181.78	3/4	3,915.86	3/4	3,629.18	3/4	3,320.89	3/4	2,993.50	3/4	2,662.01	3/4	2,330.52	3/4	1,999.03
11		11		11		11	4,175.32	11	3,910.10	11	3,622.96	11	3,314.24	11	2,986.60	11	2,655.11	11	2,323.61	11	1,992.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,168.85	1/4	3,904.33	1/4	3,616.74	1/4	3,307.60	1/4	2,979.69	1/4	2,648.20	1/4	2,316.71	1/4	1,985.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,162.39	1/2	3,898.56	1/2	3,610.51	1/2	3,300.95	1/2	2,972.79	1/2	2,641.29	1/2	2,309.80	1/2	1,978.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,155.92	3/4	3,892.77	3/4	3,604.25	3/4	3,294.27	3/4	2,965.88	3/4	2,634.39	3/4	2,302.89	3/4	1,971.40

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 CLOSED GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51' 3" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 27014"

## 1 STBD ULLAGE TABLE HERMETIC

GAUGE HEIGHT 16'-04 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 354"

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	1,964.50	0	1,633.00	0	1,301.51	0	970.54	0	655.44	0	364.07	0	95.26	0		0			
1/4	1,957.59	1/4	1,626.10	1/4	1,294.60	1/4	963.73	1/4	649.12	1/4	358.23	1/4	89.90	1/4		1/4		1/4	
1/2	1,950.68	1/2	1,619.19	1/2	1,287.70	1/2	956.93	1/2	642.79	1/2	352.38	1/2	84.54	1/2		1/2		1/2	
3/4	1,943.78	3/4	1,612.28	3/4	1,280.79	3/4	950.16	3/4	636.51	3/4	346.58	3/4	79.22	3/4		3/4		3/4	
1	1,936.87	1	1,605.38	1	1,273.89	1	943.40	1	630.23	1	340.78	1	73.90	1		1		1	
1/4	1,929.97	1/4	1,598.47	1/4	1,266.98	1/4	936.63	1/4	623.94	1/4	334.98	1/4	68.59	1/4		1/4		1/4	
1/2	1,923.06	1/2	1,591.57	1/2	1,260.07	1/2	929.87	1/2	617.66	1/2	329.18	1/2	63.27	1/2		1/2		1/2	
3/4	1,916.15	3/4	1,584.66	3/4	1,253.17	3/4	923.14	3/4	611.42	3/4	323.42	3/4	57.99	3/4		3/4		3/4	
2	1,909.25	2	1,577.75	2	1,246.26	2	916.42	2	605.19	2	317.66	2	52.71	2		2		2	
1/4	1,902.34	1/4	1,570.85	1/4	1,239.36	1/4	909.69	1/4	598.96	1/4	311.90	1/4	47.43	1/4		1/4		1/4	
1/2	1,895.43	1/2	1,563.94	1/2	1,232.45	1/2	902.97	1/2	592.72	1/2	306.14	1/2	42.15	1/2		1/2		1/2	
3/4	1,888.53	3/4	1,557.04	3/4	1,225.54	3/4	896.28	3/4	586.53	3/4	300.42	3/4	37.78	3/4		3/4		3/4	
3	1,881.62	3	1,550.13	3	1,218.64	3	889.60	3	580.35	3	294.70	3	33.40	3		3		3	
1/4	1,874.72	1/4	1,543.22	1/4	1,211.73	1/4	882.91	1/4	574.16	1/4	288.98	1/4	29.02	1/4		1/4		1/4	
1/2	1,867.81	1/2	1,536.32	1/2	1,204.82	1/2	876.22	1/2	567.97	1/2	283.25	1/2	24.65	1/2		1/2		1/2	
3/4	1,860.90	3/4	1,529.41	3/4	1,197.92	3/4	869.58	3/4	561.83	3/4	277.57	3/4	22.04	3/4		3/4		3/4	
4	1,854.00	4	1,522.51	4	1,191.01	4	862.93	4	555.68	4	271.89	4	19.43	4		4		4	
1/4	1,847.09	1/4	1,515.60	1/4	1,184.11	1/4	856.29	1/4	549.53	1/4	266.21	1/4	16.82	1/4		1/4		1/4	
1/2	1,840.19	1/2	1,508.69	1/2	1,177.20	1/2	849.65	1/2	543.38	1/2	260.53	1/2	14.21	1/2		1/2		1/2	
3/4	1,833.28	3/4	1,501.79	3/4	1,170.29	3/4	843.04	3/4	537.28	3/4	254.89	3/4		3/4		3/4		3/4	
5	1,826.37	5	1,494.88	5	1,163.39	5	836.44	5	531.17	5	249.25	5		5		5		5	
1/4	1,819.47	1/4	1,487.97	1/4	1,156.48	1/4	829.83	1/4	525.06	1/4	243.61	1/4		1/4		1/4		1/4	
1/2	1,812.56	1/2	1,481.07	1/2	1,149.58	1/2	823.23	1/2	518.96	1/2	237.97	1/2		1/2		1/2		1/2	
3/4	1,805.66	3/4	1,474.16	3/4	1,142.67	3/4	816.66	3/4	512.89	3/4	232.37	3/4		3/4		3/4		3/4	
6	1,798.75	6	1,467.26	6	1,135.76	6	810.10	6	506.82	6	226.77	6		6		6		6	
1/4	1,791.84	1/4	1,460.35	1/4	1,128.86	1/4	803.53	1/4	500.76	1/4	221.17	1/4		1/4		1/4		1/4	
1/2	1,784.94	1/2	1,453.44	1/2	1,121.95	1/2	796.97	1/2	494.69	1/2	215.57	1/2		1/2		1/2		1/2	
3/4	1,778.03	3/4	1,446.54	3/4	1,115.05	3/4	790.44	3/4	488.66	3/4	210.01	3/4		3/4		3/4		3/4	
7	1,771.12	7	1,439.63	7	1,108.14	7	783.92	7	482.64	7	204.45	7		7		7		7	
1/4	1,764.22	1/4	1,432.73	1/4	1,101.23	1/4	777.39	1/4	476.61	1/4	198.89	1/4		1/4		1/4		1/4	
1/2	1,757.31	1/2	1,425.82	1/2	1,094.33	1/2	770.87	1/2	470.59	1/2	193.33	1/2		1/2		1/2		1/2	
3/4	1,750.41	3/4	1,418.91	3/4	1,087.42	3/4	764.39	3/4	464.60	3/4	187.81	3/4		3/4		3/4		3/4	
8	1,743.50	8	1,412.01	8	1,080.51	8	757.90	8	458.62	8	182.29	8		8		8		8	
1/4	1,736.59	1/4	1,405.10	1/4	1,073.61	1/4	751.42	1/4	452.63	1/4	176.77	1/4		1/4		1/4		1/4	
1/2	1,729.69	1/2	1,398.20	1/2	1,066.70	1/2	744.93	1/2	446.65	1/2	171.25	1/2		1/2		1/2		1/2	
3/4	1,722.78	3/4	1,391.29	3/4	1,059.80	3/4	738.49	3/4	440.70	3/4	165.77	3/4		3/4		3/4		3/4	
9	1,715.88	9	1,384.38	9	1,052.89	9	732.04	9	434.75	9	160.29	9		9		9		9	
1/4	1,708.97	1/4	1,377.48	1/4	1,045.98	1/4	725.60	1/4	428.81	1/4	154.81	1/4		1/4		1/4		1/4	
1/2	1,702.06	1/2	1,370.57	1/2	1,039.08	1/2	719.16	1/2	422.86	1/2	149.33	1/2		1/2		1/2		1/2	
3/4	1,695.16	3/4	1,363.67	3/4	1,032.19	3/4	712.75	3/4	416.96	3/4	143.89	3/4		3/4		3/4		3/4	
10	1,688.25	10	1,356.76	10	1,025.31	10	706.35	10	411.05	10	138.45	10		10		10		10	
1/4	1,681.35	1/4	1,349.85	1/4	1,018.42	1/4	699.94	1/4	405.14	1/4	133.02	1/4		1/4		1/4		1/4	
1/2	1,674.44	1/2	1,342.95	1/2	1,011.53	1/2	693.54	1/2	399.24	1/2	127.58	1/2		1/2		1/2		1/2	
3/4	1,667.53	3/4	1,336.04	3/4	1,004.63	3/4	687.18	3/4	393.37	3/4	122.18	3/4		3/4		3/4		3/4	
11	1,660.63	11	1,329.13	11	997.84	11	680.81	11	387.49	11	116.78	11		11		11		11	
1/4	1,653.72	1/4	1,322.23	1/4	991.00	1/4	674.45	1/4	381.62	1/4	111.38	1/4		1/4		1/4		1/4	
1/2	1,646.82	1/2	1,315.32	1/2	984.15	1/2	668.09	1/2	375.75	1/2	105.98	1/2		1/2		1/2		1/2	
3/4	1,639.91	3/4	1,308.42	3/4	977.35	3/4	661.76	3/4	369.91	3/4	100.62	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/19/2014 PMA  
RECALCULATED: 06/03/2019 CL  
VERIFIED: 05/07/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2024

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





# BARGE "KIRBY 27014"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 354"

GAUGE HEIGHT 16'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,021.81	0	4,713.86	0	4,376.25	0	4,013.54	0	3,629.31	0	3,241.46	0	2,853.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,014.25	1/4	4,707.09	1/4	4,368.92	1/4	4,005.72	1/4	3,621.23	1/4	3,233.38	1/4	2,845.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,006.68	1/2	4,700.31	1/2	4,361.59	1/2	3,997.90	1/2	3,613.15	1/2	3,225.30	1/2	2,837.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,999.12	3/4	4,693.54	3/4	4,354.25	3/4	3,990.08	3/4	3,605.07	3/4	3,217.22	3/4	2,829.36
1	1	1	1	1	1	1	4,993.25	1	4,686.72	1	4,346.89	1	3,982.22	1	3,596.99	1	3,209.14	1	2,821.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,987.38	1/4	4,679.89	1/4	4,339.52	1/4	3,974.36	1/4	3,588.91	1/4	3,201.06	1/4	2,813.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,981.52	1/2	4,673.07	1/2	4,332.16	1/2	3,966.51	1/2	3,580.83	1/2	3,192.98	1/2	2,805.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,975.65	3/4	4,666.25	3/4	4,324.79	3/4	3,958.65	3/4	3,572.75	3/4	3,184.90	3/4	2,797.04
2	2	2	2	2	2	2	4,969.75	2	4,659.39	2	4,317.39	2	3,950.74	2	3,564.67	2	3,176.82	2	2,788.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,963.84	1/4	4,652.53	1/4	4,309.99	1/4	3,942.83	1/4	3,556.59	1/4	3,168.74	1/4	2,780.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,957.94	1/2	4,645.68	1/2	4,302.59	1/2	3,934.93	1/2	3,548.51	1/2	3,160.66	1/2	2,772.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,952.04	3/4	4,638.82	3/4	4,295.18	3/4	3,927.02	3/4	3,540.43	3/4	3,152.58	3/4	2,764.72
3	3	3	3	3	3	3	4,946.08	3	4,631.91	3	4,287.73	3	3,919.08	3	3,532.35	3	3,144.50	3	2,756.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,940.13	1/4	4,625.00	1/4	4,280.29	1/4	3,911.14	1/4	3,524.27	1/4	3,136.42	1/4	2,748.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,934.18	1/2	4,618.10	1/2	4,272.84	1/2	3,903.20	1/2	3,516.19	1/2	3,128.34	1/2	2,740.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,928.22	3/4	4,611.19	3/4	4,265.39	3/4	3,895.26	3/4	3,508.11	3/4	3,120.26	3/4	2,732.40
4	4	4	4	4	4	4	4,922.24	4	4,604.25	4	4,257.91	4	3,887.28	4	3,500.03	4	3,112.18	4	2,724.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,916.25	1/4	4,597.31	1/4	4,250.44	1/4	3,879.30	1/4	3,491.95	1/4	3,104.10	1/4	2,716.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,910.27	1/2	4,590.37	1/2	4,242.96	1/2	3,871.32	1/2	3,483.87	1/2	3,096.01	1/2	2,708.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,904.28	3/4	4,583.42	3/4	4,235.49	3/4	3,863.34	3/4	3,475.79	3/4	3,087.93	3/4	2,700.08
5	5	5	5	5	5	5	4,898.26	5	4,576.42	5	4,227.97	5	3,855.32	5	3,467.71	5	3,079.85	5	2,692.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,892.23	1/4	4,569.42	1/4	4,220.44	1/4	3,847.29	1/4	3,459.63	1/4	3,071.77	1/4	2,683.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,886.21	1/2	4,562.41	1/2	4,212.92	1/2	3,839.27	1/2	3,451.55	1/2	3,063.69	1/2	2,675.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,880.18	3/4	4,555.41	3/4	4,205.40	3/4	3,831.25	3/4	3,443.47	3/4	3,055.61	3/4	2,667.76
6	6	6	6	6	6	6	4,873.64	6	4,548.37	6	4,197.84	6	3,823.19	6	3,435.39	6	3,047.53	6	2,659.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,867.10	1/4	4,541.34	1/4	4,190.28	1/4	3,815.12	1/4	3,427.31	1/4	3,039.45	1/4	2,651.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,860.55	1/2	4,534.30	1/2	4,182.73	1/2	3,807.06	1/2	3,419.23	1/2	3,031.37	1/2	2,643.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,181.16	3/4	4,854.01	3/4	4,527.26	3/4	4,175.17	3/4	3,799.00	3/4	3,411.15	3/4	3,023.29
7	7	7	7	7	7	7	4,847.42	7	4,520.19	7	4,167.56	7	3,790.92	7	3,403.07	7	3,015.21	7	2,627.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,165.95	1/4	4,840.84	1/4	4,513.11	1/4	4,159.95	1/4	3,782.84	1/4	3,394.99	1/4	3,007.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,158.34	1/2	4,834.26	1/2	4,506.04	1/2	4,152.34	1/2	3,774.76	1/2	3,386.91	1/2	2,999.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,150.74	3/4	4,827.68	3/4	4,498.97	3/4	4,144.73	3/4	3,766.68	3/4	3,378.83	3/4	2,990.97
8	8	8	8	8	8	8	5,143.13	8	4,821.05	8	4,491.84	8	4,137.09	8	3,758.60	8	3,370.74	8	2,982.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,135.53	1/4	4,814.42	1/4	4,484.72	1/4	4,129.45	1/4	3,750.52	1/4	3,362.66	1/4	2,974.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,127.92	1/2	4,807.79	1/2	4,477.60	1/2	4,121.81	1/2	3,742.44	1/2	3,354.58	1/2	2,966.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,120.32	3/4	4,801.16	3/4	4,470.48	3/4	4,114.17	3/4	3,734.36	3/4	3,346.50	3/4	2,958.65
9	9	9	9	9	9	9	5,112.71	9	4,794.49	9	4,463.29	9	4,106.47	9	3,726.28	9	3,338.42	9	2,950.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,105.11	1/4	4,787.83	1/4	4,456.09	1/4	4,098.78	1/4	3,718.20	1/4	3,330.34	1/4	2,942.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,097.50	1/2	4,781.16	1/2	4,448.89	1/2	4,091.09	1/2	3,710.12	1/2	3,322.26	1/2	2,934.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,089.89	3/4	4,774.50	3/4	4,441.69	3/4	4,083.40	3/4	3,702.04	3/4	3,314.18	3/4	2,926.33
10	10	10	10	10	10	10	5,082.33	10	4,767.78	10	4,434.45	10	4,075.67	10	3,693.96	10	3,306.10	10	2,918.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,074.76	1/4	4,761.07	1/4	4,427.20	1/4	4,067.93	1/4	3,685.88	1/4	3,298.02	1/4	2,910.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,067.20	1/2	4,754.35	1/2	4,419.95	1/2	4,060.19	1/2	3,677.80	1/2	3,289.94	1/2	2,902.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,059.63	3/4	4,747.63	3/4	4,412.71	3/4	4,052.46	3/4	3,669.72	3/4	3,281.86	3/4	2,894.01
11	11	11	11	11	11	11	5,052.07	11	4,740.89	11	4,405.43	11	4,044.68	11	3,661.64	11	3,273.78	11	2,885.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,044.51	1/4	4,734.14	1/4	4,398.15	1/4	4,036.91	1/4	3,653.56	1/4	3,265.70	1/4	2,877.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,036.94	1/2	4,727.39	1/2	4,390.86	1/2	4,029.14	1/2	3,645.48	1/2	3,257.62	1/2	2,869.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,029.38	3/4	4,720.64	3/4	4,383.58	3/4	4,021.36	3/4	3,637.39	3/4	3,249.54	3/4	2,861.69

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 CLOSED GAUGING DEVICE"  
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51' 3" FORWARD OF AFT BULKHEAD.

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





# BARGE "KIRBY 27014"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 354"

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,465.75	0	2,077.90	0	1,690.04	0	1,302.19	0	914.33	0	540.23	0	153.92	0		0			
1/4	2,457.67	1/4	2,069.82	1/4	1,681.96	1/4	1,294.11	1/4	906.25	1/4	532.46	1/4	145.84	1/4		1/4		1/4	
1/2	2,449.59	1/2	2,061.74	1/2	1,673.88	1/2	1,286.03	1/2	898.17	1/2	524.69	1/2	137.76	1/2		1/2		1/2	
3/4	2,441.51	3/4	2,053.66	3/4	1,665.80	3/4	1,277.95	3/4	890.09	3/4	516.91	3/4	129.68	3/4		3/4		3/4	
1	2,433.43	1	2,045.58	1	1,657.72	1	1,269.87	1	882.17	1	508.98	1	121.60	1		1		1	
1/4	2,425.35	1/4	2,037.50	1/4	1,649.64	1/4	1,261.79	1/4	874.24	1/4	501.06	1/4	113.52	1/4		1/4		1/4	
1/2	2,417.27	1/2	2,029.42	1/2	1,641.56	1/2	1,253.71	1/2	866.31	1/2	493.13	1/2	105.44	1/2		1/2		1/2	
3/4	2,409.19	3/4	2,021.33	3/4	1,633.48	3/4	1,245.63	3/4	858.38	3/4	485.20	3/4	97.36	3/4		3/4		3/4	
2	2,401.11	2	2,013.25	2	1,625.40	2	1,237.55	2	850.62	2	477.12	2	89.28	2		2		2	
1/4	2,393.03	1/4	2,005.17	1/4	1,617.32	1/4	1,229.47	1/4	842.85	1/4	469.04	1/4	81.20	1/4		1/4		1/4	
1/2	2,384.95	1/2	1,997.09	1/2	1,609.24	1/2	1,221.39	1/2	835.09	1/2	460.96	1/2	73.12	1/2		1/2		1/2	
3/4	2,376.87	3/4	1,989.01	3/4	1,601.16	3/4	1,213.30	3/4	827.32	3/4	452.88	3/4	65.04	3/4		3/4		3/4	
3	2,368.79	3	1,980.93	3	1,593.08	3	1,205.22	3	819.57	3	444.80	3	57.97	3		3		3	
1/4	2,360.71	1/4	1,972.85	1/4	1,585.00	1/4	1,197.14	1/4	811.81	1/4	436.72	1/4	50.90	1/4		1/4		1/4	
1/2	2,352.63	1/2	1,964.77	1/2	1,576.92	1/2	1,189.06	1/2	804.05	1/2	428.64	1/2	43.83	1/2		1/2		1/2	
3/4	2,344.55	3/4	1,956.69	3/4	1,568.84	3/4	1,180.98	3/4	796.29	3/4	420.56	3/4	36.76	3/4		3/4		3/4	
4	2,336.47	4	1,948.61	4	1,560.76	4	1,172.90	4	788.53	4	412.48	4	31.71	4		4		4	
1/4	2,328.39	1/4	1,940.53	1/4	1,552.68	1/4	1,164.82	1/4	780.77	1/4	404.40	1/4	26.66	1/4		1/4		1/4	
1/2	2,320.31	1/2	1,932.45	1/2	1,544.60	1/2	1,156.74	1/2	773.02	1/2	396.32	1/2	21.61	1/2		1/2		1/2	
3/4	2,312.23	3/4	1,924.37	3/4	1,536.52	3/4	1,148.66	3/4	765.26	3/4	388.24	3/4	16.56	3/4		3/4		3/4	
5	2,304.15	5	1,916.29	5	1,528.44	5	1,140.58	5	757.50	5	380.16	5		5		5		5	
1/4	2,296.06	1/4	1,908.21	1/4	1,520.36	1/4	1,132.50	1/4	749.74	1/4	372.08	1/4		1/4		1/4		1/4	
1/2	2,287.98	1/2	1,900.13	1/2	1,512.28	1/2	1,124.42	1/2	741.98	1/2	364.00	1/2		1/2		1/2		1/2	
3/4	2,279.90	3/4	1,892.05	3/4	1,504.20	3/4	1,116.34	3/4	734.22	3/4	355.92	3/4		3/4		3/4		3/4	
6	2,271.82	6	1,883.97	6	1,496.12	6	1,108.26	6	726.47	6	347.84	6		6		6		6	
1/4	2,263.74	1/4	1,875.89	1/4	1,488.03	1/4	1,100.18	1/4	718.71	1/4	339.76	1/4		1/4		1/4		1/4	
1/2	2,255.66	1/2	1,867.81	1/2	1,479.95	1/2	1,092.10	1/2	710.95	1/2	331.68	1/2		1/2		1/2		1/2	
3/4	2,247.58	3/4	1,859.73	3/4	1,471.87	3/4	1,084.02	3/4	703.19	3/4	323.60	3/4		3/4		3/4		3/4	
7	2,239.50	7	1,851.65	7	1,463.79	7	1,075.94	7	695.43	7	315.52	7		7		7		7	
1/4	2,231.42	1/4	1,843.57	1/4	1,455.71	1/4	1,067.86	1/4	687.68	1/4	307.44	1/4		1/4		1/4		1/4	
1/2	2,223.34	1/2	1,835.49	1/2	1,447.63	1/2	1,059.78	1/2	679.92	1/2	299.36	1/2		1/2		1/2		1/2	
3/4	2,215.26	3/4	1,827.41	3/4	1,439.55	3/4	1,051.70	3/4	672.16	3/4	291.28	3/4		3/4		3/4		3/4	
8	2,207.18	8	1,819.33	8	1,431.47	8	1,043.62	8	664.40	8	283.20	8		8		8		8	
1/4	2,199.10	1/4	1,811.25	1/4	1,423.39	1/4	1,035.54	1/4	656.65	1/4	275.12	1/4		1/4		1/4		1/4	
1/2	2,191.02	1/2	1,803.17	1/2	1,415.31	1/2	1,027.46	1/2	648.89	1/2	267.04	1/2		1/2		1/2		1/2	
3/4	2,182.94	3/4	1,795.09	3/4	1,407.23	3/4	1,019.38	3/4	641.13	3/4	258.96	3/4		3/4		3/4		3/4	
9	2,174.86	9	1,787.01	9	1,399.15	9	1,011.30	9	633.37	9	250.88	9		9		9		9	
1/4	2,166.78	1/4	1,778.93	1/4	1,391.07	1/4	1,003.22	1/4	625.62	1/4	242.80	1/4		1/4		1/4		1/4	
1/2	2,158.70	1/2	1,770.85	1/2	1,382.99	1/2	995.14	1/2	617.86	1/2	234.72	1/2		1/2		1/2		1/2	
3/4	2,150.62	3/4	1,762.77	3/4	1,374.91	3/4	987.06	3/4	610.10	3/4	226.64	3/4		3/4		3/4		3/4	
10	2,142.54	10	1,754.68	10	1,366.83	10	978.98	10	602.34	10	218.56	10		10		10		10	
1/4	2,134.46	1/4	1,746.60	1/4	1,358.75	1/4	970.90	1/4	594.58	1/4	210.48	1/4		1/4		1/4		1/4	
1/2	2,126.38	1/2	1,738.52	1/2	1,350.67	1/2	962.82	1/2	586.83	1/2	202.40	1/2		1/2		1/2		1/2	
3/4	2,118.30	3/4	1,730.44	3/4	1,342.59	3/4	954.74	3/4	579.07	3/4	194.32	3/4		3/4		3/4		3/4	
11	2,110.22	11	1,722.36	11	1,334.51	11	946.65	11	571.30	11	186.24	11		11		11		11	
1/4	2,102.14	1/4	1,714.28	1/4	1,326.43	1/4	938.57	1/4	563.54	1/4	178.16	1/4		1/4		1/4		1/4	
1/2	2,094.06	1/2	1,706.20	1/2	1,318.35	1/2	930.49	1/2	555.77	1/2	170.08	1/2		1/2		1/2		1/2	
3/4	2,085.98	3/4	1,698.12	3/4	1,310.27	3/4	922.41	3/4	548.01	3/4	162.00	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/19/2014 PMA  
RECALCULATED: 06/03/2019 CL  
VERIFIED: 05/07/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2024

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



# BARGE "KIRBY 27014"

## 2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 354"

GAUGE HEIGHT 16'-04 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	5,031.32	0	4,723.96	0	4,385.60	0	4,022.22	0	3,637.55	0	3,249.53	0	2,861.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,023.75	1/4	4,717.18	1/4	4,378.27	1/4	4,014.40	1/4	3,629.47	1/4	3,241.44	1/4	2,853.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,016.19	1/2	4,710.40	1/2	4,370.93	1/2	4,006.57	1/2	3,621.38	1/2	3,233.36	1/2	2,845.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,010.31	3/4	4,703.58	3/4	4,363.56	3/4	3,998.71	3/4	3,613.30	3/4	3,225.27	3/4	2,837.25
1		1		1		1	5,004.44	1	4,696.75	1	4,356.19	1	3,990.85	1	3,605.22	1	3,217.19	1	2,829.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,998.57	1/4	4,689.93	1/4	4,348.82	1/4	3,982.99	1/4	3,597.13	1/4	3,209.11	1/4	2,821.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,992.70	1/2	4,683.10	1/2	4,341.45	1/2	3,975.13	1/2	3,589.05	1/2	3,201.02	1/2	2,812.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,986.79	3/4	4,676.24	3/4	4,334.05	3/4	3,967.22	3/4	3,580.97	3/4	3,192.94	3/4	2,804.91
2		2		2		2	4,980.89	2	4,669.38	2	4,326.64	2	3,959.31	2	3,572.88	2	3,184.85	2	2,796.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,974.98	1/4	4,662.51	1/4	4,319.24	1/4	3,951.40	1/4	3,564.80	1/4	3,176.77	1/4	2,788.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,969.07	1/2	4,655.65	1/2	4,311.83	1/2	3,943.48	1/2	3,556.71	1/2	3,168.69	1/2	2,780.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,963.11	3/4	4,648.74	3/4	4,304.38	3/4	3,935.54	3/4	3,548.63	3/4	3,160.60	3/4	2,772.58
3		3		3		3	4,957.16	3	4,641.83	3	4,296.92	3	3,927.60	3	3,540.55	3	3,152.52	3	2,764.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,951.20	1/4	4,634.92	1/4	4,289.47	1/4	3,919.65	1/4	3,532.46	1/4	3,144.43	1/4	2,756.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,945.24	1/2	4,628.01	1/2	4,282.02	1/2	3,911.71	1/2	3,524.38	1/2	3,136.35	1/2	2,748.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,939.25	3/4	4,621.07	3/4	4,274.54	3/4	3,903.72	3/4	3,516.29	3/4	3,128.27	3/4	2,740.24
4		4		4		4	4,933.26	4	4,614.12	4	4,267.06	4	3,895.74	4	3,508.21	4	3,120.18	4	2,732.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,927.27	1/4	4,607.17	1/4	4,259.58	1/4	3,887.76	1/4	3,500.13	1/4	3,112.10	1/4	2,724.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,921.28	1/2	4,600.23	1/2	4,252.10	1/2	3,879.78	1/2	3,492.04	1/2	3,104.02	1/2	2,715.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,915.25	3/4	4,593.22	3/4	4,244.58	3/4	3,871.75	3/4	3,483.96	3/4	3,095.93	3/4	2,707.90
5		5		5		5	4,909.22	5	4,586.21	5	4,237.05	5	3,863.72	5	3,475.87	5	3,087.85	5	2,699.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,903.19	1/4	4,579.20	1/4	4,229.53	1/4	3,855.70	1/4	3,467.79	1/4	3,079.76	1/4	2,691.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,897.17	1/2	4,572.20	1/2	4,222.00	1/2	3,847.67	1/2	3,459.71	1/2	3,071.68	1/2	2,683.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,890.62	3/4	4,565.16	3/4	4,214.44	3/4	3,839.60	3/4	3,451.62	3/4	3,063.60	3/4	2,675.57
6		6		6		6	4,884.07	6	4,558.11	6	4,206.88	6	3,831.53	6	3,443.54	6	3,055.51	6	2,667.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,877.52	1/4	4,551.07	1/4	4,199.31	1/4	3,823.47	1/4	3,435.46	1/4	3,047.43	1/4	2,659.40
1/2	1/2	1/4	1/4	1/2	1/2	5,198.32	4,870.97	1/2	4,544.03	1/2	4,191.75	1/2	3,815.40	1/2	3,427.37	1/2	3,039.34	1/2	2,651.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,190.71	3/4	4,864.39	3/4	4,536.95	3/4	4,184.14	3/4	3,807.31	3/4	3,419.29	3/4	3,031.26
7		7		7		7	5,183.10	7	4,857.80	7	4,529.88	7	4,176.53	7	3,799.23	7	3,411.20	7	3,023.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,175.49	1/4	4,851.21	1/4	4,522.80	1/4	4,168.91	1/4	3,791.15	1/4	3,403.12	1/4	3,015.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,167.88	1/2	4,844.63	1/2	4,515.72	1/2	4,161.30	1/2	3,783.06	1/2	3,395.04	1/2	3,007.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,160.27	3/4	4,837.99	3/4	4,508.60	3/4	4,153.66	3/4	3,774.98	3/4	3,386.95	3/4	2,998.92
8		8		8		8	5,152.66	8	4,831.36	8	4,501.47	8	4,146.01	8	3,766.90	8	3,378.87	8	2,990.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,145.06	1/4	4,824.73	1/4	4,494.35	1/4	4,138.37	1/4	3,758.81	1/4	3,370.78	1/4	2,982.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,137.45	1/2	4,818.09	1/2	4,487.22	1/2	4,130.72	1/2	3,750.73	1/2	3,362.70	1/2	2,974.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,129.84	3/4	4,811.42	3/4	4,480.02	3/4	4,123.03	3/4	3,742.64	3/4	3,354.62	3/4	2,966.59
9		9		9		9	5,122.23	9	4,804.75	9	4,472.82	9	4,115.33	9	3,734.56	9	3,346.53	9	2,958.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,114.62	1/4	4,798.08	1/4	4,465.62	1/4	4,107.64	1/4	3,726.48	1/4	3,338.45	1/4	2,950.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,107.01	1/2	4,791.41	1/2	4,458.42	1/2	4,099.94	1/2	3,718.39	1/2	3,330.36	1/2	2,942.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,099.44	3/4	4,784.69	3/4	4,451.17	3/4	4,092.20	3/4	3,710.31	3/4	3,322.28	3/4	2,934.25
10		10		10		10	5,091.87	10	4,777.97	10	4,443.92	10	4,084.46	10	3,702.22	10	3,314.20	10	2,926.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,084.30	1/4	4,771.25	1/4	4,436.67	1/4	4,076.72	1/4	3,694.14	1/4	3,306.11	1/4	2,918.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,076.73	1/2	4,764.53	1/2	4,429.42	1/2	4,068.98	1/2	3,686.06	1/2	3,298.03	1/2	2,910.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,069.17	3/4	4,757.78	3/4	4,422.13	3/4	4,061.21	3/4	3,677.97	3/4	3,289.94	3/4	2,901.92
11		11		11		11	5,061.60	11	4,751.03	11	4,414.85	11	4,053.43	11	3,669.89	11	3,281.86	11	2,893.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,054.03	1/4	4,744.27	1/4	4,407.56	1/4	4,045.65	1/4	3,661.80	1/4	3,273.78	1/4	2,885.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,046.46	1/2	4,737.52	1/2	4,400.27	1/2	4,037.87	1/2	3,653.72	1/2	3,265.69	1/2	2,877.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,038.89	3/4	4,730.74	3/4	4,392.94	3/4	4,030.05	3/4	3,645.64	3/4	3,257.61	3/4	2,869.58

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 CLOSED GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51' 3" FORWARD OF AFT BULKHEAD.

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





# BARGE "KIRBY 27014"

## 2 STBD ULLAGE TABLE HERMETIC

GAUGE HEIGHT 16'-04 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 354"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,473.47	0	2,085.44	0	1,697.42	0	1,309.39	0	921.36	0	533.92	0	145.90	0		0			
1/4	2,465.39	1/4	2,077.36	1/4	1,689.33	1/4	1,301.31	1/4	913.28	1/4	525.84	1/4	137.82	1/4		1/4		1/4	
1/2	2,457.30	1/2	2,069.28	1/2	1,681.25	1/2	1,293.22	1/2	905.19	1/2	517.75	1/2	129.74	1/2		1/2		1/2	
3/4	2,449.22	3/4	2,061.19	3/4	1,673.16	3/4	1,285.14	3/4	897.11	3/4	509.67	3/4	121.65	3/4		3/4		3/4	
1	2,441.14	1	2,053.11	1	1,665.08	1	1,277.05	1	889.03	1	501.59	1	113.57	1		1		1	
1/4	2,433.05	1/4	2,045.02	1/4	1,657.00	1/4	1,268.97	1/4	880.94	1/4	493.50	1/4	105.49	1/4		1/4		1/4	
1/2	2,424.97	1/2	2,036.94	1/2	1,648.91	1/2	1,260.89	1/2	872.86	1/2	485.42	1/2	97.40	1/2		1/2		1/2	
3/4	2,416.88	3/4	2,028.86	3/4	1,640.83	3/4	1,252.80	3/4	864.78	3/4	477.34	3/4	89.32	3/4		3/4		3/4	
2	2,408.80	2	2,020.77	2	1,632.75	2	1,244.72	2	856.71	2	469.25	2	81.23	2		2		2	
1/4	2,400.72	1/4	2,012.69	1/4	1,624.66	1/4	1,236.63	1/4	848.63	1/4	461.17	1/4	73.15	1/4		1/4		1/4	
1/2	2,392.63	1/2	2,004.60	1/2	1,616.58	1/2	1,228.55	1/2	840.56	1/2	453.09	1/2	65.07	1/2		1/2		1/2	
3/4	2,384.55	3/4	1,996.52	3/4	1,608.49	3/4	1,220.47	3/4	832.49	3/4	445.00	3/4	57.99	3/4		3/4		3/4	
3	2,376.46	3	1,988.44	3	1,600.41	3	1,212.38	3	824.42	3	436.92	3	50.92	3		3		3	
1/4	2,368.38	1/4	1,980.35	1/4	1,592.33	1/4	1,204.30	1/4	816.35	1/4	428.83	1/4	43.85	1/4		1/4		1/4	
1/2	2,360.30	1/2	1,972.27	1/2	1,584.24	1/2	1,196.21	1/2	808.29	1/2	420.75	1/2	36.77	1/2		1/2		1/2	
3/4	2,352.21	3/4	1,964.19	3/4	1,576.16	3/4	1,188.13	3/4	800.22	3/4	412.67	3/4	31.72	3/4		3/4		3/4	
4	2,344.13	4	1,956.10	4	1,568.07	4	1,180.05	4	792.15	4	404.58	4	26.67	4		4		4	
1/4	2,336.04	1/4	1,948.02	1/4	1,559.99	1/4	1,171.96	1/4	784.08	1/4	396.50	1/4	21.61	1/4		1/4		1/4	
1/2	2,327.96	1/2	1,939.93	1/2	1,551.91	1/2	1,163.88	1/2	776.01	1/2	388.42	1/2	16.56	1/2		1/2		1/2	
3/4	2,319.88	3/4	1,931.85	3/4	1,543.82	3/4	1,155.80	3/4	767.95	3/4	380.33	3/4		3/4		3/4		3/4	
5	2,311.79	5	1,923.77	5	1,535.74	5	1,147.71	5	759.88	5	372.25	5		5		5		5	
1/4	2,303.71	1/4	1,915.68	1/4	1,527.65	1/4	1,139.63	1/4	751.81	1/4	364.16	1/4		1/4		1/4		1/4	
1/2	2,295.63	1/2	1,907.60	1/2	1,519.57	1/2	1,131.54	1/2	743.74	1/2	356.08	1/2		1/2		1/2		1/2	
3/4	2,287.54	3/4	1,899.51	3/4	1,511.49	3/4	1,123.46	3/4	735.67	3/4	348.00	3/4		3/4		3/4		3/4	
6	2,279.46	6	1,891.43	6	1,503.40	6	1,115.38	6	727.60	6	339.91	6		6		6		6	
1/4	2,271.37	1/4	1,883.35	1/4	1,495.32	1/4	1,107.29	1/4	719.54	1/4	331.83	1/4		1/4		1/4		1/4	
1/2	2,263.29	1/2	1,875.26	1/2	1,487.24	1/2	1,099.21	1/2	711.47	1/2	323.75	1/2		1/2		1/2		1/2	
3/4	2,255.21	3/4	1,867.18	3/4	1,479.15	3/4	1,091.12	3/4	703.40	3/4	315.66	3/4		3/4		3/4		3/4	
7	2,247.12	7	1,859.09	7	1,471.07	7	1,083.04	7	695.33	7	307.58	7		7		7		7	
1/4	2,239.04	1/4	1,851.01	1/4	1,462.98	1/4	1,074.96	1/4	687.27	1/4	299.49	1/4		1/4		1/4		1/4	
1/2	2,230.95	1/2	1,842.93	1/2	1,454.90	1/2	1,066.87	1/2	679.20	1/2	291.41	1/2		1/2		1/2		1/2	
3/4	2,222.87	3/4	1,834.84	3/4	1,446.82	3/4	1,058.79	3/4	671.13	3/4	283.33	3/4		3/4		3/4		3/4	
8	2,214.79	8	1,826.76	8	1,438.73	8	1,050.70	8	663.07	8	275.24	8		8		8		8	
1/4	2,206.70	1/4	1,818.68	1/4	1,430.65	1/4	1,042.62	1/4	655.00	1/4	267.16	1/4		1/4		1/4		1/4	
1/2	2,198.62	1/2	1,810.59	1/2	1,422.56	1/2	1,034.54	1/2	646.93	1/2	259.08	1/2		1/2		1/2		1/2	
3/4	2,190.53	3/4	1,802.51	3/4	1,414.48	3/4	1,026.45	3/4	638.86	3/4	250.99	3/4		3/4		3/4		3/4	
9	2,182.45	9	1,794.42	9	1,406.40	9	1,018.37	9	630.80	9	242.91	9		9		9		9	
1/4	2,174.37	1/4	1,786.34	1/4	1,398.31	1/4	1,010.29	1/4	622.73	1/4	234.83	1/4		1/4		1/4		1/4	
1/2	2,166.28	1/2	1,778.26	1/2	1,390.23	1/2	1,002.20	1/2	614.66	1/2	226.74	1/2		1/2		1/2		1/2	
3/4	2,158.20	3/4	1,770.17	3/4	1,382.14	3/4	994.12	3/4	606.59	3/4	218.66	3/4		3/4		3/4		3/4	
10	2,150.11	10	1,762.09	10	1,374.06	10	986.03	10	598.52	10	210.57	10		10		10		10	
1/4	2,142.03	1/4	1,754.00	1/4	1,365.98	1/4	977.95	1/4	590.46	1/4	202.49	1/4		1/4		1/4		1/4	
1/2	2,133.95	1/2	1,745.92	1/2	1,357.89	1/2	969.87	1/2	582.39	1/2	194.41	1/2		1/2		1/2		1/2	
3/4	2,125.86	3/4	1,737.84	3/4	1,349.81	3/4	961.78	3/4	574.31	3/4	186.32	3/4		3/4		3/4		3/4	
11	2,117.78	11	1,729.75	11	1,341.72	11	953.70	11	566.24	11	178.24	11		11		11		11	
1/4	2,109.70	1/4	1,721.67	1/4	1,333.64	1/4	945.61	1/4	558.16	1/4	170.16	1/4		1/4		1/4		1/4	
1/2	2,101.61	1/2	1,713.58	1/2	1,325.56	1/2	937.53	1/2	550.09	1/2	162.07	1/2		1/2		1/2		1/2	
3/4	2,093.53	3/4	1,705.50	3/4	1,317.47	3/4	929.45	3/4	542.01	3/4	153.99	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/19/2014 PMA  
RECALCULATED: 06/03/2019 CL  
VERIFIED: 05/07/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2024

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



# BARGE "KIRBY 27014"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 354"

GAUGE HEIGHT 16'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,291.86	0	4,089.94	0	3,872.37	0	3,631.76	0	3,369.41	0	3,021.22	0	2,660.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,286.38	1/4	4,085.64	1/4	3,867.56	1/4	3,626.46	1/4	3,363.87	1/4	3,013.73	1/4	2,653.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,280.90	1/2	4,081.33	1/2	3,862.74	1/2	3,621.15	1/2	3,358.34	1/2	3,006.23	1/2	2,645.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,275.42	3/4	4,077.02	3/4	3,857.93	3/4	3,615.85	3/4	3,352.81	3/4	2,998.73	3/4	2,638.37
1	1	1	1	1	1	1	4,269.94	1	4,072.71	1	3,853.12	1	3,610.55	1	3,347.27	1	2,991.23	1	2,630.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,266.04	1/4	4,068.36	1/4	3,848.27	1/4	3,605.22	1/4	3,340.75	1/4	2,983.73	1/4	2,623.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,262.13	1/2	4,064.01	1/2	3,843.43	1/2	3,599.88	1/2	3,334.23	1/2	2,976.22	1/2	2,615.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,258.23	3/4	4,059.66	3/4	3,838.59	3/4	3,594.55	3/4	3,327.71	3/4	2,968.71	3/4	2,608.34
2	2	2	2	2	2	2	4,254.33	2	4,055.31	2	3,833.74	2	3,589.21	2	3,321.19	2	2,961.20	2	2,600.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,250.39	1/4	4,050.93	1/4	3,828.87	1/4	3,583.83	1/4	3,313.68	1/4	2,953.69	1/4	2,593.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,246.46	1/2	4,046.54	1/2	3,823.99	1/2	3,578.45	1/2	3,306.18	1/2	2,946.19	1/2	2,585.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,242.52	3/4	4,042.16	3/4	3,819.11	3/4	3,573.07	3/4	3,298.67	3/4	2,938.68	3/4	2,578.31
3	3	3	3	3	3	3	4,238.59	3	4,037.77	3	3,814.23	3	3,567.68	3	3,291.16	3	2,931.17	3	2,570.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,234.61	1/4	4,033.35	1/4	3,809.31	1/4	3,562.27	1/4	3,283.66	1/4	2,923.66	1/4	2,563.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,230.62	1/2	4,028.92	1/2	3,804.39	1/2	3,556.86	1/2	3,276.15	1/2	2,916.16	1/2	2,555.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,226.64	3/4	4,024.49	3/4	3,799.47	3/4	3,551.45	3/4	3,268.64	3/4	2,908.65	3/4	2,548.25
4	4	4	4	4	4	4	4,222.66	4	4,020.06	4	3,794.55	4	3,546.04	4	3,261.14	4	2,901.14	4	2,540.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,218.65	1/4	4,015.60	1/4	3,789.60	1/4	3,540.59	1/4	3,253.64	1/4	2,893.63	1/4	2,533.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,214.63	1/2	4,011.13	1/2	3,784.65	1/2	3,535.14	1/2	3,246.14	1/2	2,886.13	1/2	2,525.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,210.62	3/4	4,006.67	3/4	3,779.70	3/4	3,529.69	3/4	3,238.64	3/4	2,878.62	3/4	2,518.18
5	5	5	5	5	5	5	4,206.61	5	4,002.21	5	3,774.76	5	3,524.25	5	3,231.15	5	2,871.11	5	2,510.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,202.56	1/4	3,997.69	1/4	3,769.76	1/4	3,518.76	1/4	3,223.65	1/4	2,863.60	1/4	2,503.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,198.51	1/2	3,993.17	1/2	3,764.77	1/2	3,513.27	1/2	3,216.15	1/2	2,856.09	1/2	2,495.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,194.46	3/4	3,988.66	3/4	3,759.78	3/4	3,507.78	3/4	3,208.65	3/4	2,848.59	3/4	2,488.11
6	6	6	6	6	6	6	4,190.42	6	3,984.14	6	3,754.79	6	3,502.29	6	3,201.16	6	2,841.08	6	2,480.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,186.33	1/4	3,979.59	1/4	3,749.76	1/4	3,496.76	1/4	3,193.66	1/4	2,833.57	1/4	2,473.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,182.24	1/2	3,975.04	1/2	3,744.74	1/2	3,491.24	1/2	3,186.16	1/2	2,826.06	1/2	2,465.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,178.14	3/4	3,970.50	3/4	3,739.71	3/4	3,485.71	3/4	3,178.67	3/4	2,818.56	3/4	2,458.05
7	7	7	7	7	7	7	4,405.75	7	3,965.95	7	3,734.69	7	3,480.19	7	3,171.17	7	2,811.05	7	2,450.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,399.25	1/4	3,961.37	1/4	3,729.61	1/4	3,474.64	1/4	3,163.67	1/4	2,803.54	1/4	2,443.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,392.76	1/2	3,956.78	1/2	3,724.54	1/2	3,469.10	1/2	3,156.17	1/2	2,796.03	1/2	2,435.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,386.26	3/4	3,952.20	3/4	3,719.47	3/4	3,463.56	3/4	3,148.68	3/4	2,788.53	3/4	2,427.98
8	8	8	8	8	8	8	4,379.76	8	3,947.62	8	3,714.40	8	3,458.01	8	3,141.18	8	2,781.02	8	2,420.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,374.26	1/4	3,942.99	1/4	3,709.30	1/4	3,452.47	1/4	3,133.68	1/4	2,773.51	1/4	2,412.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,368.75	1/2	3,938.37	1/2	3,704.19	1/2	3,446.93	1/2	3,126.18	1/2	2,766.00	1/2	2,405.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,363.24	3/4	3,933.74	3/4	3,699.09	3/4	3,441.38	3/4	3,118.69	3/4	2,758.49	3/4	2,397.91
9	9	9	9	9	9	9	4,357.73	9	3,929.12	9	3,693.99	9	3,435.84	9	3,111.19	9	2,750.99	9	2,390.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,352.22	1/4	3,924.43	1/4	3,688.84	1/4	3,430.30	1/4	3,103.69	1/4	2,743.48	1/4	2,382.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,346.72	1/2	3,919.74	1/2	3,683.70	1/2	3,424.75	1/2	3,096.20	1/2	2,735.97	1/2	2,375.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,341.21	3/4	3,915.05	3/4	3,678.55	3/4	3,419.21	3/4	3,088.70	3/4	2,728.46	3/4	2,367.84
10	10	10	10	10	10	10	4,335.70	10	3,910.36	10	3,673.40	10	3,413.67	10	3,081.20	10	2,720.96	10	2,360.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,330.22	1/4	3,905.63	1/4	3,668.22	1/4	3,408.14	1/4	3,073.70	1/4	2,713.45	1/4	2,352.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,324.74	1/2	3,900.90	1/2	3,663.03	1/2	3,402.60	1/2	3,066.21	1/2	2,705.94	1/2	2,345.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,319.26	3/4	3,896.16	3/4	3,657.84	3/4	3,397.07	3/4	3,058.71	3/4	2,698.43	3/4	2,337.77
11	11	11	11	11	11	11	4,313.78	11	3,891.43	11	3,652.65	11	3,391.54	11	3,051.21	11	2,690.93	11	2,330.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,308.30	1/4	3,886.67	1/4	3,647.43	1/4	3,386.00	1/4	3,043.71	1/4	2,683.42	1/4	2,322.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,302.82	1/2	3,881.90	1/2	3,642.20	1/2	3,380.47	1/2	3,036.22	1/2	2,675.91	1/2	2,315.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,297.34	3/4	3,877.13	3/4	3,636.98	3/4	3,374.94	3/4	3,028.72	3/4	2,668.40	3/4	2,307.70

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 CLOSED GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51' 3" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 27014"

## 3 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 354"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,300.19	0	1,939.37	0	1,579.50	0	1,219.00	0	858.34	0	509.96	0	150.78	0		0			
1/4	2,292.67	1/4	1,931.85	1/4	1,572.01	1/4	1,211.49	1/4	850.83	1/4	502.72	1/4	143.26	1/4		1/4		1/4	
1/2	2,285.15	1/2	1,924.33	1/2	1,564.51	1/2	1,203.98	1/2	843.31	1/2	495.49	1/2	135.74	1/2		1/2		1/2	
3/4	2,277.64	3/4	1,916.81	3/4	1,557.02	3/4	1,196.46	3/4	835.80	3/4	488.26	3/4	128.22	3/4		3/4		3/4	
1	2,270.12	1	1,909.30	1	1,549.53	1	1,188.95	1	828.29	1	481.03	1	120.71	1		1		1	
1/4	2,262.60	1/4	1,901.78	1/4	1,542.03	1/4	1,181.43	1/4	820.91	1/4	473.66	1/4	113.19	1/4		1/4		1/4	
1/2	2,255.08	1/2	1,894.26	1/2	1,534.54	1/2	1,173.92	1/2	813.53	1/2	466.29	1/2	105.67	1/2		1/2		1/2	
3/4	2,247.57	3/4	1,886.75	3/4	1,527.05	3/4	1,166.41	3/4	806.15	3/4	458.92	3/4	98.15	3/4		3/4		3/4	
2	2,240.05	2	1,879.23	2	1,519.56	2	1,158.99	2	798.77	2	451.55	2	90.63	2		2		2	
1/4	2,232.53	1/4	1,871.74	1/4	1,512.04	1/4	1,151.38	1/4	791.54	1/4	444.03	1/4	83.11	1/4		1/4		1/4	
1/2	2,225.02	1/2	1,864.24	1/2	1,504.53	1/2	1,143.87	1/2	784.30	1/2	436.51	1/2	75.59	1/2		1/2		1/2	
3/4	2,217.50	3/4	1,856.75	3/4	1,497.01	3/4	1,136.35	3/4	777.07	3/4	428.99	3/4	68.07	3/4		3/4		3/4	
3	2,209.98	3	1,849.26	3	1,489.50	3	1,128.84	3	769.83	3	421.47	3	60.55	3		3		3	
1/4	2,202.46	1/4	1,841.76	1/4	1,481.99	1/4	1,121.32	1/4	762.60	1/4	414.95	1/4	53.97	1/4		1/4		1/4	
1/2	2,194.95	1/2	1,834.27	1/2	1,474.47	1/2	1,113.81	1/2	755.37	1/2	406.44	1/2	47.39	1/2		1/2		1/2	
3/4	2,187.43	3/4	1,826.78	3/4	1,466.96	3/4	1,106.30	3/4	748.15	3/4	398.92	3/4	40.81	3/4		3/4		3/4	
4	2,179.91	4	1,819.28	4	1,459.44	4	1,098.78	4	740.92	4	391.40	4	34.23	4		4		4	
1/4	2,172.40	1/4	1,811.79	1/4	1,451.93	1/4	1,091.27	1/4	733.70	1/4	383.88	1/4	29.53	1/4		1/4		1/4	
1/2	2,164.88	1/2	1,804.30	1/2	1,444.42	1/2	1,083.75	1/2	726.48	1/2	376.36	1/2	24.83	1/2		1/2		1/2	
3/4	2,157.36	3/4	1,796.80	3/4	1,436.90	3/4	1,076.24	3/4	719.27	3/4	368.84	3/4	20.13	3/4		3/4		3/4	
5	2,149.84	5	1,789.31	5	1,429.39	5	1,068.73	5	712.05	5	361.32	5	15.43	5		5		5	
1/4	2,142.33	1/4	1,781.82	1/4	1,421.88	1/4	1,061.21	1/4	704.83	1/4	353.80	1/4		1/4		1/4		1/4	
1/2	2,134.81	1/2	1,774.32	1/2	1,414.36	1/2	1,053.70	1/2	697.62	1/2	346.28	1/2		1/2		1/2		1/2	
3/4	2,127.29	3/4	1,766.83	3/4	1,406.85	3/4	1,046.19	3/4	690.40	3/4	338.76	3/4		3/4		3/4		3/4	
6	2,119.78	6	1,759.34	6	1,399.33	6	1,038.67	6	683.18	6	331.24	6		6		6		6	
1/4	2,112.26	1/4	1,751.84	1/4	1,391.82	1/4	1,031.16	1/4	675.96	1/4	323.72	1/4		1/4		1/4		1/4	
1/2	2,104.74	1/2	1,744.35	1/2	1,384.31	1/2	1,023.64	1/2	668.75	1/2	316.20	1/2		1/2		1/2		1/2	
3/4	2,097.22	3/4	1,736.86	3/4	1,376.79	3/4	1,016.13	3/4	661.53	3/4	308.69	3/4		3/4		3/4		3/4	
7	2,089.71	7	1,729.36	7	1,369.28	7	1,008.62	7	654.31	7	301.17	7		7		7		7	
1/4	2,082.19	1/4	1,721.87	1/4	1,361.77	1/4	1,001.10	1/4	647.10	1/4	293.65	1/4		1/4		1/4		1/4	
1/2	2,074.67	1/2	1,714.38	1/2	1,354.25	1/2	993.59	1/2	639.88	1/2	286.13	1/2		1/2		1/2		1/2	
3/4	2,067.16	3/4	1,706.89	3/4	1,346.74	3/4	986.08	3/4	632.67	3/4	278.61	3/4		3/4		3/4		3/4	
8	2,059.64	8	1,699.39	8	1,339.22	8	978.56	8	625.45	8	271.09	8		8		8		8	
1/4	2,052.12	1/4	1,691.90	1/4	1,331.71	1/4	971.05	1/4	618.23	1/4	263.57	1/4		1/4		1/4		1/4	
1/2	2,044.60	1/2	1,684.41	1/2	1,324.20	1/2	963.53	1/2	611.02	1/2	256.05	1/2		1/2		1/2		1/2	
3/4	2,037.09	3/4	1,676.91	3/4	1,316.68	3/4	956.02	3/4	603.80	3/4	248.53	3/4		3/4		3/4		3/4	
9	2,029.57	9	1,669.42	9	1,309.17	9	948.51	9	596.59	9	241.01	9		9		9		9	
1/4	2,022.05	1/4	1,661.93	1/4	1,301.65	1/4	940.99	1/4	589.37	1/4	233.49	1/4		1/4		1/4		1/4	
1/2	2,014.54	1/2	1,654.43	1/2	1,294.14	1/2	933.48	1/2	582.15	1/2	225.97	1/2		1/2		1/2		1/2	
3/4	2,007.02	3/4	1,646.94	3/4	1,286.63	3/4	925.96	3/4	574.93	3/4	218.46	3/4		3/4		3/4		3/4	
10	1,999.50	10	1,639.45	10	1,279.11	10	918.45	10	567.72	10	210.94	10		10		10		10	
1/4	1,991.99	1/4	1,631.95	1/4	1,271.60	1/4	910.94	1/4	560.50	1/4	203.42	1/4		1/4		1/4		1/4	
1/2	1,984.47	1/2	1,624.46	1/2	1,264.09	1/2	903.42	1/2	553.28	1/2	195.90	1/2		1/2		1/2		1/2	
3/4	1,976.95	3/4	1,616.97	3/4	1,256.57	3/4	895.91	3/4	546.07	3/4	188.38	3/4		3/4		3/4		3/4	
11	1,969.43	11	1,609.47	11	1,249.06	11	888.40	11	538.85	11	180.86	11		11		11		11	
1/4	1,961.92	1/4	1,601.98	1/4	1,241.54	1/4	880.88	1/4	531.63	1/4	173.34	1/4		1/4		1/4		1/4	
1/2	1,954.40	1/2	1,594.49	1/2	1,234.03	1/2	873.37	1/2	524.40	1/2	165.82	1/2		1/2		1/2		1/2	
3/4	1,946.88	3/4	1,586.99	3/4	1,226.52	3/4	865.85	3/4	517.18	3/4	158.30	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/19/2014 PMA  
RECALCULATED: 06/03/2019 CL  
VERIFIED: 05/07/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2024

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



# BARGE "KIRBY 27014"

## 3 STBD

### ULLAGE TABLE

### HERMETIC

### GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 354"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,290.01	0	4,086.24	0	3,865.37	0	3,622.49	0	3,359.83	0	3,009.38	0	2,649.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,284.47	1/4	4,081.86	1/4	3,860.52	1/4	3,617.19	1/4	3,354.28	1/4	3,001.88	1/4	2,641.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,278.93	1/2	4,077.49	1/2	3,855.67	1/2	3,611.89	1/2	3,348.74	1/2	2,994.37	1/2	2,634.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,273.38	3/4	4,073.11	3/4	3,850.83	3/4	3,606.58	3/4	3,343.20	3/4	2,986.87	3/4	2,626.71
1	1	1	1	1	1	1	4,269.42	1	4,068.69	1	3,845.95	1	3,601.25	1	3,336.67	1	2,979.37	1	2,619.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,265.45	1/4	4,064.27	1/4	3,841.07	1/4	3,595.91	1/4	3,330.14	1/4	2,971.86	1/4	2,611.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,261.49	1/2	4,059.85	1/2	3,836.19	1/2	3,590.58	1/2	3,323.61	1/2	2,964.36	1/2	2,604.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,257.52	3/4	4,055.42	3/4	3,831.31	3/4	3,585.24	3/4	3,317.08	3/4	2,956.86	3/4	2,596.70
2	2	2	2	2	2	2	4,253.53	2	4,050.97	2	3,826.40	2	3,579.86	2	3,309.57	2	2,949.35	2	2,589.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,249.53	1/4	4,046.51	1/4	3,821.49	1/4	3,574.48	1/4	3,302.07	1/4	2,941.85	1/4	2,581.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,245.53	1/2	4,042.06	1/2	3,816.58	1/2	3,569.10	1/2	3,294.56	1/2	2,934.35	1/2	2,574.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,241.53	3/4	4,037.60	3/4	3,811.66	3/4	3,563.72	3/4	3,287.05	3/4	2,926.84	3/4	2,566.69
3	3	3	3	3	3	3	4,237.48	3	4,033.10	3	3,806.71	3	3,558.30	3	3,279.55	3	2,919.34	3	2,559.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,233.44	1/4	4,028.60	1/4	3,801.75	1/4	3,552.89	1/4	3,272.04	1/4	2,911.84	1/4	2,551.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,229.39	1/2	4,024.10	1/2	3,796.80	1/2	3,547.48	1/2	3,264.53	1/2	2,904.33	1/2	2,544.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,225.35	3/4	4,019.60	3/4	3,791.84	3/4	3,542.06	3/4	3,257.03	3/4	2,896.83	3/4	2,536.67
4	4	4	4	4	4	4	4,221.27	4	4,015.07	4	3,786.85	4	3,536.62	4	3,249.52	4	2,889.33	4	2,529.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,217.20	1/4	4,010.54	1/4	3,781.86	1/4	3,531.17	1/4	3,242.01	1/4	2,881.82	1/4	2,521.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,213.12	1/2	4,006.00	1/2	3,776.87	1/2	3,525.72	1/2	3,234.51	1/2	2,874.32	1/2	2,514.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,209.05	3/4	4,001.47	3/4	3,771.88	3/4	3,520.28	3/4	3,227.00	3/4	2,866.82	3/4	2,506.71
5	5	5	5	5	5	5	4,204.93	5	3,996.89	5	3,766.85	5	3,514.79	5	3,219.49	5	2,859.31	5	2,499.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,200.82	1/4	3,992.31	1/4	3,761.81	1/4	3,509.30	1/4	3,211.99	1/4	2,851.81	1/4	2,491.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,196.71	1/2	3,987.73	1/2	3,756.78	1/2	3,503.80	1/2	3,204.48	1/2	2,844.31	1/2	2,484.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,192.60	3/4	3,983.15	3/4	3,751.74	3/4	3,498.31	3/4	3,196.98	3/4	2,836.80	3/4	2,476.76
6	6	6	6	6	6	6	4,188.45	6	3,978.54	6	3,746.67	6	3,492.79	6	3,189.47	6	2,829.30	6	2,469.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,184.30	1/4	3,973.93	1/4	3,741.61	1/4	3,487.26	1/4	3,181.96	1/4	2,821.80	1/4	2,461.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,180.14	1/2	3,969.32	1/2	3,736.54	1/2	3,481.74	1/2	3,174.46	1/2	2,814.29	1/2	2,454.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,410.35	3/4	4,175.99	3/4	3,964.71	3/4	3,731.47	3/4	3,476.21	3/4	3,166.95	3/4	2,806.79
7	7	7	7	7	7	7	4,403.82	7	3,960.06	7	3,726.36	7	3,470.67	7	3,159.45	7	2,799.29	7	2,439.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,397.29	1/4	4,167.61	1/4	3,955.42	1/4	3,721.24	1/4	3,465.13	1/4	3,151.94	1/4	2,791.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,390.76	1/2	4,163.42	1/2	3,950.77	1/2	3,716.13	1/2	3,459.59	1/2	3,144.44	1/2	2,784.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,384.23	3/4	4,159.24	3/4	3,946.13	3/4	3,711.01	3/4	3,454.05	3/4	3,136.94	3/4	2,776.78
8	8	8	8	8	8	8	4,378.69	8	4,155.00	8	3,941.44	8	3,705.87	8	3,448.50	8	3,129.43	8	2,769.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,373.14	1/4	4,150.77	1/4	3,936.75	1/4	3,700.72	1/4	3,442.96	1/4	3,121.93	1/4	2,761.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,367.60	1/2	4,146.54	1/2	3,932.06	1/2	3,695.58	1/2	3,437.42	1/2	3,114.43	1/2	2,754.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,362.06	3/4	4,142.31	3/4	3,927.38	3/4	3,690.43	3/4	3,431.88	3/4	3,106.92	3/4	2,746.77
9	9	9	9	9	9	9	4,356.52	9	4,138.04	9	3,922.65	9	3,685.25	9	3,426.33	9	3,099.42	9	2,739.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,350.98	1/4	4,133.78	1/4	3,917.93	1/4	3,680.07	1/4	3,420.79	1/4	3,091.92	1/4	2,731.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,345.43	1/2	4,129.51	1/2	3,913.21	1/2	3,674.89	1/2	3,415.25	1/2	3,084.41	1/2	2,724.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,339.89	3/4	4,125.24	3/4	3,908.48	3/4	3,669.71	3/4	3,409.71	3/4	3,076.91	3/4	2,716.75
10	10	10	10	10	10	10	4,334.35	10	4,120.93	10	3,903.72	10	3,664.49	10	3,404.16	10	3,069.41	10	2,709.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,328.81	1/4	4,116.62	1/4	3,898.95	1/4	3,659.27	1/4	3,398.62	1/4	3,061.90	1/4	2,701.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,323.26	1/2	4,112.31	1/2	3,894.18	1/2	3,654.04	1/2	3,393.08	1/2	3,054.40	1/2	2,694.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,317.72	3/4	4,107.99	3/4	3,889.42	3/4	3,648.82	3/4	3,387.54	3/4	3,046.90	3/4	2,686.74
11	11	11	11	11	11	11	4,312.18	11	4,103.65	11	3,884.62	11	3,643.56	11	3,382.00	11	3,039.39	11	2,679.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,306.64	1/4	4,099.31	1/4	3,879.82	1/4	3,638.31	1/4	3,376.45	1/4	3,031.89	1/4	2,671.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,301.09	1/2	4,094.96	1/2	3,875.01	1/2	3,633.05	1/2	3,370.91	1/2	3,024.39	1/2	2,664.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,295.55	3/4	4,090.62	3/4	3,870.21	3/4	3,627.79	3/4	3,365.37	3/4	3,016.88	3/4	2,656.73

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 CLOSED GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51' 3" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 27014"

## 3 STBD ULLAGE TABLE HERMETIC

GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 354"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,289.50	0	1,929.19	0	1,570.54	0	1,211.32	0	851.02	0	502.12	0	143.09	0		0			
1/4	2,281.99	1/4	1,921.69	1/4	1,563.09	1/4	1,203.82	1/4	843.51	1/4	494.86	1/4	135.58	1/4		1/4			
1/2	2,274.49	1/2	1,914.18	1/2	1,555.64	1/2	1,196.31	1/2	836.01	1/2	487.61	1/2	128.07	1/2		1/2			
3/4	2,266.98	3/4	1,906.67	3/4	1,548.19	3/4	1,188.80	3/4	828.50	3/4	480.36	3/4	120.57	3/4		3/4			
1	2,259.47	1	1,899.17	1	1,540.74	1	1,181.30	1	821.12	1	472.98	1	113.06	1		1			
1/4	2,251.97	1/4	1,891.66	1/4	1,533.29	1/4	1,173.79	1/4	813.74	1/4	465.60	1/4	105.56	1/4		1/4			
1/2	2,244.46	1/2	1,884.15	1/2	1,525.84	1/2	1,166.28	1/2	806.36	1/2	458.22	1/2	98.05	1/2		1/2			
3/4	2,236.95	3/4	1,876.65	3/4	1,518.40	3/4	1,158.78	3/4	798.98	3/4	450.84	3/4	90.54	3/4		3/4			
2	2,229.45	2	1,869.14	2	1,510.95	2	1,151.27	2	791.73	2	443.33	2	83.04	2		2			
1/4	2,221.94	1/4	1,861.63	1/4	1,503.50	1/4	1,143.76	1/4	784.49	1/4	435.82	1/4	75.53	1/4		1/4			
1/2	2,214.44	1/2	1,854.13	1/2	1,496.05	1/2	1,136.26	1/2	777.24	1/2	428.32	1/2	68.03	1/2		1/2			
3/4	2,206.93	3/4	1,846.62	3/4	1,488.60	3/4	1,128.75	3/4	769.99	3/4	420.81	3/4	60.52	3/4		3/4			
3	2,199.42	3	1,839.12	3	1,481.15	3	1,121.25	3	762.75	3	413.31	3	53.95	3		3			
1/4	2,191.92	1/4	1,831.61	1/4	1,473.70	1/4	1,113.74	1/4	755.52	1/4	405.80	1/4	47.38	1/4		1/4			
1/2	2,184.41	1/2	1,824.10	1/2	1,466.25	1/2	1,106.23	1/2	748.28	1/2	398.29	1/2	40.82	1/2		1/2			
3/4	2,176.90	3/4	1,816.60	3/4	1,458.80	3/4	1,098.73	3/4	741.04	3/4	390.79	3/4	34.25	3/4		3/4			
4	2,169.40	4	1,809.09	4	1,451.35	4	1,091.22	4	733.80	4	383.28	4	29.55	4		4			
1/4	2,161.89	1/4	1,801.58	1/4	1,443.90	1/4	1,083.71	1/4	726.56	1/4	375.78	1/4	24.85	1/4		1/4			
1/2	2,154.38	1/2	1,794.08	1/2	1,436.45	1/2	1,076.21	1/2	719.32	1/2	368.27	1/2	20.15	1/2		1/2			
3/4	2,146.88	3/4	1,786.57	3/4	1,429.00	3/4	1,068.70	3/4	712.08	3/4	360.76	3/4	15.45	3/4		3/4			
5	2,139.37	5	1,779.12	5	1,421.50	5	1,061.20	5	704.84	5	353.26	5		5		5			
1/4	2,131.86	1/4	1,771.67	1/4	1,413.99	1/4	1,053.69	1/4	697.60	1/4	345.75	1/4		1/4		1/4			
1/2	2,124.36	1/2	1,764.22	1/2	1,406.49	1/2	1,046.18	1/2	690.37	1/2	338.24	1/2		1/2		1/2			
3/4	2,116.85	3/4	1,756.77	3/4	1,398.98	3/4	1,038.68	3/4	683.13	3/4	330.74	3/4		3/4		3/4			
6	2,109.35	6	1,749.32	6	1,391.47	6	1,031.17	6	675.89	6	323.23	6		6		6			
1/4	2,101.84	1/4	1,741.87	1/4	1,383.97	1/4	1,023.66	1/4	668.65	1/4	315.73	1/4		1/4		1/4			
1/2	2,094.33	1/2	1,734.43	1/2	1,376.46	1/2	1,016.16	1/2	661.41	1/2	308.22	1/2		1/2		1/2			
3/4	2,086.83	3/4	1,726.98	3/4	1,368.95	3/4	1,008.65	3/4	654.17	3/4	300.71	3/4		3/4		3/4			
7	2,079.32	7	1,719.53	7	1,361.45	7	1,001.14	7	646.93	7	293.21	7		7		7			
1/4	2,071.81	1/4	1,712.08	1/4	1,353.94	1/4	993.64	1/4	639.70	1/4	285.70	1/4		1/4		1/4			
1/2	2,064.31	1/2	1,704.63	1/2	1,346.43	1/2	986.13	1/2	632.46	1/2	278.20	1/2		1/2		1/2			
3/4	2,056.80	3/4	1,697.18	3/4	1,338.93	3/4	978.63	3/4	625.22	3/4	270.69	3/4		3/4		3/4			
8	2,049.29	8	1,689.73	8	1,331.42	8	971.12	8	617.98	8	263.18	8		8		8			
1/4	2,041.79	1/4	1,682.28	1/4	1,323.92	1/4	963.61	1/4	610.74	1/4	255.68	1/4		1/4		1/4			
1/2	2,034.28	1/2	1,674.83	1/2	1,316.41	1/2	956.11	1/2	603.51	1/2	248.17	1/2		1/2		1/2			
3/4	2,026.78	3/4	1,667.38	3/4	1,308.90	3/4	948.60	3/4	596.27	3/4	240.67	3/4		3/4		3/4			
9	2,019.27	9	1,659.93	9	1,301.40	9	941.09	9	589.03	9	233.16	9		9		9			
1/4	2,011.76	1/4	1,652.48	1/4	1,293.89	1/4	933.59	1/4	581.79	1/4	225.65	1/4		1/4		1/4			
1/2	2,004.26	1/2	1,645.03	1/2	1,286.38	1/2	926.08	1/2	574.55	1/2	218.15	1/2		1/2		1/2			
3/4	1,996.75	3/4	1,637.58	3/4	1,278.88	3/4	918.58	3/4	567.31	3/4	210.64	3/4		3/4		3/4			
10	1,989.24	10	1,630.14	10	1,271.37	10	911.07	10	560.07	10	203.14	10		10		10			
1/4	1,981.74	1/4	1,622.69	1/4	1,263.87	1/4	903.56	1/4	552.83	1/4	195.63	1/4		1/4		1/4			
1/2	1,974.23	1/2	1,615.24	1/2	1,256.36	1/2	896.06	1/2	545.59	1/2	188.12	1/2		1/2		1/2			
3/4	1,966.72	3/4	1,607.79	3/4	1,248.85	3/4	888.55	3/4	538.36	3/4	180.62	3/4		3/4		3/4			
11	1,959.22	11	1,600.34	11	1,241.35	11	881.04	11	531.11	11	173.11	11		11		11			
1/4	1,951.71	1/4	1,592.89	1/4	1,233.84	1/4	873.54	1/4	523.86	1/4	165.60	1/4		1/4		1/4			
1/2	1,944.20	1/2	1,585.44	1/2	1,226.33	1/2	866.03	1/2	516.62	1/2	158.10	1/2		1/2		1/2			
3/4	1,936.70	3/4	1,577.99	3/4	1,218.83	3/4	858.53	3/4	509.37	3/4	150.59	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/19/2014 PMA  
RECALCULATED: 06/03/2019 CL  
VERIFIED: 05/07/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2024

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



# BARGE "KIRBY 27014"

## PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 354"

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	1,049	0	2,069	0	3,032	0	3,939	0		0		0		0		0	
1/4	22	1/4	1,071	1/4	2,089	1/4	3,052	1/4	3,958	1/4		1/4		1/4		1/4		1/4	
1/2	44	1/2	1,093	1/2	2,110	1/2	3,071	1/2	3,976	1/2		1/2		1/2		1/2		1/2	
3/4	66	3/4	1,115	3/4	2,131	3/4	3,090	3/4	3,994	3/4		3/4		3/4		3/4		3/4	
1	87	1	1,136	1	2,151	1	3,110	1	4,013	1		1		1		1		1	
1/4	109	1/4	1,158	1/4	2,172	1/4	3,129	1/4	4,031	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	1,180	1/2	2,192	1/2	3,149	1/2	4,049	1/2		1/2		1/2		1/2		1/2	
3/4	153	3/4	1,201	3/4	2,213	3/4	3,168	3/4	4,067	3/4		3/4		3/4		3/4		3/4	
2	175	2	1,223	2	2,233	2	3,187	2	4,085	2		2		2		2		2	
1/4	197	1/4	1,245	1/4	2,254	1/4	3,207	1/4	4,103	1/4		1/4		1/4		1/4		1/4	
1/2	219	1/2	1,266	1/2	2,274	1/2	3,226	1/2	4,121	1/2		1/2		1/2		1/2		1/2	
3/4	240	3/4	1,288	3/4	2,294	3/4	3,245	3/4	4,139	3/4		3/4		3/4		3/4		3/4	
3	262	3	1,309	3	2,315	3	3,264	3	4,157	3		3		3		3		3	
1/4	284	1/4	1,331	1/4	2,335	1/4	3,283	1/4	4,175	1/4		1/4		1/4		1/4		1/4	
1/2	306	1/2	1,352	1/2	2,355	1/2	3,303	1/2	4,193	1/2		1/2		1/2		1/2		1/2	
3/4	328	3/4	1,374	3/4	2,376	3/4	3,322	3/4	4,211	3/4		3/4		3/4		3/4		3/4	
4	350	4	1,395	4	2,396	4	3,341	4	4,229	4		4		4		4		4	
1/4	372	1/4	1,417	1/4	2,416	1/4	3,360	1/4	4,247	1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	1,438	1/2	2,437	1/2	3,379	1/2	4,265	1/2		1/2		1/2		1/2		1/2	
3/4	415	3/4	1,459	3/4	2,457	3/4	3,398	3/4	4,283	3/4		3/4		3/4		3/4		3/4	
5	437	5	1,481	5	2,477	5	3,417	5	4,301	5		5		5		5		5	
1/4	459	1/4	1,502	1/4	2,497	1/4	3,436	1/4	4,319	1/4		1/4		1/4		1/4		1/4	
1/2	481	1/2	1,523	1/2	2,517	1/2	3,455	1/2	4,337	1/2		1/2		1/2		1/2		1/2	
3/4	503	3/4	1,545	3/4	2,537	3/4	3,474	3/4		3/4		3/4		3/4		3/4		3/4	
6	525	6	1,566	6	2,557	6	3,493	6		6		6		6		6		6	
1/4	547	1/4	1,587	1/4	2,577	1/4	3,512	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	568	1/2	1,608	1/2	2,597	1/2	3,530	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	590	3/4	1,630	3/4	2,618	3/4	3,549	3/4		3/4		3/4		3/4		3/4		3/4	
7	612	7	1,651	7	2,638	7	3,568	7		7		7		7		7		7	
1/4	634	1/4	1,672	1/4	2,657	1/4	3,587	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	656	1/2	1,693	1/2	2,677	1/2	3,606	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	678	3/4	1,714	3/4	2,697	3/4	3,624	3/4		3/4		3/4		3/4		3/4		3/4	
8	700	8	1,735	8	2,717	8	3,643	8		8		8		8		8		8	
1/4	721	1/4	1,756	1/4	2,737	1/4	3,662	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	743	1/2	1,777	1/2	2,757	1/2	3,681	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	765	3/4	1,798	3/4	2,777	3/4	3,699	3/4		3/4		3/4		3/4		3/4		3/4	
9	787	9	1,819	9	2,797	9	3,718	9		9		9		9		9		9	
1/4	809	1/4	1,840	1/4	2,816	1/4	3,736	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	831	1/2	1,861	1/2	2,836	1/2	3,755	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	853	3/4	1,882	3/4	2,856	3/4	3,774	3/4		3/4		3/4		3/4		3/4		3/4	
10	874	10	1,903	10	2,875	10	3,792	10		10		10		10		10		10	
1/4	896	1/4	1,923	1/4	2,895	1/4	3,811	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	918	1/2	1,944	1/2	2,915	1/2	3,829	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	940	3/4	1,965	3/4	2,934	3/4	3,848	3/4		3/4		3/4		3/4		3/4		3/4	
11	962	11	1,986	11	2,954	11	3,866	11		11		11		11		11		11	
1/4	984	1/4	2,007	1/4	2,974	1/4	3,884	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,006	1/2	2,027	1/2	2,993	1/2	3,903	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,027	3/4	2,048	3/4	3,013	3/4	3,921	3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.

STRAPPED: 03/15/2014 PMA  
RECALCULATED: 06/03/2019 CL  
VERIFIED: 05/07/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "KIRBY 27014"

## STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 354"

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	1,049	0	2,069	0	3,032	0	3,939	0		0		0		0		0	
1/4	22	1/4	1,071	1/4	2,089	1/4	3,052	1/4	3,958	1/4		1/4		1/4		1/4		1/4	
1/2	44	1/2	1,093	1/2	2,110	1/2	3,071	1/2	3,976	1/2		1/2		1/2		1/2		1/2	
3/4	66	3/4	1,115	3/4	2,131	3/4	3,090	3/4	3,994	3/4		3/4		3/4		3/4		3/4	
1	87	1	1,136	1	2,151	1	3,110	1	4,013	1	1	1	1	1	1	1	1	1	1
1/4	109	1/4	1,158	1/4	2,172	1/4	3,129	1/4	4,031	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	1,180	1/2	2,192	1/2	3,149	1/2	4,049	1/2		1/2		1/2		1/2		1/2	
3/4	153	3/4	1,201	3/4	2,213	3/4	3,168	3/4	4,067	3/4		3/4		3/4		3/4		3/4	
2	175	2	1,223	2	2,233	2	3,187	2	4,085	2	2	2	2	2	2	2	2	2	2
1/4	197	1/4	1,245	1/4	2,254	1/4	3,207	1/4	4,103	1/4		1/4		1/4		1/4		1/4	
1/2	219	1/2	1,266	1/2	2,274	1/2	3,226	1/2	4,121	1/2		1/2		1/2		1/2		1/2	
3/4	240	3/4	1,288	3/4	2,294	3/4	3,245	3/4	4,139	3/4		3/4		3/4		3/4		3/4	
3	262	3	1,309	3	2,315	3	3,264	3	4,157	3	3	3	3	3	3	3	3	3	3
1/4	284	1/4	1,331	1/4	2,335	1/4	3,283	1/4	4,175	1/4		1/4		1/4		1/4		1/4	
1/2	306	1/2	1,352	1/2	2,355	1/2	3,303	1/2	4,193	1/2		1/2		1/2		1/2		1/2	
3/4	328	3/4	1,374	3/4	2,376	3/4	3,322	3/4	4,211	3/4		3/4		3/4		3/4		3/4	
4	350	4	1,395	4	2,396	4	3,341	4	4,229	4	4	4	4	4	4	4	4	4	4
1/4	372	1/4	1,417	1/4	2,416	1/4	3,360	1/4	4,247	1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	1,438	1/2	2,437	1/2	3,379	1/2	4,265	1/2		1/2		1/2		1/2		1/2	
3/4	415	3/4	1,459	3/4	2,457	3/4	3,398	3/4	4,283	3/4		3/4		3/4		3/4		3/4	
5	437	5	1,481	5	2,477	5	3,417	5	4,301	5	5	5	5	5	5	5	5	5	5
1/4	459	1/4	1,502	1/4	2,497	1/4	3,436	1/4	4,319	1/4		1/4		1/4		1/4		1/4	
1/2	481	1/2	1,523	1/2	2,517	1/2	3,455	1/2	4,337	1/2		1/2		1/2		1/2		1/2	
3/4	503	3/4	1,545	3/4	2,537	3/4	3,474	3/4		3/4		3/4		3/4		3/4		3/4	
6	525	6	1,566	6	2,557	6	3,493	6		6	6	6	6	6	6	6	6	6	6
1/4	547	1/4	1,587	1/4	2,577	1/4	3,512	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	568	1/2	1,608	1/2	2,597	1/2	3,530	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	590	3/4	1,630	3/4	2,618	3/4	3,549	3/4		3/4		3/4		3/4		3/4		3/4	
7	612	7	1,651	7	2,638	7	3,568	7	7	7	7	7	7	7	7	7	7	7	7
1/4	634	1/4	1,672	1/4	2,657	1/4	3,587	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	656	1/2	1,693	1/2	2,677	1/2	3,606	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	678	3/4	1,714	3/4	2,697	3/4	3,624	3/4		3/4		3/4		3/4		3/4		3/4	
8	700	8	1,735	8	2,717	8	3,643	8	8	8	8	8	8	8	8	8	8	8	8
1/4	721	1/4	1,756	1/4	2,737	1/4	3,662	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	743	1/2	1,777	1/2	2,757	1/2	3,681	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	765	3/4	1,798	3/4	2,777	3/4	3,699	3/4		3/4		3/4		3/4		3/4		3/4	
9	787	9	1,819	9	2,797	9	3,718	9	9	9	9	9	9	9	9	9	9	9	9
1/4	809	1/4	1,840	1/4	2,816	1/4	3,736	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	831	1/2	1,861	1/2	2,836	1/2	3,755	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	853	3/4	1,882	3/4	2,856	3/4	3,774	3/4		3/4		3/4		3/4		3/4		3/4	
10	874	10	1,903	10	2,875	10	3,792	10	10	10	10	10	10	10	10	10	10	10	10
1/4	896	1/4	1,923	1/4	2,895	1/4	3,811	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	918	1/2	1,944	1/2	2,915	1/2	3,829	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	940	3/4	1,965	3/4	2,934	3/4	3,848	3/4		3/4		3/4		3/4		3/4		3/4	
11	962	11	1,986	11	2,954	11	3,866	11	11	11	11	11	11	11	11	11	11	11	11
1/4	984	1/4	2,007	1/4	2,974	1/4	3,884	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,006	1/2	2,027	1/2	2,993	1/2	3,903	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,027	3/4	2,048	3/4	3,013	3/4	3,921	3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.

STRAPPED: 03/15/2014 PMA  
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Pearland, Texas 77588  
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# BARGE "KIRBY 27014"

## FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

ERLY "CTCO 354"

GAUGE HEIGHT 4'-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	191	0	383	0	574	0	765	0		0		0		0		0	
1/4	4	1/4	195	1/4	386	1/4	578	1/4	769	1/4		1/4		1/4		1/4		1/4	
1/2	8	1/2	199	1/2	390	1/2	582	1/2	773	1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	203	3/4	394	3/4	586	3/4	777	3/4		3/4		3/4		3/4		3/4	
1	16	1	207	1	398	1	590	1	781	1		1		1		1		1	
1/4	20	1/4	211	1/4	402	1/4	594	1/4	785	1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	215	1/2	406	1/2	598	1/2	789	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	219	3/4	410	3/4	602	3/4	793	3/4		3/4		3/4		3/4		3/4	
2	32	2	223	2	414	2	606	2	797	2		2		2		2		2	
1/4	36	1/4	227	1/4	418	1/4	610	1/4	801	1/4		1/4		1/4		1/4		1/4	
1/2	40	1/2	231	1/2	422	1/2	614	1/2	805	1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	235	3/4	426	3/4	618	3/4	809	3/4		3/4		3/4		3/4		3/4	
3	48	3	239	3	430	3	622	3	813	3		3		3		3		3	
1/4	52	1/4	243	1/4	434	1/4	626	1/4	817	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	247	1/2	438	1/2	630	1/2	821	1/2		1/2		1/2		1/2		1/2	
3/4	60	3/4	251	3/4	442	3/4	634	3/4	825	3/4		3/4		3/4		3/4		3/4	
4	64	4	255	4	446	4	638	4	829	4		4		4		4		4	
1/4	68	1/4	259	1/4	450	1/4	641	1/4	833	1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	263	1/2	454	1/2	645	1/2	837	1/2		1/2		1/2		1/2		1/2	
3/4	76	3/4	267	3/4	458	3/4	649	3/4	841	3/4		3/4		3/4		3/4		3/4	
5	80	5	271	5	462	5	653	5	845	5		5		5		5		5	
1/4	84	1/4	275	1/4	466	1/4	657	1/4	849	1/4		1/4		1/4		1/4		1/4	
1/2	88	1/2	279	1/2	470	1/2	661	1/2	853	1/2		1/2		1/2		1/2		1/2	
3/4	92	3/4	283	3/4	474	3/4	665	3/4	857	3/4		3/4		3/4		3/4		3/4	
6	96	6	287	6	478	6	669	6		6		6		6		6		6	
1/4	100	1/4	291	1/4	482	1/4	673	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	104	1/2	295	1/2	486	1/2	677	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108	3/4	299	3/4	490	3/4	681	3/4		3/4		3/4		3/4		3/4		3/4	
7	112	7	303	7	494	7	685	7		7		7		7		7		7	
1/4	116	1/4	307	1/4	498	1/4	689	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120	1/2	311	1/2	502	1/2	693	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	124	3/4	315	3/4	506	3/4	697	3/4		3/4		3/4		3/4		3/4		3/4	
8	128	8	319	8	510	8	701	8		8		8		8		8		8	
1/4	131	1/4	323	1/4	514	1/4	705	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	135	1/2	327	1/2	518	1/2	709	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	139	3/4	331	3/4	522	3/4	713	3/4		3/4		3/4		3/4		3/4		3/4	
9	143	9	335	9	526	9	717	9		9		9		9		9		9	
1/4	147	1/4	339	1/4	530	1/4	721	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151	1/2	343	1/2	534	1/2	725	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155	3/4	347	3/4	538	3/4	729	3/4		3/4		3/4		3/4		3/4		3/4	
10	159	10	351	10	542	10	733	10		10		10		10		10		10	
1/4	163	1/4	355	1/4	546	1/4	737	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	167	1/2	359	1/2	550	1/2	741	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	171	3/4	363	3/4	554	3/4	745	3/4		3/4		3/4		3/4		3/4		3/4	
11	175	11	367	11	558	11	749	11		11		11		11		11		11	
1/4	179	1/4	371	1/4	562	1/4	753	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	183	1/2	375	1/2	566	1/2	757	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	187	3/4	379	3/4	570	3/4	761	3/4		3/4		3/4		3/4		3/4		3/4	

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CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER PIPE.

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