



# BARGE "KIRBY 27016"

ULLAGE TRIM TABLE  
FORMERLY "CTCO 355"

	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	00-4/8	- 00-4/8	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"

June 4, 2019

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

<http://www.pmacorp.net>



# BARGE "KIRBY 27016"

## 1 PORT ULLAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355"

GAUGE HEIGHT 16'-04 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0		0		0		0		0		0	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		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.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 44' 06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "KIRBY 27016"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355"

GAUGE HEIGHT 16'-04 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	1,962.21	0	1,630.93	0	1,299.66	0	968.90	0	653.99	0	363.77	0	95.23	0		0		0	
1/4	1,955.31	1/4	1,624.03	1/4	1,292.75	1/4	962.10	1/4	647.67	1/4	357.96	1/4	89.87	1/4	1/4		1/4		1/4
1/2	1,948.41	1/2	1,617.13	1/2	1,285.85	1/2	955.30	1/2	641.35	1/2	352.15	1/2	84.52	1/2	1/2		1/2		1/2
3/4	1,941.50	3/4	1,610.23	3/4	1,278.95	3/4	948.54	3/4	635.07	3/4	346.37	3/4	79.20	3/4	3/4		3/4		3/4
1	1,934.60	1	1,603.33	1	1,272.05	1	941.78	1	628.79	1	340.60	1	73.88	1	1		1		1
1/4	1,927.70	1/4	1,596.42	1/4	1,265.15	1/4	935.01	1/4	622.51	1/4	334.82	1/4	68.56	1/4	1/4		1/4		1/4
1/2	1,920.80	1/2	1,589.52	1/2	1,258.25	1/2	928.25	1/2	616.23	1/2	329.05	1/2	63.25	1/2	1/2		1/2		1/2
3/4	1,913.90	3/4	1,582.62	3/4	1,251.34	3/4	921.53	3/4	610.02	3/4	323.29	3/4	57.97	3/4	3/4		3/4		3/4
2	1,907.00	2	1,575.72	2	1,244.44	2	914.81	2	603.82	2	317.53	2	52.69	2	2		2		2
1/4	1,900.09	1/4	1,568.82	1/4	1,237.54	1/4	908.09	1/4	597.61	1/4	311.77	1/4	47.42	1/4	1/4		1/4		1/4
1/2	1,893.19	1/2	1,561.92	1/2	1,230.64	1/2	901.37	1/2	591.40	1/2	306.02	1/2	42.14	1/2	1/2		1/2		1/2
3/4	1,886.29	3/4	1,555.01	3/4	1,223.74	3/4	894.69	3/4	585.24	3/4	300.30	3/4	37.77	3/4	3/4		3/4		3/4
3	1,879.39	3	1,548.11	3	1,216.84	3	888.01	3	579.08	3	294.58	3	33.39	3	3		3		3
1/4	1,872.49	1/4	1,541.21	1/4	1,209.93	1/4	881.33	1/4	572.92	1/4	288.86	1/4	29.02	1/4	1/4		1/4		1/4
1/2	1,865.59	1/2	1,534.31	1/2	1,203.03	1/2	874.65	1/2	566.76	1/2	283.14	1/2	24.64	1/2	1/2		1/2		1/2
3/4	1,858.69	3/4	1,527.41	3/4	1,196.13	3/4	868.00	3/4	560.64	3/4	277.47	3/4	22.03	3/4	3/4		3/4		3/4
4	1,851.78	4	1,520.51	4	1,189.23	4	861.36	4	554.52	4	271.79	4	19.42	4	4		4		4
1/4	1,844.88	1/4	1,513.61	1/4	1,182.33	1/4	854.72	1/4	548.40	1/4	266.11	1/4	16.82	1/4	1/4		1/4		1/4
1/2	1,837.98	1/2	1,506.70	1/2	1,175.43	1/2	848.08	1/2	542.28	1/2	260.43	1/2	14.21	1/2	1/2		1/2		1/2
3/4	1,831.08	3/4	1,499.80	3/4	1,168.53	3/4	841.48	3/4	536.20	3/4	254.79	3/4		3/4	3/4		3/4		3/4
5	1,824.18	5	1,492.90	5	1,161.62	5	834.88	5	530.13	5	249.16	5		5	5		5		5
1/4	1,817.28	1/4	1,486.00	1/4	1,154.72	1/4	828.28	1/4	524.05	1/4	243.52	1/4		1/4	1/4		1/4		1/4
1/2	1,810.37	1/2	1,479.10	1/2	1,147.82	1/2	821.68	1/2	517.97	1/2	237.88	1/2		1/2	1/2		1/2		1/2
3/4	1,803.47	3/4	1,472.20	3/4	1,140.92	3/4	815.12	3/4	511.93	3/4	232.28	3/4		3/4	3/4		3/4		3/4
6	1,796.57	6	1,465.29	6	1,134.02	6	808.56	6	505.89	6	226.69	6		6	6		6		6
1/4	1,789.67	1/4	1,458.39	1/4	1,127.12	1/4	802.00	1/4	499.85	1/4	221.09	1/4		1/4	1/4		1/4		1/4
1/2	1,782.77	1/2	1,451.49	1/2	1,120.21	1/2	795.44	1/2	493.81	1/2	215.49	1/2		1/2	1/2		1/2		1/2
3/4	1,775.87	3/4	1,444.59	3/4	1,113.31	3/4	788.92	3/4	487.81	3/4	209.93	3/4		3/4	3/4		3/4		3/4
7	1,768.96	7	1,437.69	7	1,106.41	7	782.40	7	481.81	7	204.37	7		7	7		7		7
1/4	1,762.06	1/4	1,430.79	1/4	1,099.51	1/4	775.87	1/4	475.81	1/4	198.82	1/4		1/4	1/4		1/4		1/4
1/2	1,755.16	1/2	1,423.88	1/2	1,092.61	1/2	769.35	1/2	469.81	1/2	193.26	1/2		1/2	1/2		1/2		1/2
3/4	1,748.26	3/4	1,416.98	3/4	1,085.71	3/4	762.87	3/4	463.85	3/4	187.74	3/4		3/4	3/4		3/4		3/4
8	1,741.36	8	1,410.08	8	1,078.80	8	756.39	8	457.90	8	182.22	8		8	8		8		8
1/4	1,734.46	1/4	1,403.18	1/4	1,071.90	1/4	749.91	1/4	451.94	1/4	176.71	1/4		1/4	1/4		1/4		1/4
1/2	1,727.55	1/2	1,396.28	1/2	1,065.00	1/2	743.43	1/2	445.98	1/2	171.19	1/2		1/2	1/2		1/2		1/2
3/4	1,720.65	3/4	1,389.38	3/4	1,058.10	3/4	736.99	3/4	440.06	3/4	165.71	3/4		3/4	3/4		3/4		3/4
9	1,713.75	9	1,382.47	9	1,051.20	9	730.55	9	434.14	9	160.24	9		9	9		9		9
1/4	1,706.85	1/4	1,375.57	1/4	1,044.30	1/4	724.11	1/4	428.22	1/4	154.76	1/4		1/4	1/4		1/4		1/4
1/2	1,699.95	1/2	1,368.67	1/2	1,037.39	1/2	717.67	1/2	422.30	1/2	149.28	1/2		1/2	1/2		1/2		1/2
3/4	1,693.05	3/4	1,361.77	3/4	1,030.51	3/4	711.27	3/4	416.42	3/4	143.84	3/4		3/4	3/4		3/4		3/4
10	1,686.15	10	1,354.87	10	1,023.63	10	704.87	10	410.54	10	138.41	10		10	10		10		10
1/4	1,679.24	1/4	1,347.97	1/4	1,016.75	1/4	698.47	1/4	404.67	1/4	132.97	1/4		1/4	1/4		1/4		1/4
1/2	1,672.34	1/2	1,341.07	1/2	1,009.87	1/2	692.07	1/2	398.79	1/2	127.53	1/2		1/2	1/2		1/2		1/2
3/4	1,665.44	3/4	1,334.16	3/4	1,003.03	3/4	685.71	3/4	392.94	3/4	122.13	3/4		3/4	3/4		3/4		3/4
11	1,658.54	11	1,327.26	11	996.19	11	679.35	11	387.09	11	116.74	11		11	11		11		11
1/4	1,651.64	1/4	1,320.36	1/4	989.34	1/4	672.99	1/4	381.25	1/4	111.34	1/4		1/4	1/4		1/4		1/4
1/2	1,644.74	1/2	1,313.46	1/2	982.50	1/2	666.63	1/2	375.40	1/2	105.94	1/2		1/2	1/2		1/2		1/2
3/4	1,637.83	3/4	1,306.56	3/4	975.70	3/4	660.31	3/4	369.59	3/4	100.59	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/11/2014 PMA  
RECALCULATED: 06/03/2019 SW  
NAME CHANGE: 06/04/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "KIRBY 27016"

## 1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355"

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	1,970.10	0	1,638.83	0	1,307.56	0	976.71	0	661.33	0	369.67	0	100.55	0		0		0	
1/4	1,963.20	1/4	1,631.93	1/4	1,300.66	1/4	969.91	1/4	655.01	1/4	363.83	1/4	95.20	1/4	1/4		1/4		1/4
1/2	1,956.30	1/2	1,625.03	1/2	1,293.75	1/2	963.10	1/2	648.69	1/2	357.99	1/2	89.84	1/2	1/2	1/2		1/2	1/2
3/4	1,949.40	3/4	1,618.13	3/4	1,286.85	3/4	956.30	3/4	642.37	3/4	352.15	3/4	84.49	3/4	3/4	3/4		3/4	3/4
1	1,942.50	1	1,611.22	1	1,279.95	1	949.54	1	636.09	1	346.36	1	79.17	1	1	1		1	1
1/4	1,935.59	1/4	1,604.32	1/4	1,273.05	1/4	942.78	1/4	629.81	1/4	340.56	1/4	73.86	1/4	1/4	1/4		1/4	1/4
1/2	1,928.69	1/2	1,597.42	1/2	1,266.15	1/2	936.02	1/2	623.53	1/2	334.76	1/2	68.54	1/2	1/2	1/2		1/2	1/2
3/4	1,921.79	3/4	1,590.52	3/4	1,259.25	3/4	929.26	3/4	617.26	3/4	328.97	3/4	63.23	3/4	3/4	3/4		3/4	3/4
2	1,914.89	2	1,583.62	2	1,252.35	2	922.54	2	611.02	2	323.21	2	57.95	2	2	2		2	2
1/4	1,907.99	1/4	1,576.72	1/4	1,245.44	1/4	915.82	1/4	604.79	1/4	317.45	1/4	52.68	1/4	1/4	1/4		1/4	1/4
1/2	1,901.09	1/2	1,569.81	1/2	1,238.54	1/2	909.10	1/2	598.56	1/2	311.70	1/2	47.40	1/2	1/2	1/2		1/2	1/2
3/4	1,894.19	3/4	1,562.91	3/4	1,231.64	3/4	902.38	3/4	592.33	3/4	305.94	3/4	42.13	3/4	3/4	3/4		3/4	3/4
3	1,887.28	3	1,556.01	3	1,224.74	3	895.69	3	586.15	3	300.22	3	37.75	3	3	3		3	3
1/4	1,880.38	1/4	1,549.11	1/4	1,217.84	1/4	889.01	1/4	579.97	1/4	294.50	1/4	33.38	1/4	1/4	1/4		1/4	1/4
1/2	1,873.48	1/2	1,542.21	1/2	1,210.94	1/2	882.33	1/2	573.78	1/2	288.79	1/2	29.01	1/2	1/2	1/2		1/2	1/2
3/4	1,866.58	3/4	1,535.31	3/4	1,204.04	3/4	875.65	3/4	567.60	3/4	283.07	3/4	24.63	3/4	3/4	3/4		3/4	3/4
4	1,859.68	4	1,528.41	4	1,197.13	4	869.01	4	561.46	4	277.39	4	22.03	4	4	4		4	4
1/4	1,852.78	1/4	1,521.50	1/4	1,190.23	1/4	862.37	1/4	555.32	1/4	271.72	1/4	19.42	1/4	1/4	1/4		1/4	1/4
1/2	1,845.87	1/2	1,514.60	1/2	1,183.33	1/2	855.73	1/2	549.17	1/2	266.04	1/2	16.81	1/2	1/2	1/2		1/2	1/2
3/4	1,838.97	3/4	1,507.70	3/4	1,176.43	3/4	849.09	3/4	543.03	3/4	260.36	3/4	14.20	3/4	3/4	3/4		3/4	3/4
5	1,832.07	5	1,500.80	5	1,169.53	5	842.49	5	536.93	5	254.73	5		5	5	5		5	5
1/4	1,825.17	1/4	1,493.90	1/4	1,162.63	1/4	835.89	1/4	530.82	1/4	249.09	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,818.27	1/2	1,487.00	1/2	1,155.72	1/2	829.29	1/2	524.72	1/2	243.45	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,811.37	3/4	1,480.10	3/4	1,148.82	3/4	822.69	3/4	518.62	3/4	237.82	3/4		3/4	3/4	3/4		3/4	3/4
6	1,804.47	6	1,473.19	6	1,141.92	6	816.13	6	512.56	6	232.22	6		6	6	6		6	6
1/4	1,797.56	1/4	1,466.29	1/4	1,135.02	1/4	809.57	1/4	506.49	1/4	226.62	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,790.66	1/2	1,459.39	1/2	1,128.12	1/2	803.01	1/2	500.43	1/2	221.03	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,783.76	3/4	1,452.49	3/4	1,121.22	3/4	796.45	3/4	494.37	3/4	215.43	3/4		3/4	3/4	3/4		3/4	3/4
7	1,776.86	7	1,445.59	7	1,114.32	7	789.93	7	488.35	7	209.87	7		7	7	7		7	7
1/4	1,769.96	1/4	1,438.69	1/4	1,107.41	1/4	783.41	1/4	482.32	1/4	204.32	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,763.06	1/2	1,431.78	1/2	1,100.51	1/2	776.89	1/2	476.30	1/2	198.76	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,756.16	3/4	1,424.88	3/4	1,093.61	3/4	770.37	3/4	470.28	3/4	193.21	3/4		3/4	3/4	3/4		3/4	3/4
8	1,749.25	8	1,417.98	8	1,086.71	8	763.89	8	464.30	8	187.69	8		8	8	8		8	8
1/4	1,742.35	1/4	1,411.08	1/4	1,079.81	1/4	757.41	1/4	458.32	1/4	182.17	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,735.45	1/2	1,404.18	1/2	1,072.91	1/2	750.93	1/2	452.34	1/2	176.66	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,728.55	3/4	1,397.28	3/4	1,066.01	3/4	744.45	3/4	446.36	3/4	171.14	3/4		3/4	3/4	3/4		3/4	3/4
9	1,721.65	9	1,390.38	9	1,059.10	9	738.01	9	440.41	9	165.66	9		9	9	9		9	9
1/4	1,714.75	1/4	1,383.47	1/4	1,052.20	1/4	731.57	1/4	434.47	1/4	160.19	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,707.84	1/2	1,376.57	1/2	1,045.30	1/2	725.13	1/2	428.53	1/2	154.71	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,700.94	3/4	1,369.67	3/4	1,038.40	3/4	718.69	3/4	422.59	3/4	149.24	3/4		3/4	3/4	3/4		3/4	3/4
10	1,694.04	10	1,362.77	10	1,031.52	10	712.29	10	416.69	10	143.80	10		10	10	10		10	10
1/4	1,687.14	1/4	1,355.87	1/4	1,024.64	1/4	705.89	1/4	410.78	1/4	138.37	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,680.24	1/2	1,348.97	1/2	1,017.75	1/2	699.49	1/2	404.88	1/2	132.93	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,673.34	3/4	1,342.07	3/4	1,010.87	3/4	693.09	3/4	398.98	3/4	127.49	3/4		3/4	3/4	3/4		3/4	3/4
11	1,666.44	11	1,335.16	11	1,004.03	11	686.73	11	393.11	11	122.10	11		11	11	11		11	11
1/4	1,659.53	1/4	1,328.26	1/4	997.19	1/4	680.37	1/4	387.24	1/4	116.70	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,652.63	1/2	1,321.36	1/2	990.35	1/2	674.01	1/2	381.37	1/2	111.31	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,645.73	3/4	1,314.46	3/4	983.51	3/4	667.65	3/4	375.50	3/4	105.91	3/4		3/4	3/4	3/4		3/4	3/4

STRAPPED: 04/11/2014 PMA  
RECALCULATED: 06/03/2019 SW  
NAME CHANGE: 06/04/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "KIRBY 27016"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355"

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	2,466.30	0	2,078.36	0	1,690.42	0	1,302.48	0	914.54	0	540.36	0	153.96	0		0		0	
1/4	2,458.22	1/4	2,070.28	1/4	1,682.34	1/4	1,294.40	1/4	906.46	1/4	532.58	1/4	145.87	1/4	1/4		1/4		1/4
1/2	2,450.14	1/2	2,062.20	1/2	1,674.26	1/2	1,286.32	1/2	898.38	1/2	524.80	1/2	137.79	1/2	1/2		1/2		1/2
3/4	2,442.06	3/4	2,054.12	3/4	1,666.18	3/4	1,278.23	3/4	890.29	3/4	517.03	3/4	129.71	3/4	3/4		3/4		3/4
1	2,433.98	1	2,046.03	1	1,658.09	1	1,270.15	1	882.36	1	509.10	1	121.63	1	1		1		1
1/4	2,425.89	1/4	2,037.95	1/4	1,650.01	1/4	1,262.07	1/4	874.44	1/4	501.17	1/4	113.55	1/4	1/4		1/4		1/4
1/2	2,417.81	1/2	2,029.87	1/2	1,641.93	1/2	1,253.99	1/2	866.51	1/2	493.24	1/2	105.47	1/2	1/2		1/2		1/2
3/4	2,409.73	3/4	2,021.79	3/4	1,633.85	3/4	1,245.91	3/4	858.58	3/4	485.31	3/4	97.38	3/4	3/4		3/4		3/4
2	2,401.65	2	2,013.71	2	1,625.77	2	1,237.82	2	850.81	2	477.23	2	89.30	2	2		2		2
1/4	2,393.56	1/4	2,005.62	1/4	1,617.68	1/4	1,229.74	1/4	843.04	1/4	469.15	1/4	81.22	1/4	1/4		1/4		1/4
1/2	2,385.48	1/2	1,997.54	1/2	1,609.60	1/2	1,221.66	1/2	835.28	1/2	461.06	1/2	73.14	1/2	1/2		1/2		1/2
3/4	2,377.40	3/4	1,989.46	3/4	1,601.52	3/4	1,213.58	3/4	827.51	3/4	452.98	3/4	65.06	3/4	3/4		3/4		3/4
3	2,369.32	3	1,981.38	3	1,593.44	3	1,205.50	3	819.75	3	444.90	3	57.98	3	3		3		3
1/4	2,361.24	1/4	1,973.30	1/4	1,585.35	1/4	1,197.41	1/4	811.99	1/4	436.82	1/4	50.91	1/4	1/4		1/4		1/4
1/2	2,353.15	1/2	1,965.21	1/2	1,577.27	1/2	1,189.33	1/2	804.23	1/2	428.74	1/2	43.84	1/2	1/2		1/2		1/2
3/4	2,345.07	3/4	1,957.13	3/4	1,569.19	3/4	1,181.25	3/4	796.47	3/4	420.66	3/4	36.77	3/4	3/4		3/4		3/4
4	2,336.99	4	1,949.05	4	1,561.11	4	1,173.17	4	788.71	4	412.57	4	31.71	4	4		4		4
1/4	2,328.91	1/4	1,940.97	1/4	1,553.03	1/4	1,165.09	1/4	780.95	1/4	404.49	1/4	26.66	1/4	1/4		1/4		1/4
1/2	2,320.83	1/2	1,932.88	1/2	1,544.94	1/2	1,157.00	1/2	773.19	1/2	396.41	1/2	21.61	1/2	1/2		1/2		1/2
3/4	2,312.74	3/4	1,924.80	3/4	1,536.86	3/4	1,148.92	3/4	765.43	3/4	388.33	3/4	16.56	3/4	3/4		3/4		3/4
5	2,304.66	5	1,916.72	5	1,528.78	5	1,140.84	5	757.67	5	380.25	5		5	5		5		5
1/4	2,296.58	1/4	1,908.64	1/4	1,520.70	1/4	1,132.76	1/4	749.91	1/4	372.16	1/4		1/4	1/4		1/4		1/4
1/2	2,288.50	1/2	1,900.56	1/2	1,512.62	1/2	1,124.67	1/2	742.15	1/2	364.08	1/2		1/2	1/2		1/2		1/2
3/4	2,280.42	3/4	1,892.47	3/4	1,504.53	3/4	1,116.59	3/4	734.39	3/4	356.00	3/4		3/4	3/4		3/4		3/4
6	2,272.33	6	1,884.39	6	1,496.45	6	1,108.51	6	726.63	6	347.92	6		6	6		6		6
1/4	2,264.25	1/4	1,876.31	1/4	1,488.37	1/4	1,100.43	1/4	718.87	1/4	339.84	1/4		1/4	1/4		1/4		1/4
1/2	2,256.17	1/2	1,868.23	1/2	1,480.29	1/2	1,092.35	1/2	711.11	1/2	331.76	1/2		1/2	1/2		1/2		1/2
3/4	2,248.09	3/4	1,860.15	3/4	1,472.21	3/4	1,084.26	3/4	703.35	3/4	323.67	3/4		3/4	3/4		3/4		3/4
7	2,240.00	7	1,852.06	7	1,464.12	7	1,076.18	7	695.59	7	315.59	7		7	7		7		7
1/4	2,231.92	1/4	1,843.98	1/4	1,456.04	1/4	1,068.10	1/4	687.83	1/4	307.51	1/4		1/4	1/4		1/4		1/4
1/2	2,223.84	1/2	1,835.90	1/2	1,447.96	1/2	1,060.02	1/2	680.07	1/2	299.43	1/2		1/2	1/2		1/2		1/2
3/4	2,215.76	3/4	1,827.82	3/4	1,439.88	3/4	1,051.94	3/4	672.31	3/4	291.35	3/4		3/4	3/4		3/4		3/4
8	2,207.68	8	1,819.74	8	1,431.79	8	1,043.85	8	664.55	8	283.26	8		8	8		8		8
1/4	2,199.59	1/4	1,811.65	1/4	1,423.71	1/4	1,035.77	1/4	656.80	1/4	275.18	1/4		1/4	1/4		1/4		1/4
1/2	2,191.51	1/2	1,803.57	1/2	1,415.63	1/2	1,027.69	1/2	649.04	1/2	267.10	1/2		1/2	1/2		1/2		1/2
3/4	2,183.43	3/4	1,795.49	3/4	1,407.55	3/4	1,019.61	3/4	641.28	3/4	259.02	3/4		3/4	3/4		3/4		3/4
9	2,175.35	9	1,787.41	9	1,399.47	9	1,011.53	9	633.52	9	250.94	9		9	9		9		9
1/4	2,167.27	1/4	1,779.32	1/4	1,391.38	1/4	1,003.44	1/4	625.76	1/4	242.86	1/4		1/4	1/4		1/4		1/4
1/2	2,159.18	1/2	1,771.24	1/2	1,383.30	1/2	995.36	1/2	618.00	1/2	234.77	1/2		1/2	1/2		1/2		1/2
3/4	2,151.10	3/4	1,763.16	3/4	1,375.22	3/4	987.28	3/4	610.24	3/4	226.69	3/4		3/4	3/4		3/4		3/4
10	2,143.02	10	1,755.08	10	1,367.14	10	979.20	10	602.48	10	218.61	10		10	10		10		10
1/4	2,134.94	1/4	1,747.00	1/4	1,359.06	1/4	971.11	1/4	594.72	1/4	210.53	1/4		1/4	1/4		1/4		1/4
1/2	2,126.86	1/2	1,738.91	1/2	1,350.97	1/2	963.03	1/2	586.96	1/2	202.45	1/2		1/2	1/2		1/2		1/2
3/4	2,118.77	3/4	1,730.83	3/4	1,342.89	3/4	954.95	3/4	579.20	3/4	194.37	3/4		3/4	3/4		3/4		3/4
11	2,110.69	11	1,722.75	11	1,334.81	11	946.87	11	571.43	11	186.28	11		11	11		11		11
1/4	2,102.61	1/4	1,714.67	1/4	1,326.73	1/4	938.79	1/4	563.66	1/4	178.20	1/4		1/4	1/4		1/4		1/4
1/2	2,094.53	1/2	1,706.59	1/2	1,318.65	1/2	930.70	1/2	555.90	1/2	170.12	1/2		1/2	1/2		1/2		1/2
3/4	2,086.44	3/4	1,698.50	3/4	1,310.56	3/4	922.62	3/4	548.13	3/4	162.04	3/4		3/4	3/4		3/4		3/4

STRAPPED: 04/11/2014 PMA  
RECALCULATED: 06/03/2019 SW  
NAME CHANGE: 06/04/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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







# BARGE "KIRBY 27016"

## 2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355"

GAUGE HEIGHT 16'-04 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	2,472.37	0	2,084.51	0	1,696.66	0	1,308.80	0	920.95	0	533.68	0	145.84	0		0		0	
1/4	2,464.29	1/4	2,076.43	1/4	1,688.58	1/4	1,300.72	1/4	912.87	1/4	525.60	1/4	137.76	1/4	1/4	1/4		1/4	
1/2	2,456.21	1/2	2,068.35	1/2	1,680.50	1/2	1,292.64	1/2	904.79	1/2	517.52	1/2	129.68	1/2	1/2	1/2		1/2	
3/4	2,448.13	3/4	2,060.27	3/4	1,672.42	3/4	1,284.56	3/4	896.71	3/4	509.44	3/4	121.60	3/4	3/4	3/4		3/4	
1	2,440.05	1	2,052.19	1	1,664.34	1	1,276.48	1	888.63	1	501.36	1	113.52	1	1	1		1	
1/4	2,431.97	1/4	2,044.11	1/4	1,656.26	1/4	1,268.40	1/4	880.55	1/4	493.28	1/4	105.44	1/4	1/4	1/4		1/4	
1/2	2,423.89	1/2	2,036.03	1/2	1,648.18	1/2	1,260.32	1/2	872.47	1/2	485.20	1/2	97.36	1/2	1/2	1/2		1/2	
3/4	2,415.80	3/4	2,027.95	3/4	1,640.10	3/4	1,252.24	3/4	864.40	3/4	477.12	3/4	89.28	3/4	3/4	3/4		3/4	
2	2,407.72	2	2,019.87	2	1,632.02	2	1,244.16	2	856.32	2	469.04	2	81.20	2	2	2		2	
1/4	2,399.64	1/4	2,011.79	1/4	1,623.94	1/4	1,236.08	1/4	848.25	1/4	460.96	1/4	73.12	1/4	1/4	1/4		1/4	
1/2	2,391.56	1/2	2,003.71	1/2	1,615.86	1/2	1,228.00	1/2	840.18	1/2	452.88	1/2	65.04	1/2	1/2	1/2		1/2	
3/4	2,383.48	3/4	1,995.63	3/4	1,607.77	3/4	1,219.92	3/4	832.12	3/4	444.80	3/4	57.97	3/4	3/4	3/4		3/4	
3	2,375.40	3	1,987.55	3	1,599.69	3	1,211.84	3	824.05	3	436.72	3	50.90	3	3	3		3	
1/4	2,367.32	1/4	1,979.47	1/4	1,591.61	1/4	1,203.76	1/4	815.99	1/4	428.64	1/4	43.83	1/4	1/4	1/4		1/4	
1/2	2,359.24	1/2	1,971.39	1/2	1,583.53	1/2	1,195.68	1/2	807.92	1/2	420.56	1/2	36.75	1/2	1/2	1/2		1/2	
3/4	2,351.16	3/4	1,963.31	3/4	1,575.45	3/4	1,187.60	3/4	799.86	3/4	412.48	3/4	31.70	3/4	3/4	3/4		3/4	
4	2,343.08	4	1,955.23	4	1,567.37	4	1,179.52	4	791.80	4	404.40	4	26.65	4	4	4		4	
1/4	2,335.00	1/4	1,947.15	1/4	1,559.29	1/4	1,171.44	1/4	783.73	1/4	396.32	1/4	21.60	1/4	1/4	1/4		1/4	
1/2	2,326.92	1/2	1,939.07	1/2	1,551.21	1/2	1,163.36	1/2	775.67	1/2	388.24	1/2	16.55	1/2	1/2	1/2		1/2	
3/4	2,318.84	3/4	1,930.99	3/4	1,543.13	3/4	1,155.28	3/4	767.60	3/4	380.16	3/4		3/4	3/4	3/4		3/4	
5	2,310.76	5	1,922.91	5	1,535.05	5	1,147.20	5	759.54	5	372.08	5		5	5	5		5	
1/4	2,302.68	1/4	1,914.83	1/4	1,526.97	1/4	1,139.12	1/4	751.47	1/4	364.00	1/4		1/4	1/4	1/4		1/4	
1/2	2,294.60	1/2	1,906.75	1/2	1,518.89	1/2	1,131.04	1/2	743.41	1/2	355.92	1/2		1/2	1/2	1/2		1/2	
3/4	2,286.52	3/4	1,898.67	3/4	1,510.81	3/4	1,122.96	3/4	735.34	3/4	347.84	3/4		3/4	3/4	3/4		3/4	
6	2,278.44	6	1,890.59	6	1,502.73	6	1,114.88	6	727.28	6	339.76	6		6	6	6		6	
1/4	2,270.36	1/4	1,882.51	1/4	1,494.65	1/4	1,106.80	1/4	719.21	1/4	331.68	1/4		1/4	1/4	1/4		1/4	
1/2	2,262.28	1/2	1,874.42	1/2	1,486.57	1/2	1,098.72	1/2	711.15	1/2	323.60	1/2		1/2	1/2	1/2		1/2	
3/4	2,254.20	3/4	1,866.34	3/4	1,478.49	3/4	1,090.64	3/4	703.09	3/4	315.52	3/4		3/4	3/4	3/4		3/4	
7	2,246.12	7	1,858.26	7	1,470.41	7	1,082.56	7	695.02	7	307.44	7		7	7	7		7	
1/4	2,238.04	1/4	1,850.18	1/4	1,462.33	1/4	1,074.48	1/4	686.96	1/4	299.36	1/4		1/4	1/4	1/4		1/4	
1/2	2,229.96	1/2	1,842.10	1/2	1,454.25	1/2	1,066.39	1/2	678.90	1/2	291.28	1/2		1/2	1/2	1/2		1/2	
3/4	2,221.88	3/4	1,834.02	3/4	1,446.17	3/4	1,058.31	3/4	670.83	3/4	283.20	3/4		3/4	3/4	3/4		3/4	
8	2,213.80	8	1,825.94	8	1,438.09	8	1,050.23	8	662.77	8	275.12	8		8	8	8		8	
1/4	2,205.72	1/4	1,817.86	1/4	1,430.01	1/4	1,042.15	1/4	654.71	1/4	267.04	1/4		1/4	1/4	1/4		1/4	
1/2	2,197.64	1/2	1,809.78	1/2	1,421.93	1/2	1,034.07	1/2	646.64	1/2	258.96	1/2		1/2	1/2	1/2		1/2	
3/4	2,189.56	3/4	1,801.70	3/4	1,413.85	3/4	1,025.99	3/4	638.58	3/4	250.88	3/4		3/4	3/4	3/4		3/4	
9	2,181.48	9	1,793.62	9	1,405.77	9	1,017.91	9	630.51	9	242.80	9		9	9	9		9	
1/4	2,173.40	1/4	1,785.54	1/4	1,397.69	1/4	1,009.83	1/4	622.45	1/4	234.72	1/4		1/4	1/4	1/4		1/4	
1/2	2,165.32	1/2	1,777.46	1/2	1,389.61	1/2	1,001.75	1/2	614.38	1/2	226.64	1/2		1/2	1/2	1/2		1/2	
3/4	2,157.24	3/4	1,769.38	3/4	1,381.53	3/4	993.67	3/4	606.32	3/4	218.56	3/4		3/4	3/4	3/4		3/4	
10	2,149.15	10	1,761.30	10	1,373.45	10	985.59	10	598.26	10	210.48	10		10	10	10		10	
1/4	2,141.07	1/4	1,753.22	1/4	1,365.37	1/4	977.51	1/4	590.19	1/4	202.40	1/4		1/4	1/4	1/4		1/4	
1/2	2,132.99	1/2	1,745.14	1/2	1,357.29	1/2	969.43	1/2	582.13	1/2	194.32	1/2		1/2	1/2	1/2		1/2	
3/4	2,124.91	3/4	1,737.06	3/4	1,349.21	3/4	961.35	3/4	574.06	3/4	186.24	3/4		3/4	3/4	3/4		3/4	
11	2,116.83	11	1,728.98	11	1,341.12	11	953.27	11	565.99	11	178.16	11		11	11	11		11	
1/4	2,108.75	1/4	1,720.90	1/4	1,333.04	1/4	945.19	1/4	557.92	1/4	170.08	1/4		1/4	1/4	1/4		1/4	
1/2	2,100.67	1/2	1,712.82	1/2	1,324.96	1/2	937.11	1/2	549.84	1/2	162.00	1/2		1/2	1/2	1/2		1/2	
3/4	2,092.59	3/4	1,704.74	3/4	1,316.88	3/4	929.03	3/4	541.76	3/4	153.92	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/11/2014 PMA  
RECALCULATED: 06/03/2019 SW  
NAME CHANGE: 06/04/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2019

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



# BARGE "KIRBY 27016"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355"

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
12		12		12		12		12		12		12		12		12		12	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		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.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

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 27016"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355"

GAUGE HEIGHT 16'-05"

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	2,297.98	0	1,937.51	0	1,577.99	0	1,217.84	0	857.52	0	509.47	0	150.64	0		0		0	
1/4	2,290.47	1/4	1,930.00	1/4	1,570.50	1/4	1,210.33	1/4	850.01	1/4	502.24	1/4	143.13	1/4	1/4		1/4		1/4
1/2	2,282.96	1/2	1,922.49	1/2	1,563.02	1/2	1,202.82	1/2	842.51	1/2	495.02	1/2	135.62	1/2	1/2		1/2		1/2
3/4	2,275.45	3/4	1,914.98	3/4	1,555.53	3/4	1,195.32	3/4	835.00	3/4	487.79	3/4	128.10	3/4	3/4		3/4		3/4
1	2,267.94	1	1,907.47	1	1,548.04	1	1,187.81	1	827.49	1	480.57	1	120.59	1	1		1		1
1/4	2,260.43	1/4	1,899.96	1/4	1,540.56	1/4	1,180.30	1/4	820.12	1/4	473.20	1/4	113.08	1/4	1/4		1/4		1/4
1/2	2,252.92	1/2	1,892.45	1/2	1,533.07	1/2	1,172.80	1/2	812.75	1/2	465.84	1/2	105.57	1/2	1/2		1/2		1/2
3/4	2,245.41	3/4	1,884.94	3/4	1,525.59	3/4	1,165.29	3/4	805.38	3/4	458.48	3/4	98.06	3/4	3/4		3/4		3/4
2	2,237.90	2	1,877.43	2	1,518.10	2	1,157.78	2	798.01	2	451.12	2	90.54	2	2		2		2
1/4	2,230.39	1/4	1,869.94	1/4	1,510.59	1/4	1,150.28	1/4	790.78	1/4	443.61	1/4	83.03	1/4	1/4		1/4		1/4
1/2	2,222.88	1/2	1,862.46	1/2	1,503.09	1/2	1,142.77	1/2	783.55	1/2	436.10	1/2	75.52	1/2	1/2		1/2		1/2
3/4	2,215.37	3/4	1,854.97	3/4	1,495.58	3/4	1,135.26	3/4	776.32	3/4	428.58	3/4	68.01	3/4	3/4		3/4		3/4
3	2,207.86	3	1,847.48	3	1,488.07	3	1,127.76	3	769.09	3	421.07	3	60.50	3	3		3		3
1/4	2,200.35	1/4	1,840.00	1/4	1,480.57	1/4	1,120.25	1/4	761.87	1/4	413.56	1/4	53.92	1/4	1/4		1/4		1/4
1/2	2,192.84	1/2	1,832.51	1/2	1,473.06	1/2	1,112.74	1/2	754.65	1/2	406.05	1/2	47.35	1/2	1/2		1/2		1/2
3/4	2,185.33	3/4	1,825.03	3/4	1,465.55	3/4	1,105.24	3/4	747.43	3/4	398.54	3/4	40.77	3/4	3/4		3/4		3/4
4	2,177.82	4	1,817.54	4	1,458.05	4	1,097.73	4	740.21	4	391.02	4	34.20	4	4		4		4
1/4	2,170.31	1/4	1,810.05	1/4	1,450.54	1/4	1,090.22	1/4	733.00	1/4	383.51	1/4	29.51	1/4	1/4		1/4		1/4
1/2	2,162.80	1/2	1,802.57	1/2	1,443.03	1/2	1,082.72	1/2	725.79	1/2	376.00	1/2	24.81	1/2	1/2		1/2		1/2
3/4	2,155.29	3/4	1,795.08	3/4	1,435.53	3/4	1,075.21	3/4	718.58	3/4	368.49	3/4	20.12	3/4	3/4		3/4		3/4
5	2,147.78	5	1,787.60	5	1,428.02	5	1,067.70	5	711.37	5	360.98	5	15.42	5	5		5		5
1/4	2,140.27	1/4	1,780.11	1/4	1,420.51	1/4	1,060.20	1/4	704.16	1/4	353.46	1/4		1/4	1/4		1/4		1/4
1/2	2,132.76	1/2	1,772.62	1/2	1,413.01	1/2	1,052.69	1/2	696.95	1/2	345.95	1/2		1/2	1/2		1/2		1/2
3/4	2,125.25	3/4	1,765.14	3/4	1,405.50	3/4	1,045.18	3/4	689.74	3/4	338.44	3/4		3/4	3/4		3/4		3/4
6	2,117.74	6	1,757.65	6	1,397.99	6	1,037.68	6	682.53	6	330.93	6		6	6		6		6
1/4	2,110.23	1/4	1,750.17	1/4	1,390.49	1/4	1,030.17	1/4	675.32	1/4	323.42	1/4		1/4	1/4		1/4		1/4
1/2	2,102.72	1/2	1,742.68	1/2	1,382.98	1/2	1,022.66	1/2	668.11	1/2	315.90	1/2		1/2	1/2		1/2		1/2
3/4	2,095.21	3/4	1,735.19	3/4	1,375.47	3/4	1,015.16	3/4	660.90	3/4	308.39	3/4		3/4	3/4		3/4		3/4
7	2,087.70	7	1,727.71	7	1,367.97	7	1,007.65	7	653.69	7	300.88	7		7	7		7		7
1/4	2,080.19	1/4	1,720.22	1/4	1,360.46	1/4	1,000.14	1/4	646.48	1/4	293.37	1/4		1/4	1/4		1/4		1/4
1/2	2,072.68	1/2	1,712.74	1/2	1,352.95	1/2	992.64	1/2	639.27	1/2	285.86	1/2		1/2	1/2		1/2		1/2
3/4	2,065.17	3/4	1,705.25	3/4	1,345.45	3/4	985.13	3/4	632.06	3/4	278.34	3/4		3/4	3/4		3/4		3/4
8	2,057.66	8	1,697.76	8	1,337.94	8	977.62	8	624.85	8	270.83	8		8	8		8		8
1/4	2,050.15	1/4	1,690.28	1/4	1,330.43	1/4	970.12	1/4	617.64	1/4	263.32	1/4		1/4	1/4		1/4		1/4
1/2	2,042.65	1/2	1,682.79	1/2	1,322.93	1/2	962.61	1/2	610.43	1/2	255.81	1/2		1/2	1/2		1/2		1/2
3/4	2,035.14	3/4	1,675.31	3/4	1,315.42	3/4	955.10	3/4	603.22	3/4	248.30	3/4		3/4	3/4		3/4		3/4
9	2,027.63	9	1,667.82	9	1,307.91	9	947.60	9	596.02	9	240.78	9		9	9		9		9
1/4	2,020.12	1/4	1,660.33	1/4	1,300.41	1/4	940.09	1/4	588.81	1/4	233.27	1/4		1/4	1/4		1/4		1/4
1/2	2,012.61	1/2	1,652.85	1/2	1,292.90	1/2	932.58	1/2	581.60	1/2	225.76	1/2		1/2	1/2		1/2		1/2
3/4	2,005.10	3/4	1,645.36	3/4	1,285.39	3/4	925.08	3/4	574.38	3/4	218.25	3/4		3/4	3/4		3/4		3/4
10	1,997.59	10	1,637.88	10	1,277.89	10	917.57	10	567.17	10	210.74	10		10	10		10		10
1/4	1,990.08	1/4	1,630.39	1/4	1,270.38	1/4	910.06	1/4	559.96	1/4	203.22	1/4		1/4	1/4		1/4		1/4
1/2	1,982.57	1/2	1,622.90	1/2	1,262.87	1/2	902.56	1/2	552.75	1/2	195.71	1/2		1/2	1/2		1/2		1/2
3/4	1,975.06	3/4	1,615.42	3/4	1,255.37	3/4	895.05	3/4	545.54	3/4	188.20	3/4		3/4	3/4		3/4		3/4
11	1,967.55	11	1,607.93	11	1,247.86	11	887.54	11	538.33	11	180.69	11		11	11		11		11
1/4	1,960.04	1/4	1,600.45	1/4	1,240.36	1/4	880.04	1/4	531.12	1/4	173.18	1/4		1/4	1/4		1/4		1/4
1/2	1,952.53	1/2	1,592.96	1/2	1,232.85	1/2	872.53	1/2	523.90	1/2	165.66	1/2		1/2	1/2		1/2		1/2
3/4	1,945.02	3/4	1,585.47	3/4	1,225.34	3/4	865.03	3/4	516.68	3/4	158.15	3/4		3/4	3/4		3/4		3/4

STRAPPED: 04/11/2014 PMA  
RECALCULATED: 06/03/2019 SW  
NAME CHANGE: 06/04/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "KIRBY 27016"

## 3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 355"

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	2,288.95	0	1,928.72	0	1,570.16	0	1,211.03	0	850.81	0	501.99	0	143.05	0		0		0	
1/4	2,281.44	1/4	1,921.22	1/4	1,562.71	1/4	1,203.52	1/4	843.31	1/4	494.74	1/4	135.54	1/4	1/4		1/4		1/4
1/2	2,273.94	1/2	1,913.72	1/2	1,555.26	1/2	1,196.02	1/2	835.80	1/2	487.49	1/2	128.04	1/2	1/2		1/2		1/2
3/4	2,266.43	3/4	1,906.21	3/4	1,547.82	3/4	1,188.51	3/4	828.30	3/4	480.24	3/4	120.53	3/4	3/4		3/4		3/4
1	2,258.93	1	1,898.71	1	1,540.37	1	1,181.01	1	820.92	1	472.86	1	113.03	1	1		1		1
1/4	2,251.42	1/4	1,891.20	1/4	1,532.92	1/4	1,173.50	1/4	813.54	1/4	465.48	1/4	105.53	1/4	1/4		1/4		1/4
1/2	2,243.92	1/2	1,883.70	1/2	1,525.47	1/2	1,166.00	1/2	806.16	1/2	458.10	1/2	98.02	1/2	1/2		1/2		1/2
3/4	2,236.41	3/4	1,876.19	3/4	1,518.03	3/4	1,158.50	3/4	798.78	3/4	450.72	3/4	90.52	3/4	3/4		3/4		3/4
2	2,228.91	2	1,868.69	2	1,510.58	2	1,150.99	2	791.54	2	443.22	2	83.01	2	2		2		2
1/4	2,221.40	1/4	1,861.18	1/4	1,503.13	1/4	1,143.49	1/4	784.29	1/4	435.72	1/4	75.51	1/4	1/4		1/4		1/4
1/2	2,213.90	1/2	1,853.68	1/2	1,495.68	1/2	1,135.98	1/2	777.05	1/2	428.21	1/2	68.00	1/2	1/2		1/2		1/2
3/4	2,206.39	3/4	1,846.17	3/4	1,488.24	3/4	1,128.48	3/4	769.81	3/4	420.71	3/4	60.50	3/4	3/4		3/4		3/4
3	2,198.89	3	1,838.67	3	1,480.79	3	1,120.97	3	762.57	3	413.20	3	53.93	3	3		3		3
1/4	2,191.39	1/4	1,831.16	1/4	1,473.34	1/4	1,113.47	1/4	755.33	1/4	405.70	1/4	47.37	1/4	1/4		1/4		1/4
1/2	2,183.88	1/2	1,823.66	1/2	1,465.89	1/2	1,105.96	1/2	748.09	1/2	398.19	1/2	40.80	1/2	1/2		1/2		1/2
3/4	2,176.38	3/4	1,816.16	3/4	1,458.45	3/4	1,098.46	3/4	740.86	3/4	390.69	3/4	34.24	3/4	3/4		3/4		3/4
4	2,168.87	4	1,808.65	4	1,451.00	4	1,090.95	4	733.62	4	383.19	4	29.54	4	4		4		4
1/4	2,161.37	1/4	1,801.15	1/4	1,443.55	1/4	1,083.45	1/4	726.38	1/4	375.68	1/4	24.84	1/4	1/4		1/4		1/4
1/2	2,153.86	1/2	1,793.64	1/2	1,436.10	1/2	1,075.95	1/2	719.14	1/2	368.18	1/2	20.14	1/2	1/2		1/2		1/2
3/4	2,146.36	3/4	1,786.14	3/4	1,428.66	3/4	1,068.44	3/4	711.91	3/4	360.67	3/4	15.44	3/4	3/4		3/4		3/4
5	2,138.85	5	1,778.69	5	1,421.15	5	1,060.94	5	704.67	5	353.17	5		5	5		5		5
1/4	2,131.35	1/4	1,771.24	1/4	1,413.65	1/4	1,053.43	1/4	697.43	1/4	345.66	1/4		1/4	1/4		1/4		1/4
1/2	2,123.84	1/2	1,763.79	1/2	1,406.14	1/2	1,045.93	1/2	690.20	1/2	338.16	1/2		1/2	1/2		1/2		1/2
3/4	2,116.34	3/4	1,756.35	3/4	1,398.64	3/4	1,038.42	3/4	682.96	3/4	330.66	3/4		3/4	3/4		3/4		3/4
6	2,108.84	6	1,748.90	6	1,391.13	6	1,030.92	6	675.72	6	323.15	6		6	6		6		6
1/4	2,101.33	1/4	1,741.45	1/4	1,383.63	1/4	1,023.41	1/4	668.48	1/4	315.65	1/4		1/4	1/4		1/4		1/4
1/2	2,093.83	1/2	1,734.00	1/2	1,376.13	1/2	1,015.91	1/2	661.25	1/2	308.14	1/2		1/2	1/2		1/2		1/2
3/4	2,086.32	3/4	1,726.56	3/4	1,368.62	3/4	1,008.41	3/4	654.01	3/4	300.64	3/4		3/4	3/4		3/4		3/4
7	2,078.82	7	1,719.11	7	1,361.12	7	1,000.90	7	646.77	7	293.13	7		7	7		7		7
1/4	2,071.31	1/4	1,711.66	1/4	1,353.61	1/4	993.40	1/4	639.54	1/4	285.63	1/4		1/4	1/4		1/4		1/4
1/2	2,063.81	1/2	1,704.21	1/2	1,346.11	1/2	985.89	1/2	632.30	1/2	278.13	1/2		1/2	1/2		1/2		1/2
3/4	2,056.30	3/4	1,696.77	3/4	1,338.60	3/4	978.39	3/4	625.07	3/4	270.62	3/4		3/4	3/4		3/4		3/4
8	2,048.80	8	1,689.32	8	1,331.10	8	970.88	8	617.83	8	263.12	8		8	8		8		8
1/4	2,041.29	1/4	1,681.87	1/4	1,323.59	1/4	963.38	1/4	610.59	1/4	255.61	1/4		1/4	1/4		1/4		1/4
1/2	2,033.79	1/2	1,674.42	1/2	1,316.09	1/2	955.87	1/2	603.36	1/2	248.11	1/2		1/2	1/2		1/2		1/2
3/4	2,026.28	3/4	1,666.98	3/4	1,308.59	3/4	948.37	3/4	596.12	3/4	240.60	3/4		3/4	3/4		3/4		3/4
9	2,018.78	9	1,659.53	9	1,301.08	9	940.86	9	588.88	9	233.10	9		9	9		9		9
1/4	2,011.28	1/4	1,652.08	1/4	1,293.58	1/4	933.36	1/4	581.65	1/4	225.59	1/4		1/4	1/4		1/4		1/4
1/2	2,003.77	1/2	1,644.63	1/2	1,286.07	1/2	925.86	1/2	574.41	1/2	218.09	1/2		1/2	1/2		1/2		1/2
3/4	1,996.27	3/4	1,637.19	3/4	1,278.57	3/4	918.35	3/4	567.17	3/4	210.59	3/4		3/4	3/4		3/4		3/4
10	1,988.76	10	1,629.74	10	1,271.06	10	910.85	10	559.93	10	203.08	10		10	10		10		10
1/4	1,981.26	1/4	1,622.29	1/4	1,263.56	1/4	903.34	1/4	552.70	1/4	195.58	1/4		1/4	1/4		1/4		1/4
1/2	1,973.75	1/2	1,614.84	1/2	1,256.05	1/2	895.84	1/2	545.46	1/2	188.07	1/2		1/2	1/2		1/2		1/2
3/4	1,966.25	3/4	1,607.40	3/4	1,248.55	3/4	888.33	3/4	538.22	3/4	180.57	3/4		3/4	3/4		3/4		3/4
11	1,958.74	11	1,599.95	11	1,241.04	11	880.83	11	530.98	11	173.06	11		11	11		11		11
1/4	1,951.24	1/4	1,592.50	1/4	1,233.54	1/4	873.32	1/4	523.73	1/4	165.56	1/4		1/4	1/4		1/4		1/4
1/2	1,943.73	1/2	1,585.05	1/2	1,226.04	1/2	865.82	1/2	516.49	1/2	158.06	1/2		1/2	1/2		1/2		1/2
3/4	1,936.23	3/4	1,577.61	3/4	1,218.53	3/4	858.32	3/4	509.25	3/4	150.55	3/4		3/4	3/4		3/4		3/4

STRAPPED: 04/11/2014 PMA  
RECALCULATED: 06/03/2019 SW  
NAME CHANGE: 06/04/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 27016"

## FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY CTCO 355

GAUGE HEIGHT 5'-01 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	

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.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER PIPE.

STRAPPED: 04/11/2014 PMA  
RECALCULATED: 06/03/2019 CL  
REPRINTED: 06/04/2019 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "KIRBY 27016"

## PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 355"

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

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CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

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# BARGE "KIRBY 27016"

## STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 355"

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

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