



# BARGE "KIRBY 29702B"

## ULLAGE TRIM TABLE

	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	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8
1 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
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
3 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4
3 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4

(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 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 276'-00"

May 28, 2024

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29702B"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

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	5,310.81	0	4,943.96	0	4,555.63	0	4,165.29	0	3,774.39	0	3,383.50	0	2,992.61		
1/4		1/4		1/4		1/4	5,306.67	1/4	4,935.87	1/4	4,547.54	1/4	4,157.15	1/4	3,766.25	1/4	3,375.36	1/4	2,984.47		
1/2		1/2		1/2		1/2	5,301.18	1/2	4,927.78	1/2	4,539.45	1/2	4,149.00	1/2	3,758.11	1/2	3,367.22	1/2	2,976.32		
3/4		3/4		3/4		3/4	5,295.69	3/4	4,919.69	3/4	4,531.36	3/4	4,140.86	3/4	3,749.96	3/4	3,359.07	3/4	2,968.18		
1		1		1		1	5,290.20	1	4,911.60	1	4,523.27	1	4,132.71	1	3,741.82	1	3,350.93	1	2,960.03		
1/4		1/4		1/4		1/4	5,284.71	1/4	4,903.51	1/4	4,515.18	1/4	4,124.57	1/4	3,733.68	1/4	3,342.79	1/4	2,951.89		
1/2		1/2		1/2		1/2	5,277.86	1/2	4,895.42	1/2	4,507.09	1/2	4,116.43	1/2	3,725.53	1/2	3,334.64	1/2	2,943.75		
3/4		3/4		3/4		3/4	5,271.01	3/4	4,887.33	3/4	4,499.00	3/4	4,108.28	3/4	3,717.39	3/4	3,326.50	3/4	2,935.60		
2		2		2		2	5,264.16	2	4,879.24	2	4,490.91	2	4,100.14	2	3,709.24	2	3,318.35	2	2,927.46		
1/4		1/4		1/4		1/4	5,257.31	1/4	4,871.15	1/4	4,482.82	1/4	4,092.00	1/4	3,701.10	1/4	3,310.21	1/4	2,919.32		
1/2		1/2		1/2		1/2	5,249.53	1/2	4,863.06	1/2	4,474.69	1/2	4,083.85	1/2	3,692.96	1/2	3,302.07	1/2	2,911.17		
3/4		3/4		3/4		3/4	5,241.74	3/4	4,854.97	3/4	4,466.57	3/4	4,075.71	3/4	3,684.81	3/4	3,293.92	3/4	2,903.03		
3		3		3		3	5,233.96	3	4,846.88	3	4,458.44	3	4,067.56	3	3,676.67	3	3,285.78	3	2,894.88		
1/4		1/4		1/4		1/4	5,226.18	1/4	4,838.79	1/4	4,450.32	1/4	4,059.42	1/4	3,668.53	1/4	3,277.64	1/4	2,886.74		
1/2		1/2		1/2		1/2	5,218.14	1/2	4,830.70	1/2	4,442.17	1/2	4,051.28	1/2	3,660.39	1/2	3,269.49	1/2	2,878.60		
3/4		3/4		3/4		3/4	5,210.11	3/4	4,822.60	3/4	4,434.03	3/4	4,043.13	3/4	3,652.24	3/4	3,261.35	3/4	2,870.45		
4		4		4		4	5,202.07	4	4,814.51	4	4,425.88	4	4,034.99	4	3,644.10	4	3,253.20	4	2,862.31		
1/4		1/4		1/4		1/4	5,194.04	1/4	4,806.42	1/4	4,417.74	1/4	4,026.85	1/4	3,635.96	1/4	3,245.06	1/4	2,854.17		
1/2		1/2		1/2		1/2	5,186.00	1/2	4,798.33	1/2	4,409.60	1/2	4,018.70	1/2	3,627.81	1/2	3,236.92	1/2	2,846.03		
3/4		3/4		3/4		3/4	5,177.96	3/4	4,790.24	3/4	4,401.45	3/4	4,010.56	3/4	3,619.67	3/4	3,228.77	3/4	2,837.88		
5		5		5		5	5,169.93	5	4,782.15	5	4,393.31	5	4,002.41	5	3,611.52	5	3,220.63	5	2,829.74		
1/4		1/4		1/4		1/4	5,161.89	1/4	4,774.06	1/4	4,385.17	1/4	3,994.27	1/4	3,603.38	1/4	3,212.49	1/4	2,821.60		
1/2		1/2		1/2		1/2	5,153.85	1/2	4,765.97	1/2	4,377.02	1/2	3,986.13	1/2	3,595.24	1/2	3,204.34	1/2	2,813.45		
3/4		3/4		3/4		3/4	5,145.81	3/4	4,757.88	3/4	4,368.88	3/4	3,977.98	3/4	3,587.09	3/4	3,196.20	3/4	2,805.31		
6		6		6		6	5,137.78	6	4,749.79	6	4,360.73	6	3,969.84	6	3,578.95	6	3,188.05	6	2,797.16		
1/4		1/4		1/4		1/4	5,129.74	1/4	4,741.70	1/4	4,352.59	1/4	3,961.70	1/4	3,570.81	1/4	3,179.91	1/4	2,789.02		
1/2		1/2		1/2		1/2	5,121.70	1/2	4,733.61	1/2	4,344.45	1/2	3,953.55	1/2	3,562.66	1/2	3,171.77	1/2	2,780.88		
3/4		3/4		3/4		3/4	5,113.66	3/4	4,725.52	3/4	4,336.30	3/4	3,945.41	3/4	3,554.52	3/4	3,163.62	3/4	2,772.73		
7		7		7		7	5,105.63	7	4,717.43	7	4,328.16	7	3,937.26	7	3,546.37	7	3,155.48	7	2,764.59		
1/4		1/4		1/4		1/4	5,097.59	1/4	4,709.34	1/4	4,320.02	1/4	3,929.12	1/4	3,538.23	1/4	3,147.34	1/4	2,756.45		
1/2		1/2		1/2		1/2	5,089.52	1/2	4,701.25	1/2	4,311.87	1/2	3,920.98	1/2	3,530.09	1/2	3,139.19	1/2	2,748.30		
3/4		3/4		3/4		3/4	5,081.45	3/4	4,693.16	3/4	4,303.73	3/4	3,912.83	3/4	3,521.94	3/4	3,131.05	3/4	2,740.16		
8		8		8		8	5,073.38	8	4,685.07	8	4,295.58	8	3,904.69	8	3,513.80	8	3,122.90	8	2,732.01		
1/4		1/4		1/4		1/4	5,065.31	1/4	4,676.98	1/4	4,287.44	1/4	3,896.55	1/4	3,505.66	1/4	3,114.76	1/4	2,723.87		
1/2		1/2		1/2		1/2	5,057.22	1/2	4,668.89	1/2	4,279.30	1/2	3,888.41	1/2	3,497.51	1/2	3,106.62	1/2	2,715.73		
3/4		3/4		3/4		3/4	5,049.13	3/4	4,660.80	3/4	4,271.15	3/4	3,880.26	3/4	3,489.37	3/4	3,098.47	3/4	2,707.58		
9		9		9		9	5,041.04	9	4,652.71	9	4,263.01	9	3,872.12	9	3,481.22	9	3,090.33	9	2,699.44		
1/4		1/4		1/4		1/4	5,032.95	1/4	4,644.62	1/4	4,254.87	1/4	3,863.98	1/4	3,473.08	1/4	3,082.19	1/4	2,691.30		
1/2		1/2		1/2		1/2	5,024.86	1/2	4,636.53	1/2	4,246.72	1/2	3,855.83	1/2	3,464.94	1/2	3,074.05	1/2	2,683.15		
3/4		3/4		3/4		3/4	5,016.77	3/4	4,628.44	3/4	4,238.58	3/4	3,847.69	3/4	3,456.79	3/4	3,065.90	3/4	2,675.01		
10		10		10		10	5,008.68	10	4,620.35	10	4,230.43	10	3,839.54	10	3,448.65	10	3,057.76	10	2,666.86		
1/4		1/4		1/4		1/4	5,000.59	1/4	4,612.26	1/4	4,222.29	1/4	3,831.40	1/4	3,440.51	1/4	3,049.62	1/4	2,658.72		
1/2		1/2		1/2		1/2	4,992.50	1/2	4,604.17	1/2	4,214.15	1/2	3,823.26	1/2	3,432.36	1/2	3,041.47	1/2	2,650.58		
3/4		3/4		3/4		3/4	4,984.41	3/4	4,596.08	3/4	4,206.00	3/4	3,815.11	3/4	3,424.22	3/4	3,033.33	3/4	2,642.43		
11		11		11		11	4,976.32	11	4,587.99	11	4,197.86	11	3,806.97	11	3,416.07	11	3,025.18	11	2,634.29		
1/4		1/4		1/4		1/4	4,968.23	1/4	4,579.90	1/4	4,189.72	1/4	3,798.83	1/4	3,407.93	1/4	3,017.04	1/4	2,626.15		
1/2		1/2		1/2		1/2	5,319.08	1/2	4,960.14	1/2	4,571.81	1/2	4,181.58	1/2	3,790.68	1/2	3,399.79	1/2	3,008.90	1/2	2,618.00
3/4		3/4		3/4		3/4	5,314.94	3/4	4,952.05	3/4	4,563.72	3/4	4,173.43	3/4	3,782.54	3/4	3,391.64	3/4	3,000.75	3/4	2,609.86

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 11'-03" OFF CENTERLINE AND 43' 09" 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 29702B"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

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	2,601.71	0	2,210.82	0	1,820.01	0	1,429.17	0	1,038.42	0	656.56	0	270.32	0		0		0	
1/4	2,593.57	1/4	2,202.68	1/4	1,811.87	1/4	1,421.03	1/4	1,030.28	1/4	648.93	1/4	262.19	1/4	1/4	1/4		1/4	
1/2	2,585.43	1/2	2,194.54	1/2	1,803.73	1/2	1,412.89	1/2	1,022.14	1/2	641.30	1/2	254.05	1/2	1/2	1/2		1/2	
3/4	2,577.28	3/4	2,186.39	3/4	1,795.59	3/4	1,404.75	3/4	1,013.99	3/4	633.67	3/4	245.91	3/4	3/4	3/4		3/4	
1	2,569.14	1	2,178.25	1	1,787.45	1	1,396.61	1	1,005.85	1	626.04	1	237.78	1	1	1		1	
1/4	2,561.00	1/4	2,170.11	1/4	1,779.31	1/4	1,388.47	1/4	997.71	1/4	618.41	1/4	229.64	1/4	1/4	1/4		1/4	
1/2	2,552.86	1/2	2,161.96	1/2	1,771.17	1/2	1,380.33	1/2	989.57	1/2	610.62	1/2	221.50	1/2	1/2	1/2		1/2	
3/4	2,544.71	3/4	2,153.82	3/4	1,763.02	3/4	1,372.19	3/4	981.42	3/4	602.83	3/4	213.37	3/4	3/4	3/4		3/4	
2	2,536.57	2	2,145.67	2	1,754.88	2	1,364.05	2	973.28	2	595.05	2	205.23	2	2	2		2	
1/4	2,528.43	1/4	2,137.53	1/4	1,746.74	1/4	1,355.91	1/4	965.14	1/4	587.26	1/4	197.10	1/4	1/4	1/4		1/4	
1/2	2,520.28	1/2	2,129.39	1/2	1,738.60	1/2	1,347.77	1/2	957.00	1/2	579.22	1/2	189.23	1/2	1/2	1/2		1/2	
3/4	2,512.14	3/4	2,121.24	3/4	1,730.45	3/4	1,339.63	3/4	948.86	3/4	571.18	3/4	181.35	3/4	3/4	3/4		3/4	
3	2,503.99	3	2,113.10	3	1,722.31	3	1,331.49	3	940.72	3	563.14	3	173.48	3	3	3		3	
1/4	2,495.85	1/4	2,104.96	1/4	1,714.17	1/4	1,323.35	1/4	932.58	1/4	555.10	1/4	165.61	1/4	1/4	1/4		1/4	
1/2	2,487.71	1/2	2,096.81	1/2	1,706.02	1/2	1,315.21	1/2	924.44	1/2	546.96	1/2	157.90	1/2	1/2	1/2		1/2	
3/4	2,479.56	3/4	2,088.67	3/4	1,697.88	3/4	1,307.07	3/4	916.29	3/4	538.82	3/4	150.18	3/4	3/4	3/4		3/4	
4	2,471.42	4	2,080.52	4	1,689.73	4	1,298.93	4	908.15	4	530.69	4	142.47	4	4	4		4	
1/4	2,463.28	1/4	2,072.38	1/4	1,681.59	1/4	1,290.79	1/4	900.01	1/4	522.55	1/4	134.76	1/4	1/4	1/4		1/4	
1/2	2,455.13	1/2	2,064.24	1/2	1,673.44	1/2	1,282.65	1/2	891.87	1/2	514.41	1/2	127.04	1/2	1/2	1/2		1/2	
3/4	2,446.99	3/4	2,056.09	3/4	1,665.30	3/4	1,274.50	3/4	883.72	3/4	506.28	3/4	119.33	3/4	3/4	3/4		3/4	
5	2,438.84	5	2,047.95	5	1,657.15	5	1,266.36	5	875.58	5	498.14	5	111.61	5	5	5		5	
1/4	2,430.70	1/4	2,039.81	1/4	1,649.01	1/4	1,258.22	1/4	867.44	1/4	490.01	1/4	103.90	1/4	1/4	1/4		1/4	
1/2	2,422.56	1/2	2,031.67	1/2	1,640.87	1/2	1,250.08	1/2	859.29	1/2	481.87	1/2	96.19	1/2	1/2	1/2		1/2	
3/4	2,414.41	3/4	2,023.52	3/4	1,632.72	3/4	1,241.94	3/4	851.15	3/4	473.73	3/4	88.48	3/4	3/4	3/4		3/4	
6	2,406.27	6	2,015.38	6	1,624.58	6	1,233.80	6	843.00	6	465.60	6	80.77	6	6	6		6	
1/4	2,398.13	1/4	2,007.24	1/4	1,616.44	1/4	1,225.66	1/4	834.86	1/4	457.46	1/4	73.06	1/4	1/4	1/4		1/4	
1/2	2,389.98	1/2	1,999.09	1/2	1,608.29	1/2	1,217.52	1/2	826.72	1/2	449.32	1/2	65.97	1/2	1/2	1/2		1/2	
3/4	2,381.84	3/4	1,990.95	3/4	1,600.15	3/4	1,209.38	3/4	818.57	3/4	441.19	3/4	58.89	3/4	3/4	3/4		3/4	
7	2,373.69	7	1,982.80	7	1,592.00	7	1,201.24	7	810.43	7	433.05	7	51.80	7	7	7		7	
1/4	2,365.55	1/4	1,974.66	1/4	1,583.86	1/4	1,193.10	1/4	802.29	1/4	424.92	1/4	44.72	1/4	1/4	1/4		1/4	
1/2	2,357.41	1/2	1,966.52	1/2	1,575.72	1/2	1,184.96	1/2	794.47	1/2	416.78	1/2	39.30	1/2	1/2	1/2		1/2	
3/4	2,349.26	3/4	1,958.38	3/4	1,567.57	3/4	1,176.82	3/4	786.64	3/4	408.64	3/4	33.87	3/4	3/4	3/4		3/4	
8	2,341.12	8	1,950.24	8	1,559.43	8	1,168.68	8	778.82	8	400.51	8	28.45	8	8	8		8	
1/4	2,332.98	1/4	1,942.10	1/4	1,551.29	1/4	1,160.54	1/4	771.00	1/4	392.37	1/4	23.03	1/4	1/4	1/4		1/4	
1/2	2,324.84	1/2	1,933.96	1/2	1,543.15	1/2	1,152.40	1/2	763.37	1/2	384.23	1/2		1/2	1/2	1/2		1/2	
3/4	2,316.69	3/4	1,925.82	3/4	1,535.00	3/4	1,144.26	3/4	755.74	3/4	376.09	3/4		3/4	3/4	3/4		3/4	
9	2,308.55	9	1,917.68	9	1,526.86	9	1,136.12	9	748.11	9	367.96	9		9	9	9		9	
1/4	2,300.41	1/4	1,909.54	1/4	1,518.72	1/4	1,127.98	1/4	740.48	1/4	359.82	1/4		1/4	1/4	1/4		1/4	
1/2	2,292.26	1/2	1,901.40	1/2	1,510.58	1/2	1,119.84	1/2	732.85	1/2	351.68	1/2		1/2	1/2	1/2		1/2	
3/4	2,284.12	3/4	1,893.26	3/4	1,502.43	3/4	1,111.69	3/4	725.22	3/4	343.55	3/4		3/4	3/4	3/4		3/4	
10	2,275.97	10	1,885.12	10	1,494.29	10	1,103.55	10	717.59	10	335.41	10		10	10	10		10	
1/4	2,267.83	1/4	1,876.98	1/4	1,486.15	1/4	1,095.41	1/4	709.96	1/4	327.28	1/4		1/4	1/4	1/4		1/4	
1/2	2,259.69	1/2	1,868.84	1/2	1,478.01	1/2	1,087.27	1/2	702.33	1/2	319.14	1/2		1/2	1/2	1/2		1/2	
3/4	2,251.54	3/4	1,860.70	3/4	1,469.87	3/4	1,079.12	3/4	694.70	3/4	311.00	3/4		3/4	3/4	3/4		3/4	
11	2,243.40	11	1,852.56	11	1,461.73	11	1,070.98	11	687.08	11	302.87	11		11	11	11		11	
1/4	2,235.26	1/4	1,844.42	1/4	1,453.59	1/4	1,062.84	1/4	679.45	1/4	294.73	1/4		1/4	1/4	1/4		1/4	
1/2	2,227.11	1/2	1,836.28	1/2	1,445.45	1/2	1,054.70	1/2	671.82	1/2	286.59	1/2		1/2	1/2	1/2		1/2	
3/4	2,218.97	3/4	1,828.14	3/4	1,437.31	3/4	1,046.56	3/4	664.19	3/4	278.46	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2001 ITS  
DECK MEASUREMENTS: 07/31/2019 PMA  
VERIFIED: 05/28/2024 CL

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 29702B"

## 1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

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	5,313.02	0	4,945.98	0	4,557.45	0	4,166.91	0	3,775.82	0	3,384.73	0	2,993.64		
1/4		1/4		1/4		1/4	5,308.88	1/4	4,937.89	1/4	4,549.36	1/4	4,158.76	1/4	3,767.67	1/4	3,376.58	1/4	2,985.49		
1/2		1/2		1/2		1/2	5,303.39	1/2	4,929.80	1/2	4,541.27	1/2	4,150.61	1/2	3,759.52	1/2	3,368.43	1/2	2,977.34		
3/4		3/4		3/4		3/4	5,297.89	3/4	4,921.70	3/4	4,533.17	3/4	4,142.46	3/4	3,751.37	3/4	3,360.28	3/4	2,969.19		
1		1		1		1	5,292.40	1	4,913.61	1	4,525.08	1	4,134.32	1	3,743.23	1	3,352.14	1	2,961.05		
1/4		1/4		1/4		1/4	5,286.90	1/4	4,905.51	1/4	4,516.98	1/4	4,126.17	1/4	3,735.08	1/4	3,343.99	1/4	2,952.90		
1/2		1/2		1/2		1/2	5,280.05	1/2	4,897.42	1/2	4,508.88	1/2	4,118.02	1/2	3,726.93	1/2	3,335.84	1/2	2,944.75		
3/4		3/4		3/4		3/4	5,273.20	3/4	4,889.32	3/4	4,500.79	3/4	4,109.87	3/4	3,718.78	3/4	3,327.69	3/4	2,936.60		
2		2		2		2	5,266.34	2	4,881.23	2	4,492.69	2	4,101.73	2	3,710.64	2	3,319.55	2	2,928.46		
1/4		1/4		1/4		1/4	5,259.49	1/4	4,873.13	1/4	4,484.60	1/4	4,093.58	1/4	3,702.49	1/4	3,311.40	1/4	2,920.31		
1/2		1/2		1/2		1/2	5,251.71	1/2	4,865.04	1/2	4,476.47	1/2	4,085.43	1/2	3,694.34	1/2	3,303.25	1/2	2,912.16		
3/4		3/4		3/4		3/4	5,243.92	3/4	4,856.94	3/4	4,468.34	3/4	4,077.28	3/4	3,686.19	3/4	3,295.10	3/4	2,904.01		
3		3		3		3	5,236.14	3	4,848.85	3	4,460.21	3	4,069.14	3	3,678.05	3	3,286.96	3	2,895.87		
1/4		1/4		1/4		1/4	5,228.35	1/4	4,840.75	1/4	4,452.08	1/4	4,060.99	1/4	3,669.90	1/4	3,278.81	1/4	2,887.72		
1/2		1/2		1/2		1/2	5,220.31	1/2	4,832.66	1/2	4,443.93	1/2	4,052.84	1/2	3,661.75	1/2	3,270.66	1/2	2,879.57		
3/4		3/4		3/4		3/4	5,212.27	3/4	4,824.57	3/4	4,435.78	3/4	4,044.69	3/4	3,653.60	3/4	3,262.51	3/4	2,871.42		
4		4		4		4	5,204.22	4	4,816.47	4	4,427.63	4	4,036.55	4	3,645.46	4	3,254.37	4	2,863.28		
1/4		1/4		1/4		1/4	5,196.18	1/4	4,808.38	1/4	4,419.48	1/4	4,028.40	1/4	3,637.31	1/4	3,246.22	1/4	2,855.13		
1/2		1/2		1/2		1/2	5,188.14	1/2	4,800.29	1/2	4,411.33	1/2	4,020.25	1/2	3,629.16	1/2	3,238.07	1/2	2,846.98		
3/4		3/4		3/4		3/4	5,180.10	3/4	4,792.19	3/4	4,403.18	3/4	4,012.10	3/4	3,621.01	3/4	3,229.92	3/4	2,838.83		
5		5		5		5	5,172.06	5	4,784.10	5	4,395.04	5	4,003.95	5	3,612.86	5	3,221.78	5	2,830.69		
1/4		1/4		1/4		1/4	5,164.02	1/4	4,776.00	1/4	4,386.89	1/4	3,995.80	1/4	3,604.71	1/4	3,213.63	1/4	2,822.54		
1/2		1/2		1/2		1/2	5,155.98	1/2	4,767.91	1/2	4,378.74	1/2	3,987.65	1/2	3,596.56	1/2	3,205.48	1/2	2,814.39		
3/4		3/4		3/4		3/4	5,147.94	3/4	4,759.81	3/4	4,370.59	3/4	3,979.50	3/4	3,588.41	3/4	3,197.33	3/4	2,806.24		
6		6		6		6	5,139.90	6	4,751.72	6	4,362.45	6	3,971.36	6	3,580.27	6	3,189.18	6	2,798.09		
1/4		1/4		1/4		1/4	5,131.86	1/4	4,743.62	1/4	4,354.30	1/4	3,963.21	1/4	3,572.12	1/4	3,181.03	1/4	2,789.94		
1/2		1/2		1/2		1/2	5,123.82	1/2	4,735.53	1/2	4,346.15	1/2	3,955.06	1/2	3,563.97	1/2	3,172.88	1/2	2,781.79		
3/4		3/4		3/4		3/4	5,115.78	3/4	4,727.43	3/4	4,338.00	3/4	3,946.91	3/4	3,555.82	3/4	3,164.73	3/4	2,773.64		
7		7		7		7	5,107.73	7	4,719.34	7	4,329.86	7	3,938.77	7	3,547.68	7	3,156.59	7	2,765.50		
1/4		1/4		1/4		1/4	5,099.69	1/4	4,711.24	1/4	4,321.71	1/4	3,930.62	1/4	3,539.53	1/4	3,148.44	1/4	2,757.35		
1/2		1/2		1/2		1/2	5,091.62	1/2	4,703.15	1/2	4,313.56	1/2	3,922.47	1/2	3,531.38	1/2	3,140.29	1/2	2,749.20		
3/4		3/4		3/4		3/4	5,083.55	3/4	4,695.06	3/4	4,305.41	3/4	3,914.32	3/4	3,523.23	3/4	3,132.14	3/4	2,741.05		
8		8		8		8	5,075.47	8	4,686.96	8	4,297.27	8	3,906.18	8	3,515.09	8	3,124.00	8	2,732.91		
1/4		1/4		1/4		1/4	5,067.40	1/4	4,678.87	1/4	4,289.12	1/4	3,898.03	1/4	3,506.94	1/4	3,115.85	1/4	2,724.76		
1/2		1/2		1/2		1/2	5,059.31	1/2	4,670.78	1/2	4,280.97	1/2	3,889.88	1/2	3,498.79	1/2	3,107.70	1/2	2,716.61		
3/4		3/4		3/4		3/4	5,051.21	3/4	4,662.68	3/4	4,272.82	3/4	3,881.73	3/4	3,490.64	3/4	3,099.55	3/4	2,708.46		
9		9		9		9	5,043.12	9	4,654.59	9	4,264.68	9	3,873.59	9	3,482.50	9	3,091.41	9	2,700.32		
1/4		1/4		1/4		1/4	5,035.02	1/4	4,646.49	1/4	4,256.53	1/4	3,865.44	1/4	3,474.35	1/4	3,083.26	1/4	2,692.17		
1/2		1/2		1/2		1/2	5,026.93	1/2	4,638.40	1/2	4,248.38	1/2	3,857.29	1/2	3,466.20	1/2	3,075.11	1/2	2,684.02		
3/4		3/4		3/4		3/4	5,018.83	3/4	4,630.30	3/4	4,240.23	3/4	3,849.14	3/4	3,458.05	3/4	3,066.96	3/4	2,675.87		
10		10		10		10	5,010.74	10	4,622.21	10	4,232.09	10	3,841.00	10	3,449.91	10	3,058.82	10	2,667.73		
1/4		1/4		1/4		1/4	5,002.64	1/4	4,614.11	1/4	4,223.94	1/4	3,832.85	1/4	3,441.76	1/4	3,050.67	1/4	2,659.58		
1/2		1/2		1/2		1/2	4,994.55	1/2	4,606.02	1/2	4,215.79	1/2	3,824.70	1/2	3,433.61	1/2	3,042.52	1/2	2,651.43		
3/4		3/4		3/4		3/4	4,986.45	3/4	4,597.92	3/4	4,207.64	3/4	3,816.55	3/4	3,425.46	3/4	3,034.37	3/4	2,643.28		
11		11		11		11	4,978.36	11	4,589.83	11	4,199.50	11	3,808.41	11	3,417.32	11	3,026.23	11	2,635.14		
1/4		1/4		3/8		3/8	5,323.36	1/4	4,970.26	1/4	4,581.73	1/4	4,191.35	1/4	3,800.26	1/4	3,409.17	1/4	3,018.08	1/4	2,626.99
1/2		1/2		1/2		1/2	5,321.29	1/2	4,962.17	1/2	4,573.64	1/2	4,183.20	1/2	3,792.11	1/2	3,401.02	1/2	3,009.93	1/2	2,618.84
3/4		3/4		3/4		3/4	5,317.15	3/4	4,954.08	3/4	4,565.55	3/4	4,175.05	3/4	3,783.96	3/4	3,392.87	3/4	3,001.78	3/4	2,610.69

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 11'-03" OFF CENTERLINE AND 43' 09" 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 29702B"

## 1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

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	2,602.55	0	2,211.46	0	1,820.86	0	1,429.96	0	1,038.96	0	656.90	0	270.47	0		0		0	
1/4	2,594.40	1/4	2,203.31	1/4	1,812.74	1/4	1,421.82	1/4	1,030.81	1/4	649.27	1/4	262.33	1/4	1/4	1/4		1/4	
1/2	2,586.25	1/2	2,195.16	1/2	1,804.62	1/2	1,413.67	1/2	1,022.66	1/2	641.63	1/2	254.19	1/2	1/2	1/2		1/2	
3/4	2,578.10	3/4	2,187.01	3/4	1,796.50	3/4	1,405.52	3/4	1,014.52	3/4	634.00	3/4	246.04	3/4	3/4	3/4		3/4	
1	2,569.96	1	2,178.87	1	1,788.38	1	1,397.38	1	1,006.37	1	626.36	1	237.90	1	1	1		1	
1/4	2,561.81	1/4	2,170.72	1/4	1,780.26	1/4	1,389.23	1/4	998.23	1/4	618.73	1/4	229.76	1/4	1/4	1/4		1/4	
1/2	2,553.66	1/2	2,162.57	1/2	1,772.12	1/2	1,381.08	1/2	990.08	1/2	610.94	1/2	221.62	1/2	1/2	1/2		1/2	
3/4	2,545.51	3/4	2,154.42	3/4	1,763.98	3/4	1,372.94	3/4	981.94	3/4	603.15	3/4	213.48	3/4	3/4	3/4		3/4	
2	2,537.37	2	2,146.28	2	1,755.85	2	1,364.79	2	973.79	2	595.36	2	205.34	2	2	2		2	
1/4	2,529.22	1/4	2,138.13	1/4	1,747.71	1/4	1,356.65	1/4	965.65	1/4	587.57	1/4	197.20	1/4	1/4	1/4		1/4	
1/2	2,521.07	1/2	2,129.98	1/2	1,739.56	1/2	1,348.50	1/2	957.50	1/2	579.52	1/2	189.32	1/2	1/2	1/2		1/2	
3/4	2,512.92	3/4	2,121.83	3/4	1,731.41	3/4	1,340.36	3/4	949.35	3/4	571.47	3/4	181.45	3/4	3/4	3/4		3/4	
3	2,504.78	3	2,113.69	3	1,723.27	3	1,332.21	3	941.21	3	563.43	3	173.57	3	3	3		3	
1/4	2,496.63	1/4	2,105.54	1/4	1,715.12	1/4	1,324.07	1/4	933.06	1/4	555.38	1/4	165.70	1/4	1/4	1/4		1/4	
1/2	2,488.48	1/2	2,097.39	1/2	1,706.97	1/2	1,315.92	1/2	924.91	1/2	547.24	1/2	157.98	1/2	1/2	1/2		1/2	
3/4	2,480.33	3/4	2,089.24	3/4	1,698.82	3/4	1,307.77	3/4	916.77	3/4	539.10	3/4	150.26	3/4	3/4	3/4		3/4	
4	2,472.19	4	2,081.10	4	1,690.68	4	1,299.63	4	908.62	4	530.96	4	142.55	4	4	4		4	
1/4	2,464.04	1/4	2,072.95	1/4	1,682.53	1/4	1,291.48	1/4	900.48	1/4	522.82	1/4	134.83	1/4	1/4	1/4		1/4	
1/2	2,455.89	1/2	2,064.80	1/2	1,674.38	1/2	1,283.33	1/2	892.33	1/2	514.68	1/2	127.11	1/2	1/2	1/2		1/2	
3/4	2,447.74	3/4	2,056.65	3/4	1,666.23	3/4	1,275.19	3/4	884.18	3/4	506.54	3/4	119.39	3/4	3/4	3/4		3/4	
5	2,439.60	5	2,048.51	5	1,658.09	5	1,267.04	5	876.04	5	498.40	5	111.68	5	5	5		5	
1/4	2,431.45	1/4	2,040.36	1/4	1,649.94	1/4	1,258.90	1/4	867.89	1/4	490.26	1/4	103.96	1/4	1/4	1/4		1/4	
1/2	2,423.30	1/2	2,032.21	1/2	1,641.79	1/2	1,250.75	1/2	859.74	1/2	482.12	1/2	96.24	1/2	1/2	1/2		1/2	
3/4	2,415.15	3/4	2,024.06	3/4	1,633.64	3/4	1,242.60	3/4	851.59	3/4	473.98	3/4	88.52	3/4	3/4	3/4		3/4	
6	2,407.01	6	2,015.92	6	1,625.49	6	1,234.46	6	843.45	6	465.84	6	80.81	6	6	6		6	
1/4	2,398.86	1/4	2,007.77	1/4	1,617.34	1/4	1,226.31	1/4	835.30	1/4	457.70	1/4	73.09	1/4	1/4	1/4		1/4	
1/2	2,390.71	1/2	1,999.62	1/2	1,609.19	1/2	1,218.16	1/2	827.15	1/2	449.56	1/2	66.00	1/2	1/2	1/2		1/2	
3/4	2,382.56	3/4	1,991.47	3/4	1,601.04	3/4	1,210.02	3/4	819.00	3/4	441.42	3/4	58.92	3/4	3/4	3/4		3/4	
7	2,374.41	7	1,983.32	7	1,592.90	7	1,201.87	7	810.86	7	433.28	7	51.83	7	7	7		7	
1/4	2,366.26	1/4	1,975.17	1/4	1,584.75	1/4	1,193.73	1/4	802.71	1/4	425.14	1/4	44.75	1/4	1/4	1/4		1/4	
1/2	2,358.11	1/2	1,967.04	1/2	1,576.60	1/2	1,185.58	1/2	794.88	1/2	417.00	1/2	39.32	1/2	1/2	1/2		1/2	
3/4	2,349.96	3/4	1,958.91	3/4	1,568.45	3/4	1,177.43	3/4	787.05	3/4	408.85	3/4	33.88	3/4	3/4	3/4		3/4	
8	2,341.82	8	1,950.78	8	1,560.31	8	1,169.29	8	779.23	8	400.71	8	28.45	8	8	8		8	
1/4	2,333.67	1/4	1,942.65	1/4	1,552.16	1/4	1,161.14	1/4	771.40	1/4	392.57	1/4	23.02	1/4	1/4	1/4		1/4	
1/2	2,325.52	1/2	1,934.53	1/2	1,544.01	1/2	1,152.99	1/2	763.77	1/2	384.43	1/2		1/2	1/2	1/2		1/2	
3/4	2,317.37	3/4	1,926.41	3/4	1,535.86	3/4	1,144.85	3/4	756.13	3/4	376.29	3/4		3/4	3/4	3/4		3/4	
9	2,309.23	9	1,918.29	9	1,527.72	9	1,136.70	9	748.50	9	368.15	9		9	9	9		9	
1/4	2,301.08	1/4	1,910.17	1/4	1,519.57	1/4	1,128.56	1/4	740.87	1/4	360.01	1/4		1/4	1/4	1/4		1/4	
1/2	2,292.93	1/2	1,902.05	1/2	1,511.42	1/2	1,120.41	1/2	733.24	1/2	351.87	1/2		1/2	1/2	1/2		1/2	
3/4	2,284.78	3/4	1,893.93	3/4	1,503.27	3/4	1,112.27	3/4	725.60	3/4	343.73	3/4		3/4	3/4	3/4		3/4	
10	2,276.64	10	1,885.82	10	1,495.13	10	1,104.12	10	717.97	10	335.59	10		10	10	10		10	
1/4	2,268.49	1/4	1,877.70	1/4	1,486.98	1/4	1,095.98	1/4	710.34	1/4	327.45	1/4		1/4	1/4	1/4		1/4	
1/2	2,260.34	1/2	1,869.58	1/2	1,478.83	1/2	1,087.83	1/2	702.70	1/2	319.31	1/2		1/2	1/2	1/2		1/2	
3/4	2,252.19	3/4	1,861.46	3/4	1,470.69	3/4	1,079.69	3/4	695.07	3/4	311.17	3/4		3/4	3/4	3/4		3/4	
11	2,244.05	11	1,853.34	11	1,462.54	11	1,071.54	11	687.43	11	303.03	11		11	11	11		11	
1/4	2,235.90	1/4	1,845.22	1/4	1,454.40	1/4	1,063.40	1/4	679.80	1/4	294.89	1/4		1/4	1/4	1/4		1/4	
1/2	2,227.75	1/2	1,837.10	1/2	1,446.25	1/2	1,055.25	1/2	672.17	1/2	286.75	1/2		1/2	1/2	1/2		1/2	
3/4	2,219.60	3/4	1,828.98	3/4	1,438.11	3/4	1,047.10	3/4	664.53	3/4	278.61	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2001 ITS  
DECK MEASUREMENTS: 07/31/2019 PMA  
VERIFIED: 05/28/2024 CL

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 29702B"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

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	5,215.90	0	4,855.60	0	4,474.16	0	4,090.71	0	3,706.71	0	3,322.72	0	2,938.72		
1/4		1/4		1/4		1/4	5,211.84	1/4	4,847.65	1/4	4,466.21	1/4	4,082.71	1/4	3,698.71	1/4	3,314.72	1/4	2,930.72		
1/2		1/2		1/2		1/2	5,206.45	1/2	4,839.70	1/2	4,458.26	1/2	4,074.71	1/2	3,690.71	1/2	3,306.72	1/2	2,922.72		
3/4		3/4		3/4		3/4	5,201.05	3/4	4,831.76	3/4	4,450.32	3/4	4,066.71	3/4	3,682.71	3/4	3,298.72	3/4	2,914.72		
1		1		1		1	5,195.66	1	4,823.81	1	4,442.37	1	4,058.71	1	3,674.71	1	3,290.72	1	2,906.72		
1/4		1/4		1/4		1/4	5,190.26	1/4	4,815.86	1/4	4,434.42	1/4	4,050.71	1/4	3,666.71	1/4	3,282.72	1/4	2,898.72		
1/2		1/2		1/2		1/2	5,183.54	1/2	4,807.91	1/2	4,426.47	1/2	4,042.71	1/2	3,658.71	1/2	3,274.72	1/2	2,890.72		
3/4		3/4		3/4		3/4	5,176.81	3/4	4,799.97	3/4	4,418.53	3/4	4,034.71	3/4	3,650.71	3/4	3,266.72	3/4	2,882.72		
2		2		2		2	5,170.09	2	4,792.02	2	4,410.59	2	4,026.71	2	3,642.71	2	3,258.72	2	2,874.72		
1/4		1/4		1/4		1/4	5,163.36	1/4	4,784.07	1/4	4,402.64	1/4	4,018.71	1/4	3,634.71	1/4	3,250.72	1/4	2,866.72		
1/2		1/2		1/2		1/2	5,155.72	1/2	4,776.13	1/2	4,394.66	1/2	4,010.71	1/2	3,626.71	1/2	3,242.72	1/2	2,858.72		
3/4		3/4		3/4		3/4	5,148.08	3/4	4,768.18	3/4	4,386.67	3/4	4,002.71	3/4	3,618.71	3/4	3,234.72	3/4	2,850.72		
3		3		3		3	5,140.43	3	4,760.24	3	4,378.69	3	3,994.71	3	3,610.71	3	3,226.72	3	2,842.72		
1/4		1/4		1/4		1/4	5,132.79	1/4	4,752.29	1/4	4,370.70	1/4	3,986.71	1/4	3,602.71	1/4	3,218.72	1/4	2,834.72		
1/2		1/2		1/2		1/2	5,124.90	1/2	4,744.34	1/2	4,362.70	1/2	3,978.71	1/2	3,594.71	1/2	3,210.72	1/2	2,826.72		
3/4		3/4		3/4		3/4	5,117.00	3/4	4,736.40	3/4	4,354.70	3/4	3,970.71	3/4	3,586.71	3/4	3,202.72	3/4	2,818.72		
4		4		4		4	5,109.11	4	4,728.45	4	4,346.70	4	3,962.71	4	3,578.71	4	3,194.72	4	2,810.72		
1/4		1/4		1/4		1/4	5,101.21	1/4	4,720.50	1/4	4,338.70	1/4	3,954.71	1/4	3,570.71	1/4	3,186.72	1/4	2,802.72		
1/2		1/2		1/2		1/2	5,093.32	1/2	4,712.56	1/2	4,330.70	1/2	3,946.71	1/2	3,562.71	1/2	3,178.72	1/2	2,794.72		
3/4		3/4		3/4		3/4	5,085.43	3/4	4,704.61	3/4	4,322.70	3/4	3,938.71	3/4	3,554.71	3/4	3,170.72	3/4	2,786.72		
5		5		5		5	5,077.53	5	4,696.67	5	4,314.70	5	3,930.71	5	3,546.71	5	3,162.72	5	2,778.72		
1/4		1/4		1/4		1/4	5,069.64	1/4	4,688.72	1/4	4,306.70	1/4	3,922.71	1/4	3,538.71	1/4	3,154.72	1/4	2,770.72		
1/2		1/2		1/2		1/2	5,061.75	1/2	4,680.77	1/2	4,298.70	1/2	3,914.71	1/2	3,530.71	1/2	3,146.72	1/2	2,762.72		
3/4		3/4		3/4		3/4	5,053.86	3/4	4,672.83	3/4	4,290.70	3/4	3,906.71	3/4	3,522.71	3/4	3,138.72	3/4	2,754.72		
6		6		6		6	5,045.96	6	4,664.88	6	4,282.70	6	3,898.71	6	3,514.71	6	3,130.72	6	2,746.72		
1/4		1/4		1/4		1/4	5,038.07	1/4	4,656.93	1/4	4,274.70	1/4	3,890.71	1/4	3,506.71	1/4	3,122.72	1/4	2,738.72		
1/2		1/2		1/2		1/2	5,030.18	1/2	4,648.98	1/2	4,266.70	1/2	3,882.71	1/2	3,498.71	1/2	3,114.72	1/2	2,730.72		
3/4		3/4		3/4		3/4	5,022.29	3/4	4,641.04	3/4	4,258.70	3/4	3,874.71	3/4	3,490.71	3/4	3,106.72	3/4	2,722.72		
7		7		7		7	5,014.39	7	4,633.09	7	4,250.70	7	3,866.71	7	3,482.71	7	3,098.72	7	2,714.72		
1/4		1/4		1/4		1/4	5,006.50	1/4	4,625.14	1/4	4,242.70	1/4	3,858.71	1/4	3,474.71	1/4	3,090.72	1/4	2,706.72		
1/2		1/2		1/2		1/2	4,998.57	1/2	4,617.20	1/2	4,234.70	1/2	3,850.71	1/2	3,466.71	1/2	3,082.72	1/2	2,698.72		
3/4		3/4		3/4		3/4	4,990.65	3/4	4,609.25	3/4	4,226.71	3/4	3,842.71	3/4	3,458.71	3/4	3,074.72	3/4	2,690.72		
8		8		8		8	4,982.72	8	4,601.31	8	4,218.71	8	3,834.71	8	3,450.71	8	3,066.72	8	2,682.72		
1/4		1/4		1/4		1/4	4,974.79	1/4	4,593.36	1/4	4,210.71	1/4	3,826.71	1/4	3,442.71	1/4	3,058.72	1/4	2,674.72		
1/2		1/2		1/2		1/2	4,966.85	1/2	4,585.41	1/2	4,202.71	1/2	3,818.71	1/2	3,434.71	1/2	3,050.72	1/2	2,666.72		
3/4		3/4		3/4		3/4	4,958.90	3/4	4,577.47	3/4	4,194.71	3/4	3,810.71	3/4	3,426.72	3/4	3,042.72	3/4	2,658.72		
9		9		9		9	4,950.96	9	4,569.52	9	4,186.71	9	3,802.71	9	3,418.72	9	3,034.72	9	2,650.72		
1/4		1/4		1/4		1/4	4,943.01	1/4	4,561.57	1/4	4,178.71	1/4	3,794.71	1/4	3,410.72	1/4	3,026.72	1/4	2,642.72		
1/2		1/2		1/2		1/2	4,935.06	1/2	4,553.62	1/2	4,170.71	1/2	3,786.71	1/2	3,402.72	1/2	3,018.72	1/2	2,634.72		
3/4		3/4		3/4		3/4	4,927.12	3/4	4,545.68	3/4	4,162.71	3/4	3,778.71	3/4	3,394.72	3/4	3,010.72	3/4	2,626.73		
10		10		10		10	4,919.17	10	4,537.73	10	4,154.71	10	3,770.71	10	3,386.72	10	3,002.72	10	2,618.73		
1/4		1/4		1/4		1/4	4,911.22	1/4	4,529.78	1/4	4,146.71	1/4	3,762.71	1/4	3,378.72	1/4	2,994.72	1/4	2,610.73		
1/2		1/2		1/2		1/2	4,903.27	1/2	4,521.84	1/2	4,138.71	1/2	3,754.71	1/2	3,370.72	1/2	2,986.72	1/2	2,602.73		
3/4		3/4		3/4		3/4	4,895.33	3/4	4,513.89	3/4	4,130.71	3/4	3,746.71	3/4	3,362.72	3/4	2,978.72	3/4	2,594.73		
11		11		11		11	4,887.38	11	4,505.95	11	4,122.71	11	3,738.71	11	3,354.72	11	2,970.72	11	2,586.73		
1/4		1/4		3/8		1/4	5,226.04	1/4	4,879.43	1/4	4,498.00	1/4	4,114.71	1/4	3,730.71	1/4	3,346.72	1/4	2,962.72	1/4	2,578.73
1/2		1/2		1/2		1/2	5,224.01	1/2	4,871.49	1/2	4,490.05	1/2	4,106.71	1/2	3,722.71	1/2	3,338.72	1/2	2,954.72	1/2	2,570.73
3/4		3/4		3/4		3/4	5,219.95	3/4	4,863.54	3/4	4,482.11	3/4	4,098.71	3/4	3,714.71	3/4	3,330.72	3/4	2,946.72	3/4	2,562.73

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 11'-03" OFF CENTERLINE AND 44' 09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29702B"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

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	2,554.73	0	2,170.73	0	1,787.26	0	1,403.50	0	1,019.65	0	644.70	0	265.36	0		0		0	
1/4	2,546.73	1/4	2,162.73	1/4	1,779.29	1/4	1,395.50	1/4	1,011.65	1/4	637.21	1/4	257.37	1/4	1/4	1/4		1/4	
1/2	2,538.73	1/2	2,154.73	1/2	1,771.32	1/2	1,387.51	1/2	1,003.65	1/2	629.73	1/2	249.38	1/2	1/2	1/2		1/2	
3/4	2,530.73	3/4	2,146.73	3/4	1,763.35	3/4	1,379.51	3/4	995.66	3/4	622.24	3/4	241.39	3/4	3/4	3/4		3/4	
1	2,522.73	1	2,138.73	1	1,755.38	1	1,371.52	1	987.66	1	614.76	1	233.39	1	1	1		1	
1/4	2,514.73	1/4	2,130.73	1/4	1,747.41	1/4	1,363.52	1/4	979.66	1/4	607.27	1/4	225.40	1/4	1/4	1/4		1/4	
1/2	2,506.73	1/2	2,122.73	1/2	1,739.42	1/2	1,355.52	1/2	971.66	1/2	599.63	1/2	217.41	1/2	1/2	1/2		1/2	
3/4	2,498.73	3/4	2,114.73	3/4	1,731.44	3/4	1,347.53	3/4	963.67	3/4	591.98	3/4	209.42	3/4	3/4	3/4		3/4	
2	2,490.73	2	2,106.73	2	1,723.45	2	1,339.53	2	955.67	2	584.34	2	201.42	2	2	2		2	
1/4	2,482.73	1/4	2,098.73	1/4	1,715.46	1/4	1,331.53	1/4	947.67	1/4	576.69	1/4	193.43	1/4	1/4	1/4		1/4	
1/2	2,474.73	1/2	2,090.73	1/2	1,707.46	1/2	1,323.53	1/2	939.67	1/2	568.79	1/2	185.70	1/2	1/2	1/2		1/2	
3/4	2,466.73	3/4	2,082.73	3/4	1,699.46	3/4	1,315.54	3/4	931.68	3/4	560.90	3/4	177.98	3/4	3/4	3/4		3/4	
3	2,458.73	3	2,074.73	3	1,691.46	3	1,307.54	3	923.68	3	553.00	3	170.25	3	3	3		3	
1/4	2,450.73	1/4	2,066.73	1/4	1,683.46	1/4	1,299.54	1/4	915.68	1/4	545.10	1/4	162.52	1/4	1/4	1/4		1/4	
1/2	2,442.73	1/2	2,058.73	1/2	1,675.46	1/2	1,291.55	1/2	907.68	1/2	537.11	1/2	154.95	1/2	1/2	1/2		1/2	
3/4	2,434.73	3/4	2,050.73	3/4	1,667.46	3/4	1,283.55	3/4	899.69	3/4	529.12	3/4	147.38	3/4	3/4	3/4		3/4	
4	2,426.73	4	2,042.73	4	1,659.46	4	1,275.56	4	891.69	4	521.12	4	139.81	4	4	4		4	
1/4	2,418.73	1/4	2,034.73	1/4	1,651.46	1/4	1,267.56	1/4	883.69	1/4	513.13	1/4	132.24	1/4	1/4	1/4		1/4	
1/2	2,410.73	1/2	2,026.73	1/2	1,643.46	1/2	1,259.56	1/2	875.69	1/2	505.14	1/2	124.67	1/2	1/2	1/2		1/2	
3/4	2,402.73	3/4	2,018.73	3/4	1,635.46	3/4	1,251.57	3/4	867.69	3/4	497.15	3/4	117.10	3/4	3/4	3/4		3/4	
5	2,394.73	5	2,010.73	5	1,627.46	5	1,243.57	5	859.69	5	489.15	5	109.53	5	5	5		5	
1/4	2,386.73	1/4	2,002.73	1/4	1,619.46	1/4	1,235.57	1/4	851.69	1/4	481.16	1/4	101.96	1/4	1/4	1/4		1/4	
1/2	2,378.73	1/2	1,994.73	1/2	1,611.46	1/2	1,227.58	1/2	843.69	1/2	473.17	1/2	94.39	1/2	1/2	1/2		1/2	
3/4	2,370.73	3/4	1,986.73	3/4	1,603.46	3/4	1,219.58	3/4	835.69	3/4	465.18	3/4	86.83	3/4	3/4	3/4		3/4	
6	2,362.73	6	1,978.73	6	1,595.46	6	1,211.59	6	827.69	6	457.18	6	79.26	6	6	6		6	
1/4	2,354.73	1/4	1,970.73	1/4	1,587.46	1/4	1,203.59	1/4	819.69	1/4	449.19	1/4	71.69	1/4	1/4	1/4		1/4	
1/2	2,346.73	1/2	1,962.73	1/2	1,579.46	1/2	1,195.59	1/2	811.69	1/2	441.20	1/2	64.74	1/2	1/2	1/2		1/2	
3/4	2,338.73	3/4	1,954.73	3/4	1,571.46	3/4	1,187.60	3/4	803.69	3/4	433.21	3/4	57.79	3/4	3/4	3/4		3/4	
7	2,330.73	7	1,946.73	7	1,563.46	7	1,179.60	7	795.69	7	425.21	7	50.84	7	7	7		7	
1/4	2,322.73	1/4	1,938.73	1/4	1,555.46	1/4	1,171.60	1/4	787.69	1/4	417.22	1/4	43.89	1/4	1/4	1/4		1/4	
1/2	2,314.73	1/2	1,930.75	1/2	1,547.46	1/2	1,163.60	1/2	780.01	1/2	409.23	1/2	38.56	1/2	1/2	1/2		1/2	
3/4	2,306.73	3/4	1,922.77	3/4	1,539.46	3/4	1,155.61	3/4	772.34	3/4	401.24	3/4	33.24	3/4	3/4	3/4		3/4	
8	2,298.73	8	1,914.79	8	1,531.46	8	1,147.61	8	764.66	8	393.24	8	27.91	8	8	8		8	
1/4	2,290.73	1/4	1,906.81	1/4	1,523.46	1/4	1,139.61	1/4	756.98	1/4	385.25	1/4	22.58	1/4	1/4	1/4		1/4	
1/2	2,282.73	1/2	1,898.84	1/2	1,515.46	1/2	1,131.62	1/2	749.50	1/2	377.26	1/2		1/2	1/2	1/2		1/2	
3/4	2,274.73	3/4	1,890.87	3/4	1,507.46	3/4	1,123.62	3/4	742.01	3/4	369.27	3/4		3/4	3/4	3/4		3/4	
9	2,266.73	9	1,882.90	9	1,499.46	9	1,115.63	9	734.53	9	361.27	9		9	9	9		9	
1/4	2,258.73	1/4	1,874.93	1/4	1,491.46	1/4	1,107.63	1/4	727.04	1/4	353.28	1/4		1/4	1/4	1/4		1/4	
1/2	2,250.73	1/2	1,866.96	1/2	1,483.46	1/2	1,099.63	1/2	719.55	1/2	345.29	1/2		1/2	1/2	1/2		1/2	
3/4	2,242.73	3/4	1,858.99	3/4	1,475.47	3/4	1,091.64	3/4	712.07	3/4	337.30	3/4		3/4	3/4	3/4		3/4	
10	2,234.73	10	1,851.02	10	1,467.47	10	1,083.64	10	704.58	10	329.30	10		10	10	10		10	
1/4	2,226.73	1/4	1,843.05	1/4	1,459.47	1/4	1,075.64	1/4	697.09	1/4	321.31	1/4		1/4	1/4	1/4		1/4	
1/2	2,218.73	1/2	1,835.08	1/2	1,451.48	1/2	1,067.64	1/2	689.61	1/2	313.32	1/2		1/2	1/2	1/2		1/2	
3/4	2,210.73	3/4	1,827.11	3/4	1,443.48	3/4	1,059.64	3/4	682.12	3/4	305.33	3/4		3/4	3/4	3/4		3/4	
11	2,202.73	11	1,819.14	11	1,435.49	11	1,051.64	11	674.64	11	297.33	11		11	11	11		11	
1/4	2,194.73	1/4	1,811.17	1/4	1,427.49	1/4	1,043.64	1/4	667.15	1/4	289.34	1/4		1/4	1/4	1/4		1/4	
1/2	2,186.73	1/2	1,803.20	1/2	1,419.49	1/2	1,035.64	1/2	659.67	1/2	281.35	1/2		1/2	1/2	1/2		1/2	
3/4	2,178.73	3/4	1,795.23	3/4	1,411.50	3/4	1,027.65	3/4	652.18	3/4	273.36	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2001 ITS  
DECK MEASUREMENTS: 07/31/2019 PMA  
VERIFIED: 05/28/2024 CL

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 29702B"

## 2 STBD

### ULLAGE TABLE

### HERMETIC

#### GAUGE HEIGHT 16'-08 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	5,211.15	0	4,856.09	0	4,475.26	0	4,092.45	0	3,709.04	0	3,325.62	0	2,942.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,207.10	1/4	4,848.17	1/4	4,467.32	1/4	4,084.47	1/4	3,701.06	1/4	3,317.64	1/4	2,934.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,203.04	1/2	4,840.26	1/2	4,459.39	1/2	4,076.48	1/2	3,693.07	1/2	3,309.65	1/2	2,926.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,197.66	3/4	4,832.33	3/4	4,451.45	3/4	4,068.49	3/4	3,685.08	3/4	3,301.66	3/4	2,918.25
1		1		1		1	5,192.27	1	4,824.39	1	4,443.52	1	4,060.50	1	3,677.09	1	3,293.67	1	2,910.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,186.89	1/4	4,816.46	1/4	4,435.58	1/4	4,052.52	1/4	3,669.11	1/4	3,285.69	1/4	2,902.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,181.50	1/2	4,808.52	1/2	4,427.65	1/2	4,044.53	1/2	3,661.12	1/2	3,277.70	1/2	2,894.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,174.79	3/4	4,800.59	3/4	4,419.71	3/4	4,036.54	3/4	3,653.13	3/4	3,269.71	3/4	2,886.30
2		2		2		2	5,168.07	2	4,792.65	2	4,411.78	2	4,028.55	2	3,645.14	2	3,261.72	2	2,878.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,161.36	1/4	4,784.72	1/4	4,403.84	1/4	4,020.57	1/4	3,637.15	1/4	3,253.74	1/4	2,870.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,154.64	1/2	4,776.78	1/2	4,395.91	1/2	4,012.58	1/2	3,629.16	1/2	3,245.75	1/2	2,862.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,147.01	3/4	4,768.85	3/4	4,387.94	3/4	4,004.59	3/4	3,621.17	3/4	3,237.76	3/4	2,854.35
3		3		3		3	5,139.38	3	4,760.91	3	4,379.97	3	3,996.60	3	3,613.18	3	3,229.77	3	2,846.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,131.74	1/4	4,752.98	1/4	4,372.01	1/4	3,988.62	1/4	3,605.20	1/4	3,221.79	1/4	2,838.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,124.11	1/2	4,745.04	1/2	4,364.04	1/2	3,980.63	1/2	3,597.21	1/2	3,213.80	1/2	2,830.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,116.23	3/4	4,737.11	3/4	4,356.05	3/4	3,972.64	3/4	3,589.22	3/4	3,205.81	3/4	2,822.39
4		4		4		4	5,108.35	4	4,729.17	4	4,348.06	4	3,964.65	4	3,581.23	4	3,197.82	4	2,814.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,100.47	1/4	4,721.24	1/4	4,340.08	1/4	3,956.67	1/4	3,573.25	1/4	3,189.84	1/4	2,806.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,092.59	1/2	4,713.30	1/2	4,332.09	1/2	3,948.68	1/2	3,565.26	1/2	3,181.85	1/2	2,798.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,084.71	3/4	4,705.37	3/4	4,324.10	3/4	3,940.69	3/4	3,557.27	3/4	3,173.86	3/4	2,790.44
5		5		5		5	5,076.83	5	4,697.43	5	4,316.11	5	3,932.70	5	3,549.28	5	3,165.87	5	2,782.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,068.94	1/4	4,689.49	1/4	4,308.13	1/4	3,924.72	1/4	3,541.30	1/4	3,157.89	1/4	2,774.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,061.06	1/2	4,681.56	1/2	4,300.14	1/2	3,916.73	1/2	3,533.31	1/2	3,149.90	1/2	2,766.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,053.18	3/4	4,673.62	3/4	4,292.15	3/4	3,908.74	3/4	3,525.32	3/4	3,141.92	3/4	2,758.49
6		6		6		6	5,045.30	6	4,665.69	6	4,284.16	6	3,900.75	6	3,517.33	6	3,133.94	6	2,750.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,037.42	1/4	4,657.75	1/4	4,276.18	1/4	3,892.76	1/4	3,509.35	1/4	3,125.96	1/4	2,742.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,029.54	1/2	4,649.82	1/2	4,268.19	1/2	3,884.77	1/2	3,501.36	1/2	3,117.98	1/2	2,734.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,021.66	3/4	4,641.89	3/4	4,260.20	3/4	3,876.78	3/4	3,493.37	3/4	3,109.98	3/4	2,726.54
7		7		7		7	5,013.78	7	4,633.95	7	4,252.21	7	3,868.79	7	3,485.38	7	3,101.98	7	2,718.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,005.89	1/4	4,626.02	1/4	4,244.23	1/4	3,860.81	1/4	3,477.40	1/4	3,093.99	1/4	2,710.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,998.01	1/2	4,618.09	1/2	4,236.24	1/2	3,852.82	1/2	3,469.41	1/2	3,085.99	1/2	2,702.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,990.13	3/4	4,610.15	3/4	4,228.25	3/4	3,844.83	3/4	3,461.42	3/4	3,078.00	3/4	2,694.59
8		8		8		8	4,982.25	8	4,602.22	8	4,220.26	8	3,836.84	8	3,453.43	8	3,070.01	8	2,686.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,974.37	1/4	4,594.28	1/4	4,212.28	1/4	3,828.86	1/4	3,445.45	1/4	3,062.03	1/4	2,678.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,966.49	1/2	4,586.35	1/2	4,204.29	1/2	3,820.87	1/2	3,437.46	1/2	3,054.04	1/2	2,670.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,958.61	3/4	4,578.41	3/4	4,196.30	3/4	3,812.88	3/4	3,429.47	3/4	3,046.05	3/4	2,662.64
9		9		9		9	4,950.73	9	4,570.48	9	4,188.31	9	3,804.89	9	3,421.48	9	3,038.06	9	2,654.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,942.84	1/4	4,562.54	1/4	4,180.33	1/4	3,796.91	1/4	3,413.50	1/4	3,030.08	1/4	2,646.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,934.96	1/2	4,554.61	1/2	4,172.34	1/2	3,788.92	1/2	3,405.51	1/2	3,022.09	1/2	2,638.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,927.08	3/4	4,546.67	3/4	4,164.35	3/4	3,780.93	3/4	3,397.52	3/4	3,014.10	3/4	2,630.69
10		10		10		10	4,919.20	10	4,538.74	10	4,156.36	10	3,772.94	10	3,389.53	10	3,006.11	10	2,622.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,911.32	1/4	4,530.80	1/4	4,148.37	1/4	3,764.96	1/4	3,381.55	1/4	2,998.13	1/4	2,614.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,903.44	1/2	4,522.87	1/2	4,140.38	1/2	3,756.97	1/2	3,373.56	1/2	2,990.14	1/2	2,606.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,895.56	3/4	4,514.93	3/4	4,132.39	3/4	3,748.98	3/4	3,365.57	3/4	2,982.15	3/4	2,598.74
11		11		11		11	4,887.68	11	4,507.00	11	4,124.40	11	3,740.99	11	3,357.58	11	2,974.16	11	2,590.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,879.79	1/4	4,499.06	1/4	4,116.42	1/4	3,733.01	1/4	3,349.59	1/4	2,966.18	1/4	2,582.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,871.91	1/2	4,491.13	1/2	4,108.43	1/2	3,725.02	1/2	3,341.60	1/2	2,958.19	1/2	2,574.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,864.00	3/4	4,483.19	3/4	4,100.44	3/4	3,717.03	3/4	3,333.61	3/4	2,950.20	3/4	2,566.79

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 11'-03" OFF CENTERLINE AND 44' 09" 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 29702B"

## 2 STBD

### ULLAGE TABLE

### HERMETIC

### GAUGE HEIGHT 16'-08 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,558.80	0	2,175.38	0	1,792.46	0	1,409.31	0	1,026.05	0	651.16	0	272.92	0		0		0	
1/4	2,550.81	1/4	2,167.40	1/4	1,784.51	1/4	1,401.33	1/4	1,018.06	1/4	643.69	1/4	264.94	1/4	1/4		1/4		1/4
1/2	2,542.82	1/2	2,159.41	1/2	1,776.55	1/2	1,393.35	1/2	1,010.08	1/2	636.22	1/2	256.96	1/2	1/2		1/2		1/2
3/4	2,534.83	3/4	2,151.42	3/4	1,768.59	3/4	1,385.36	3/4	1,002.09	3/4	628.75	3/4	248.98	3/4	3/4		3/4		3/4
1	2,526.84	1	2,143.43	1	1,760.63	1	1,377.38	1	994.11	1	621.27	1	241.00	1	1		1		1
1/4	2,518.86	1/4	2,135.45	1/4	1,752.68	1/4	1,369.39	1/4	986.12	1/4	613.80	1/4	233.02	1/4	1/4		1/4		1/4
1/2	2,510.87	1/2	2,127.46	1/2	1,744.72	1/2	1,361.41	1/2	978.14	1/2	606.33	1/2	225.04	1/2	1/2		1/2		1/2
3/4	2,502.88	3/4	2,119.47	3/4	1,736.74	3/4	1,353.42	3/4	970.15	3/4	598.70	3/4	217.06	3/4	3/4		3/4		3/4
2	2,494.89	2	2,111.48	2	1,728.77	2	1,345.44	2	962.16	2	591.06	2	209.08	2	2		2		2
1/4	2,486.91	1/4	2,103.50	1/4	1,720.79	1/4	1,337.45	1/4	954.18	1/4	583.43	1/4	201.10	1/4	1/4		1/4		1/4
1/2	2,478.92	1/2	2,095.51	1/2	1,712.82	1/2	1,329.47	1/2	946.19	1/2	575.80	1/2	193.12	1/2	1/2		1/2		1/2
3/4	2,470.93	3/4	2,087.52	3/4	1,704.83	3/4	1,321.48	3/4	938.20	3/4	567.91	3/4	185.40	3/4	3/4		3/4		3/4
3	2,462.94	3	2,079.53	3	1,696.84	3	1,313.50	3	930.22	3	560.03	3	177.68	3	3		3		3
1/4	2,454.96	1/4	2,071.55	1/4	1,688.85	1/4	1,305.51	1/4	922.23	1/4	552.14	1/4	169.97	1/4	1/4		1/4		1/4
1/2	2,446.97	1/2	2,063.56	1/2	1,680.86	1/2	1,297.53	1/2	914.25	1/2	544.26	1/2	162.25	1/2	1/2		1/2		1/2
3/4	2,438.98	3/4	2,055.57	3/4	1,672.87	3/4	1,289.55	3/4	906.26	3/4	536.28	3/4	154.69	3/4	3/4		3/4		3/4
4	2,430.99	4	2,047.58	4	1,664.88	4	1,281.56	4	898.28	4	528.29	4	147.14	4	4		4		4
1/4	2,423.01	1/4	2,039.59	1/4	1,656.90	1/4	1,273.58	1/4	890.29	1/4	520.31	1/4	139.58	1/4	1/4		1/4		1/4
1/2	2,415.02	1/2	2,031.60	1/2	1,648.91	1/2	1,265.60	1/2	882.31	1/2	512.33	1/2	132.03	1/2	1/2		1/2		1/2
3/4	2,407.03	3/4	2,023.61	3/4	1,640.92	3/4	1,257.61	3/4	874.32	3/4	504.35	3/4	124.47	3/4	3/4		3/4		3/4
5	2,399.04	5	2,015.62	5	1,632.93	5	1,249.63	5	866.33	5	496.37	5	116.91	5	5		5		5
1/4	2,391.06	1/4	2,007.64	1/4	1,624.95	1/4	1,241.64	1/4	858.35	1/4	488.39	1/4	109.36	1/4	1/4		1/4		1/4
1/2	2,383.07	1/2	1,999.65	1/2	1,616.96	1/2	1,233.66	1/2	850.36	1/2	480.41	1/2	101.80	1/2	1/2		1/2		1/2
3/4	2,375.08	3/4	1,991.66	3/4	1,608.97	3/4	1,225.67	3/4	842.37	3/4	472.43	3/4	94.24	3/4	3/4		3/4		3/4
6	2,367.09	6	1,983.67	6	1,600.98	6	1,217.69	6	834.38	6	464.45	6	86.68	6	6		6		6
1/4	2,359.11	1/4	1,975.69	1/4	1,593.00	1/4	1,209.70	1/4	826.40	1/4	456.47	1/4	79.13	1/4	1/4		1/4		1/4
1/2	2,351.12	1/2	1,967.70	1/2	1,585.01	1/2	1,201.72	1/2	818.41	1/2	448.49	1/2	71.57	1/2	1/2		1/2		1/2
3/4	2,343.13	3/4	1,959.71	3/4	1,577.02	3/4	1,193.73	3/4	810.42	3/4	440.51	3/4	64.63	3/4	3/4		3/4		3/4
7	2,335.14	7	1,951.72	7	1,569.03	7	1,185.75	7	802.43	7	432.53	7	57.69	7	7		7		7
1/4	2,327.16	1/4	1,943.74	1/4	1,561.05	1/4	1,177.76	1/4	794.45	1/4	424.55	1/4	50.76	1/4	1/4		1/4		1/4
1/2	2,319.17	1/2	1,935.75	1/2	1,553.06	1/2	1,169.78	1/2	786.46	1/2	416.57	1/2	43.82	1/2	1/2		1/2		1/2
3/4	2,311.18	3/4	1,927.78	3/4	1,545.07	3/4	1,161.79	3/4	778.79	3/4	408.59	3/4	38.50	3/4	3/4		3/4		3/4
8	2,303.19	8	1,919.81	8	1,537.08	8	1,153.81	8	771.12	8	400.61	8	33.18	8	8		8		8
1/4	2,295.20	1/4	1,911.85	1/4	1,529.10	1/4	1,145.82	1/4	763.46	1/4	392.63	1/4	27.87	1/4	1/4		1/4		1/4
1/2	2,287.21	1/2	1,903.88	1/2	1,521.11	1/2	1,137.84	1/2	755.79	1/2	384.65	1/2	22.55	1/2	1/2		1/2		1/2
3/4	2,279.22	3/4	1,895.92	3/4	1,513.12	3/4	1,129.86	3/4	748.32	3/4	376.67	3/4		3/4	3/4		3/4		3/4
9	2,271.23	9	1,887.96	9	1,505.13	9	1,121.87	9	740.84	9	368.69	9		9	9		9		9
1/4	2,263.25	1/4	1,880.01	1/4	1,497.15	1/4	1,113.89	1/4	733.37	1/4	360.71	1/4		1/4	1/4		1/4		1/4
1/2	2,255.26	1/2	1,872.05	1/2	1,489.16	1/2	1,105.91	1/2	725.90	1/2	352.73	1/2		1/2	1/2		1/2		1/2
3/4	2,247.27	3/4	1,864.09	3/4	1,481.17	3/4	1,097.92	3/4	718.43	3/4	344.75	3/4		3/4	3/4		3/4		3/4
10	2,239.28	10	1,856.13	10	1,473.19	10	1,089.94	10	710.95	10	336.77	10		10	10		10		10
1/4	2,231.30	1/4	1,848.17	1/4	1,465.20	1/4	1,081.95	1/4	703.48	1/4	328.79	1/4		1/4	1/4		1/4		1/4
1/2	2,223.31	1/2	1,840.21	1/2	1,457.22	1/2	1,073.97	1/2	696.01	1/2	320.81	1/2		1/2	1/2		1/2		1/2
3/4	2,215.32	3/4	1,832.25	3/4	1,449.23	3/4	1,065.98	3/4	688.53	3/4	312.83	3/4		3/4	3/4		3/4		3/4
11	2,207.33	11	1,824.29	11	1,441.25	11	1,057.99	11	681.06	11	304.84	11		11	11		11		11
1/4	2,199.35	1/4	1,816.34	1/4	1,433.26	1/4	1,050.01	1/4	673.58	1/4	296.86	1/4		1/4	1/4		1/4		1/4
1/2	2,191.36	1/2	1,808.38	1/2	1,425.28	1/2	1,042.02	1/2	666.11	1/2	288.88	1/2		1/2	1/2		1/2		1/2
3/4	2,183.37	3/4	1,800.42	3/4	1,417.30	3/4	1,034.03	3/4	658.64	3/4	280.90	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2001 ITS  
DECK MEASUREMENTS: 07/31/2019 PMA  
VERIFIED: 05/28/2024 CL

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 29702B"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

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	3,994.84	0	3,803.20	0	3,610.95	0	3,392.32	0	3,036.67	0	2,678.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,181.26	1/4	3,990.85	1/4	3,799.20	1/4	3,606.94	1/4	3,385.41	1/4	3,029.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,177.45	1/2	3,986.85	1/2	3,795.20	1/2	3,602.94	1/2	3,378.49	1/2	3,021.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,173.63	3/4	3,982.86	3/4	3,791.20	3/4	3,598.93	3/4	3,371.58	3/4	3,014.25
1	1	1	1	1	1	1	1	1	4,169.69	1	3,978.87	1	3,777.20	1	3,594.93	1	3,364.27	1	3,006.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,165.74	1/4	3,974.88	1/4	3,783.19	1/4	3,590.92	1/4	3,356.96	1/4	2,999.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,161.80	1/2	3,970.88	1/2	3,779.19	1/2	3,586.92	1/2	3,349.64	1/2	2,991.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,157.85	3/4	3,966.89	3/4	3,775.18	3/4	3,582.91	3/4	3,342.33	3/4	2,984.37
2	2	2	2	2	2	2	2	2	4,153.91	2	3,962.90	2	3,771.17	2	3,578.90	2	3,334.91	2	2,976.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,149.97	1/4	3,958.91	1/4	3,767.17	1/4	3,574.90	1/4	3,327.49	1/4	2,969.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,146.02	1/2	3,954.91	1/2	3,763.16	1/2	3,570.89	1/2	3,320.06	1/2	2,961.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,142.08	3/4	3,950.92	3/4	3,759.15	3/4	3,566.88	3/4	3,312.64	3/4	2,954.48
3	3	3	3	3	3	3	3	3	4,138.14	3	3,946.93	3	3,755.15	3	3,562.88	3	3,305.22	3	2,947.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,134.20	1/4	3,942.94	1/4	3,751.14	1/4	3,558.87	1/4	3,297.80	1/4	2,939.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,130.25	1/2	3,938.94	1/2	3,747.14	1/2	3,554.87	1/2	3,290.37	1/2	2,932.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,126.31	3/4	3,934.95	3/4	3,743.13	3/4	3,550.86	3/4	3,282.95	3/4	2,924.60
4	4	4	4	4	4	4	4	4	4,122.37	4	3,930.96	4	3,739.13	4	3,546.86	4	3,275.53	4	2,917.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,118.43	1/4	3,926.97	1/4	3,735.12	1/4	3,542.85	1/4	3,268.11	1/4	2,909.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,114.48	1/2	3,922.97	1/2	3,731.12	1/2	3,538.85	1/2	3,260.68	1/2	2,902.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,110.54	3/4	3,918.98	3/4	3,727.11	3/4	3,534.84	3/4	3,253.26	3/4	2,894.71
5	5	5	5	5	5	5	5	5	4,106.57	5	3,914.99	5	3,723.11	5	3,530.84	5	3,245.81	5	2,887.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,102.59	1/4	3,911.00	1/4	3,719.10	1/4	3,526.83	1/4	3,238.36	1/4	2,879.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,098.62	1/2	3,907.00	1/2	3,715.10	1/2	3,522.83	1/2	3,230.90	1/2	2,872.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,094.64	3/4	3,903.01	3/4	3,711.09	3/4	3,518.82	3/4	3,223.45	3/4	2,864.83
6	6	6	6	6	6	6	6	6	4,090.65	6	3,899.02	6	3,707.08	6	3,514.86	6	3,215.98	6	2,857.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,086.66	1/4	3,895.03	1/4	3,703.08	1/4	3,510.91	1/4	3,208.51	1/4	2,849.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,082.66	1/2	3,891.03	1/2	3,699.07	1/2	3,506.95	1/2	3,201.04	1/2	2,842.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,078.67	3/4	3,887.04	3/4	3,695.06	3/4	3,502.99	3/4	3,193.57	3/4	2,834.94
7	7	7	7	7	7	7	7	7	4,074.68	7	3,883.05	7	3,691.06	7	3,498.88	7	3,186.10	7	2,827.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,070.69	1/4	3,879.06	1/4	3,687.05	1/4	3,494.77	1/4	3,178.63	1/4	2,820.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,066.70	1/2	3,875.06	1/2	3,683.05	1/2	3,490.65	1/2	3,171.15	1/2	2,812.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,062.71	3/4	3,871.07	3/4	3,679.04	3/4	3,486.54	3/4	3,163.68	3/4	2,805.06
8	8	8	8	8	8	8	8	8	4,058.72	8	3,867.08	8	3,675.04	8	3,481.96	8	3,156.21	8	2,797.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,054.73	1/4	3,863.09	1/4	3,671.03	1/4	3,477.38	1/4	3,148.74	1/4	2,790.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,050.73	1/2	3,859.10	1/2	3,667.03	1/2	3,472.79	1/2	3,141.26	1/2	2,782.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,046.74	3/4	3,855.11	3/4	3,663.02	3/4	3,468.21	3/4	3,133.79	3/4	2,775.17
9	9	9	9	9	9	9	9	9	4,042.75	9	3,851.12	9	3,659.02	9	3,463.05	9	3,126.32	9	2,767.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,038.76	1/4	3,847.13	1/4	3,655.01	1/4	3,457.88	1/4	3,118.85	1/4	2,760.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,034.76	1/2	3,843.13	1/2	3,651.01	1/2	3,452.72	1/2	3,111.38	1/2	2,752.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,030.77	3/4	3,839.14	3/4	3,647.00	3/4	3,447.55	3/4	3,103.91	3/4	2,745.29
10	10	10	10	10	10	10	10	10	4,026.78	10	3,835.15	10	3,642.99	10	3,441.80	10	3,096.44	10	2,737.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,022.79	1/4	3,831.16	1/4	3,638.99	1/4	3,436.05	1/4	3,088.97	1/4	2,730.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,018.79	1/2	3,827.16	1/2	3,634.98	1/2	3,430.30	1/2	3,081.49	1/2	2,722.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,014.80	3/4	3,823.17	3/4	3,630.97	3/4	3,424.55	3/4	3,074.02	3/4	2,715.40
11	11	11	11	11	11	11	11	11	4,010.81	11	3,819.18	11	3,626.97	11	3,418.22	11	3,066.55	11	2,707.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,006.82	1/4	3,815.19	1/4	3,622.96	1/4	3,411.89	1/4	3,059.08	1/4	2,700.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,002.82	1/2	3,811.19	1/2	3,618.96	1/2	3,405.56	1/2	3,051.61	1/2	2,692.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,998.83	3/4	3,807.20	3/4	3,614.95	3/4	3,399.23	3/4	3,044.14	3/4	2,685.52

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 11'-03" OFF CENTERLINE AND 44' 03" 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 29702B"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,318.13	0	1,958.32	0	1,598.99	0	1,239.09	0	879.25	0	532.44	0	173.42	0		0		0	
1/4	2,310.64	1/4	1,950.82	1/4	1,591.50	1/4	1,231.60	1/4	871.75	1/4	525.05	1/4	166.19	1/4	1/4	1/4		1/4	1/4
1/2	2,303.14	1/2	1,943.32	1/2	1,584.00	1/2	1,224.10	1/2	864.26	1/2	517.65	1/2	158.97	1/2	1/2	1/2		1/2	1/2
3/4	2,295.64	3/4	1,935.82	3/4	1,576.50	3/4	1,216.60	3/4	856.76	3/4	510.25	3/4	151.74	3/4	3/4	3/4		3/4	3/4
1	2,288.14	1	1,928.32	1	1,569.00	1	1,209.10	1	849.26	1	502.76	1	144.67	1	1	1		1	1
1/4	2,280.65	1/4	1,920.83	1/4	1,561.50	1/4	1,201.61	1/4	841.77	1/4	495.27	1/4	137.60	1/4	1/4	1/4		1/4	1/4
1/2	2,273.15	1/2	1,913.33	1/2	1,554.00	1/2	1,194.11	1/2	834.27	1/2	487.78	1/2	130.53	1/2	1/2	1/2		1/2	1/2
3/4	2,265.65	3/4	1,905.83	3/4	1,546.50	3/4	1,186.61	3/4	826.77	3/4	480.29	3/4	123.46	3/4	3/4	3/4		3/4	3/4
2	2,258.16	2	1,898.33	2	1,539.00	2	1,179.12	2	819.27	2	472.80	2	116.39	2	2	2		2	2
1/4	2,250.67	1/4	1,890.83	1/4	1,531.51	1/4	1,171.62	1/4	811.78	1/4	465.31	1/4	109.33	1/4	1/4	1/4		1/4	1/4
1/2	2,243.17	1/2	1,883.33	1/2	1,524.01	1/2	1,164.13	1/2	804.28	1/2	457.81	1/2	102.26	1/2	1/2	1/2		1/2	1/2
3/4	2,235.68	3/4	1,875.83	3/4	1,516.51	3/4	1,156.63	3/4	796.78	3/4	450.32	3/4	95.19	3/4	3/4	3/4		3/4	3/4
3	2,228.19	3	1,868.33	3	1,509.01	3	1,149.13	3	789.28	3	442.83	3	88.12	3	3	3		3	3
1/4	2,220.70	1/4	1,860.84	1/4	1,501.51	1/4	1,141.64	1/4	781.79	1/4	435.34	1/4	81.06	1/4	1/4	1/4		1/4	1/4
1/2	2,213.20	1/2	1,853.34	1/2	1,494.01	1/2	1,134.14	1/2	774.29	1/2	427.85	1/2	73.99	1/2	1/2	1/2		1/2	1/2
3/4	2,205.71	3/4	1,845.84	3/4	1,486.51	3/4	1,126.64	3/4	766.79	3/4	420.36	3/4	66.92	3/4	3/4	3/4		3/4	3/4
4	2,198.22	4	1,838.34	4	1,479.01	4	1,119.14	4	759.29	4	412.87	4	60.43	4	4	4		4	4
1/4	2,190.73	1/4	1,830.85	1/4	1,471.52	1/4	1,111.65	1/4	751.79	1/4	405.38	1/4	53.95	1/4	1/4	1/4		1/4	1/4
1/2	2,183.24	1/2	1,823.35	1/2	1,464.02	1/2	1,104.15	1/2	744.29	1/2	397.89	1/2	47.46	1/2	1/2	1/2		1/2	1/2
3/4	2,175.75	3/4	1,815.85	3/4	1,456.52	3/4	1,096.65	3/4	736.79	3/4	390.40	3/4	40.97	3/4	3/4	3/4		3/4	3/4
5	2,168.26	5	1,808.37	5	1,449.02	5	1,089.15	5	729.61	5	382.91	5	36.01	5	5	5		5	5
1/4	2,160.77	1/4	1,800.88	1/4	1,441.53	1/4	1,081.66	1/4	722.44	1/4	375.42	1/4	31.04	1/4	1/4	1/4		1/4	1/4
1/2	2,153.27	1/2	1,793.40	1/2	1,434.03	1/2	1,074.16	1/2	715.26	1/2	367.92	1/2	26.08	1/2	1/2	1/2		1/2	1/2
3/4	2,145.78	3/4	1,785.91	3/4	1,426.53	3/4	1,066.66	3/4	708.08	3/4	360.43	3/4	21.11	3/4	3/4	3/4		3/4	3/4
6	2,138.28	6	1,778.44	6	1,419.03	6	1,059.16	6	701.11	6	352.94	6		6	6	6		6	6
1/4	2,130.79	1/4	1,770.97	1/4	1,411.53	1/4	1,051.67	1/4	694.13	1/4	345.45	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,123.29	1/2	1,763.49	1/2	1,404.03	1/2	1,044.17	1/2	687.16	1/2	337.96	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,115.79	3/4	1,756.02	3/4	1,396.53	3/4	1,036.67	3/4	680.18	3/4	330.47	3/4		3/4	3/4	3/4		3/4	3/4
7	2,108.29	7	1,748.55	7	1,389.03	7	1,029.18	7	673.19	7	322.98	7		7	7	7		7	7
1/4	2,100.79	1/4	1,741.08	1/4	1,381.54	1/4	1,021.68	1/4	666.20	1/4	315.49	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,093.29	1/2	1,733.60	1/2	1,374.04	1/2	1,014.19	1/2	659.20	1/2	307.99	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,085.79	3/4	1,726.13	3/4	1,366.54	3/4	1,006.69	3/4	652.21	3/4	300.50	3/4		3/4	3/4	3/4		3/4	3/4
8	2,078.29	8	1,718.66	8	1,359.04	8	999.19	8	645.23	8	293.01	8		8	8	8		8	8
1/4	2,070.80	1/4	1,711.18	1/4	1,351.55	1/4	991.70	1/4	638.25	1/4	285.52	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,063.30	1/2	1,703.71	1/2	1,344.05	1/2	984.20	1/2	631.26	1/2	278.03	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,055.80	3/4	1,696.23	3/4	1,336.55	3/4	976.70	3/4	624.28	3/4	270.54	3/4		3/4	3/4	3/4		3/4	3/4
9	2,048.30	9	1,688.76	9	1,329.06	9	969.21	9	617.30	9	263.05	9		9	9	9		9	9
1/4	2,040.80	1/4	1,681.29	1/4	1,321.56	1/4	961.71	1/4	610.31	1/4	255.56	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,033.30	1/2	1,673.81	1/2	1,314.07	1/2	954.22	1/2	603.33	1/2	248.06	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,025.80	3/4	1,666.34	3/4	1,306.57	3/4	946.72	3/4	596.34	3/4	240.57	3/4		3/4	3/4	3/4		3/4	3/4
10	2,018.30	10	1,658.87	10	1,299.07	10	939.22	10	589.36	10	233.08	10		10	10	10		10	10
1/4	2,010.81	1/4	1,651.40	1/4	1,291.58	1/4	931.73	1/4	582.38	1/4	225.59	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,003.31	1/2	1,643.92	1/2	1,284.08	1/2	924.23	1/2	575.39	1/2	218.10	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,995.81	3/4	1,636.45	3/4	1,276.58	3/4	916.73	3/4	568.41	3/4	210.61	3/4		3/4	3/4	3/4		3/4	3/4
11	1,988.31	11	1,628.96	11	1,269.08	11	909.23	11	561.27	11	203.12	11		11	11	11		11	11
1/4	1,980.82	1/4	1,621.47	1/4	1,261.59	1/4	901.74	1/4	554.13	1/4	195.63	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,973.32	1/2	1,613.98	1/2	1,254.09	1/2	894.24	1/2	546.98	1/2	188.13	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,965.82	3/4	1,606.49	3/4	1,246.59	3/4	886.74	3/4	539.84	3/4	180.64	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2001 ITS  
DECK MEASUREMENTS: 07/31/2019 PMA  
VERIFIED: 05/28/2024 CL

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2024



# BARGE "KIRBY 29702B"

## 3 STBD

### ULLAGE TABLE

### HERMETIC

#### GAUGE HEIGHT 16'-06 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		1/8	4,200.18	0	4,014.60	0	3,823.89	0	3,632.17	0	3,423.90	0	3,073.06	0	2,715.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,198.51	1/4	4,010.63	1/4	3,819.92	1/4	3,628.17	1/4	3,417.59	1/4	3,065.61	1/4	2,707.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,195.17	1/2	4,006.65	1/2	3,815.94	1/2	3,624.18	1/2	3,411.27	1/2	3,058.15	1/2	2,700.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,191.83	3/4	4,002.68	3/4	3,811.97	3/4	3,620.18	3/4	3,404.95	3/4	3,050.70	3/4	2,692.93
1	1	1	1	1	1	1	4,188.03	1	3,998.71	1	3,807.98	1	3,616.18	1	3,398.06	1	3,043.25	1	2,685.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,184.23	1/4	3,994.74	1/4	3,804.00	1/4	3,612.19	1/4	3,391.16	1/4	3,035.79	1/4	2,677.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,180.43	1/2	3,990.76	1/2	3,800.01	1/2	3,608.19	1/2	3,384.27	1/2	3,028.34	1/2	2,670.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,176.63	3/4	3,986.79	3/4	3,796.02	3/4	3,604.19	3/4	3,377.37	3/4	3,020.88	3/4	2,663.04
2	2	2	2	2	2	2	4,172.71	2	3,982.82	2	3,792.02	2	3,600.20	2	3,370.07	2	3,013.43	2	2,655.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,168.79	1/4	3,978.84	1/4	3,788.03	1/4	3,596.20	1/4	3,362.78	1/4	3,005.98	1/4	2,648.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,164.86	1/2	3,974.87	1/2	3,784.03	1/2	3,592.21	1/2	3,355.48	1/2	2,998.52	1/2	2,640.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,160.94	3/4	3,970.89	3/4	3,780.03	3/4	3,588.21	3/4	3,348.18	3/4	2,991.07	3/4	2,633.12
3	3	3	3	3	3	3	4,157.02	3	3,966.92	3	3,776.04	3	3,584.21	3	3,340.78	3	2,983.62	3	2,625.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,153.09	1/4	3,962.95	1/4	3,772.04	1/4	3,580.22	1/4	3,333.37	1/4	2,976.17	1/4	2,618.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,149.17	1/2	3,958.97	1/2	3,768.05	1/2	3,576.22	1/2	3,325.97	1/2	2,968.71	1/2	2,610.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,145.24	3/4	3,955.00	3/4	3,764.05	3/4	3,572.22	3/4	3,318.56	3/4	2,961.26	3/4	2,603.20
4	4	4	4	4	4	4	4,141.32	4	3,951.03	4	3,760.05	4	3,568.23	4	3,311.16	4	2,953.80	4	2,595.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,137.40	1/4	3,947.06	1/4	3,756.06	1/4	3,564.23	1/4	3,303.76	1/4	2,946.34	1/4	2,588.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,133.47	1/2	3,943.08	1/2	3,752.06	1/2	3,560.24	1/2	3,296.35	1/2	2,938.88	1/2	2,580.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,129.55	3/4	3,939.11	3/4	3,748.06	3/4	3,556.25	3/4	3,288.95	3/4	2,931.41	3/4	2,573.28
5	5	5	5	5	5	5	4,125.63	5	3,935.14	5	3,744.07	5	3,552.25	5	3,281.55	5	2,923.97	5	2,565.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,121.70	1/4	3,931.17	1/4	3,740.07	1/4	3,548.25	1/4	3,274.14	1/4	2,916.52	1/4	2,558.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,117.78	1/2	3,927.19	1/2	3,736.08	1/2	3,544.25	1/2	3,266.74	1/2	2,909.08	1/2	2,550.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,113.85	3/4	3,923.22	3/4	3,732.08	3/4	3,540.25	3/4	3,259.33	3/4	2,901.63	3/4	2,543.36
6	6	6	6	6	6	6	4,109.90	6	3,919.25	6	3,728.08	6	3,536.25	6	3,251.90	6	2,894.18	6	2,535.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,105.94	1/4	3,915.27	1/4	3,724.09	1/4	3,532.26	1/4	3,244.46	1/4	2,886.72	1/4	2,528.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,101.99	1/2	3,911.30	1/2	3,720.09	1/2	3,528.26	1/2	3,237.03	1/2	2,879.27	1/2	2,520.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,098.03	3/4	3,907.32	3/4	3,716.09	3/4	3,524.26	3/4	3,229.59	3/4	2,871.81	3/4	2,513.44
7	7	7	7	7	7	7	4,094.06	7	3,903.35	7	3,712.10	7	3,520.31	7	3,222.14	7	2,864.36	7	2,505.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,090.09	1/4	3,899.38	1/4	3,708.10	1/4	3,516.37	1/4	3,214.68	1/4	2,856.91	1/4	2,498.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,086.11	1/2	3,895.40	1/2	3,704.11	1/2	3,512.42	1/2	3,207.23	1/2	2,849.45	1/2	2,491.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,082.14	3/4	3,891.43	3/4	3,700.11	3/4	3,508.47	3/4	3,199.77	3/4	2,842.00	3/4	2,483.52
8	8	8	8	8	8	8	4,078.17	8	3,887.46	8	3,696.11	8	3,504.37	8	3,192.32	8	2,834.55	8	2,476.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,074.20	1/4	3,883.49	1/4	3,692.12	1/4	3,500.27	1/4	3,184.87	1/4	2,827.09	1/4	2,468.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,070.22	1/2	3,879.51	1/2	3,688.12	1/2	3,496.16	1/2	3,177.41	1/2	2,819.64	1/2	2,461.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,066.25	3/4	3,875.54	3/4	3,684.12	3/4	3,492.06	3/4	3,169.96	3/4	2,812.18	3/4	2,453.61
9	9	9	9	9	9	9	4,062.28	9	3,871.57	9	3,680.12	9	3,487.49	9	3,162.51	9	2,804.73	9	2,446.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,058.30	1/4	3,867.60	1/4	3,676.13	1/4	3,482.92	1/4	3,155.05	1/4	2,797.28	1/4	2,438.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,054.33	1/2	3,863.62	1/2	3,672.13	1/2	3,478.34	1/2	3,147.60	1/2	2,789.82	1/2	2,431.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,050.35	3/4	3,859.65	3/4	3,668.13	3/4	3,473.77	3/4	3,140.14	3/4	2,782.37	3/4	2,423.69
10	10	10	10	10	10	10	4,046.38	10	3,855.68	10	3,664.14	10	3,468.62	10	3,132.69	10	2,774.92	10	2,416.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,042.41	1/4	3,851.70	1/4	3,660.14	1/4	3,463.47	1/4	3,125.24	1/4	2,767.47	1/4	2,408.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,038.43	1/2	3,847.73	1/2	3,656.15	1/2	3,458.31	1/2	3,117.78	1/2	2,760.01	1/2	2,401.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,034.46	3/4	3,843.75	3/4	3,652.15	3/4	3,453.16	3/4	3,110.33	3/4	2,752.56	3/4	2,393.76
11	11	11	11	11	11	11	4,030.49	11	3,839.78	11	3,648.15	11	3,447.43	11	3,102.88	11	2,745.11	11	2,386.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,026.52	1/4	3,835.81	1/4	3,644.16	1/4	3,441.69	1/4	3,095.42	1/4	2,737.65	1/4	2,378.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,022.54	1/2	3,831.83	1/2	3,640.16	1/2	3,435.96	1/2	3,087.97	1/2	2,730.20	1/2	2,371.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,018.57	3/4	3,827.86	3/4	3,636.16	3/4	3,430.22	3/4	3,080.51	3/4	2,722.74	3/4	2,363.84

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 11'-03" OFF CENTERLINE AND 44' 03" 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 29702B"

## 3 STBD

### ULLAGE TABLE

### HERMETIC

#### GAUGE HEIGHT 16'-06 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,356.36	0	1,997.28	0	1,638.87	0	1,280.30	0	922.03	0	566.69	0	209.39	0		0		0	
1/4	2,348.88	1/4	1,989.80	1/4	1,631.40	1/4	1,272.85	1/4	914.56	1/4	559.56	1/4	201.91	1/4	1/4		1/4		1/4
1/2	2,341.40	1/2	1,982.32	1/2	1,623.93	1/2	1,265.39	1/2	907.08	1/2	552.44	1/2	194.44	1/2	1/2		1/2		1/2
3/4	2,333.92	3/4	1,974.84	3/4	1,616.46	3/4	1,257.94	3/4	899.60	3/4	545.31	3/4	186.96	3/4	3/4		3/4		3/4
1	2,326.44	1	1,967.36	1	1,608.98	1	1,250.49	1	892.12	1	537.93	1	179.49	1	1		1		1
1/4	2,318.96	1/4	1,959.88	1/4	1,601.50	1/4	1,243.03	1/4	884.64	1/4	530.56	1/4	172.02	1/4	1/4		1/4		1/4
1/2	2,311.47	1/2	1,952.39	1/2	1,594.02	1/2	1,235.58	1/2	877.16	1/2	523.18	1/2	164.54	1/2	1/2		1/2		1/2
3/4	2,303.99	3/4	1,944.91	3/4	1,586.54	3/4	1,228.12	3/4	869.68	3/4	515.80	3/4	157.07	3/4	3/4		3/4		3/4
2	2,296.51	2	1,937.43	2	1,579.06	2	1,220.67	2	862.20	2	508.33	2	149.60	2	2		2		2
1/4	2,289.03	1/4	1,929.95	1/4	1,571.58	1/4	1,213.22	1/4	854.73	1/4	500.85	1/4	142.12	1/4	1/4		1/4		1/4
1/2	2,281.55	1/2	1,922.47	1/2	1,564.10	1/2	1,205.76	1/2	847.25	1/2	493.38	1/2	134.65	1/2	1/2		1/2		1/2
3/4	2,274.07	3/4	1,914.99	3/4	1,556.62	3/4	1,198.31	3/4	839.77	3/4	485.90	3/4	127.17	3/4	3/4		3/4		3/4
3	2,266.59	3	1,907.51	3	1,549.14	3	1,190.86	3	832.29	3	478.43	3	119.70	3	3		3		3
1/4	2,259.11	1/4	1,900.03	1/4	1,541.67	1/4	1,183.41	1/4	824.81	1/4	470.96	1/4	112.23	1/4	1/4		1/4		1/4
1/2	2,251.63	1/2	1,892.55	1/2	1,534.19	1/2	1,175.95	1/2	817.33	1/2	463.48	1/2	104.75	1/2	1/2		1/2		1/2
3/4	2,244.15	3/4	1,885.07	3/4	1,526.71	3/4	1,168.50	3/4	809.85	3/4	456.01	3/4	97.28	3/4	3/4		3/4		3/4
4	2,236.67	4	1,877.59	4	1,519.23	4	1,161.05	4	802.37	4	448.54	4	89.81	4	4		4		4
1/4	2,229.19	1/4	1,870.11	1/4	1,511.75	1/4	1,153.59	1/4	794.89	1/4	441.06	1/4	82.34	1/4	1/4		1/4		1/4
1/2	2,221.70	1/2	1,862.62	1/2	1,504.27	1/2	1,146.14	1/2	787.40	1/2	433.59	1/2	74.86	1/2	1/2		1/2		1/2
3/4	2,214.22	3/4	1,855.14	3/4	1,496.79	3/4	1,138.68	3/4	779.92	3/4	426.11	3/4	67.39	3/4	3/4		3/4		3/4
5	2,206.74	5	1,847.66	5	1,489.31	5	1,131.23	5	772.44	5	418.64	5	60.76	5	5		5		5
1/4	2,199.26	1/4	1,840.18	1/4	1,481.83	1/4	1,123.77	1/4	764.96	1/4	411.17	1/4	54.13	1/4	1/4		1/4		1/4
1/2	2,191.78	1/2	1,832.70	1/2	1,474.35	1/2	1,116.32	1/2	757.48	1/2	403.69	1/2	47.50	1/2	1/2		1/2		1/2
3/4	2,184.30	3/4	1,825.22	3/4	1,466.87	3/4	1,108.86	3/4	750.00	3/4	396.22	3/4	40.87	3/4	3/4		3/4		3/4
6	2,176.82	6	1,817.76	6	1,459.39	6	1,101.40	6	742.52	6	388.75	6	35.92	6	6		6		6
1/4	2,169.34	1/4	1,810.30	1/4	1,451.91	1/4	1,093.94	1/4	735.04	1/4	381.28	1/4	30.96	1/4	1/4		1/4		1/4
1/2	2,161.86	1/2	1,802.83	1/2	1,444.43	1/2	1,086.48	1/2	727.56	1/2	373.80	1/2	26.01	1/2	1/2		1/2		1/2
3/4	2,154.38	3/4	1,795.37	3/4	1,436.95	3/4	1,079.02	3/4	720.08	3/4	366.33	3/4	21.05	3/4	3/4		3/4		3/4
7	2,146.90	7	1,787.92	7	1,429.48	7	1,071.56	7	712.60	7	358.86	7		7	7		7		7
1/4	2,139.42	1/4	1,780.47	1/4	1,422.00	1/4	1,064.09	1/4	705.12	1/4	351.38	1/4		1/4	1/4		1/4		1/4
1/2	2,131.93	1/2	1,773.01	1/2	1,414.53	1/2	1,056.63	1/2	697.63	1/2	343.91	1/2		1/2	1/2		1/2		1/2
3/4	2,124.45	3/4	1,765.56	3/4	1,407.05	3/4	1,049.16	3/4	690.15	3/4	336.43	3/4		3/4	3/4		3/4		3/4
8	2,116.97	8	1,758.11	8	1,399.59	8	1,041.69	8	682.67	8	328.96	8		8	8		8		8
1/4	2,109.49	1/4	1,750.66	1/4	1,392.13	1/4	1,034.21	1/4	675.19	1/4	321.49	1/4		1/4	1/4		1/4		1/4
1/2	2,102.01	1/2	1,743.21	1/2	1,384.66	1/2	1,026.74	1/2	667.71	1/2	314.01	1/2		1/2	1/2		1/2		1/2
3/4	2,094.53	3/4	1,735.76	3/4	1,377.20	3/4	1,019.26	3/4	660.23	3/4	306.54	3/4		3/4	3/4		3/4		3/4
9	2,087.05	9	1,728.31	9	1,369.75	9	1,011.78	9	652.75	9	299.07	9		9	9		9		9
1/4	2,079.57	1/4	1,720.86	1/4	1,362.29	1/4	1,004.30	1/4	645.27	1/4	291.59	1/4		1/4	1/4		1/4		1/4
1/2	2,072.09	1/2	1,713.40	1/2	1,354.84	1/2	996.82	1/2	637.79	1/2	284.12	1/2		1/2	1/2		1/2		1/2
3/4	2,064.61	3/4	1,705.95	3/4	1,347.38	3/4	989.34	3/4	630.31	3/4	276.64	3/4		3/4	3/4		3/4		3/4
10	2,057.13	10	1,698.50	10	1,339.93	10	981.86	10	623.15	10	269.17	10		10	10		10		10
1/4	2,049.65	1/4	1,691.05	1/4	1,332.47	1/4	974.39	1/4	615.99	1/4	261.70	1/4		1/4	1/4		1/4		1/4
1/2	2,042.16	1/2	1,683.59	1/2	1,325.02	1/2	966.91	1/2	608.83	1/2	254.22	1/2		1/2	1/2		1/2		1/2
3/4	2,034.68	3/4	1,676.14	3/4	1,317.56	3/4	959.43	3/4	601.67	3/4	246.75	3/4		3/4	3/4		3/4		3/4
11	2,027.20	11	1,668.69	11	1,310.11	11	951.95	11	594.71	11	239.28	11		11	11		11		11
1/4	2,019.72	1/4	1,661.24	1/4	1,302.66	1/4	944.47	1/4	587.74	1/4	231.81	1/4		1/4	1/4		1/4		1/4
1/2	2,012.24	1/2	1,653.79	1/2	1,295.20	1/2	936.99	1/2	580.78	1/2	224.33	1/2		1/2	1/2		1/2		1/2
3/4	2,004.76	3/4	1,646.34	3/4	1,287.75	3/4	929.51	3/4	573.81	3/4	216.86	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/07/2001 ITS  
DECK MEASUREMENTS: 07/31/2019 PMA  
VERIFIED: 05/28/2024 CL

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 29702B"

## FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	2,641	0	5,281	0	7,922	0	10,562	0	13,203	0		0		0		0	
1/4	55	1/4	2,696	1/4	5,336	1/4	7,977	1/4	10,617	1/4	13,258	1/4		1/4		1/4		1/4	
1/2	110	1/2	2,751	1/2	5,391	1/2	8,032	1/2	10,672	1/2	13,313	1/2		1/2		1/2		1/2	
3/4	165	3/4	2,806	3/4	5,446	3/4	8,087	3/4	10,727	3/4	13,368	3/4		3/4		3/4		3/4	
1	220	1	2,861	1	5,501	1	8,142	1	10,782	1	13,423	1		1		1		1	
1/4	275	1/4	2,916	1/4	5,556	1/4	8,197	1/4	10,837	1/4	13,478	1/4		1/4		1/4		1/4	
1/2	330	1/2	2,971	1/2	5,611	1/2	8,252	1/2	10,892	1/2	13,533	1/2		1/2		1/2		1/2	
3/4	385	3/4	3,026	3/4	5,666	3/4	8,307	3/4	10,947	3/4	13,588	3/4		3/4		3/4		3/4	
2	440	2	3,081	2	5,721	2	8,362	2	11,002	2	13,643	2		2		2		2	
1/4	495	1/4	3,136	1/4	5,776	1/4	8,417	1/4	11,057	1/4	13,698	1/4		1/4		1/4		1/4	
1/2	550	1/2	3,191	1/2	5,831	1/2	8,472	1/2	11,112	1/2	13,753	1/2		1/2		1/2		1/2	
3/4	605	3/4	3,246	3/4	5,886	3/4	8,527	3/4	11,167	3/4	13,808	3/4		3/4		3/4		3/4	
3	660	3	3,301	3	5,941	3	8,582	3	11,222	3	13,863	3		3		3		3	
1/4	715	1/4	3,356	1/4	5,996	1/4	8,637	1/4	11,277	1/4	13,918	1/4		1/4		1/4		1/4	
1/2	770	1/2	3,411	1/2	6,051	1/2	8,692	1/2	11,332	1/2	13,973	1/2		1/2		1/2		1/2	
3/4	825	3/4	3,466	3/4	6,106	3/4	8,747	3/4	11,387	3/4	14,028	3/4		3/4		3/4		3/4	
4	880	4	3,521	4	6,161	4	8,802	4	11,442	4	14,083	4		4		4		4	
1/4	935	1/4	3,576	1/4	6,216	1/4	8,857	1/4	11,497	1/4	14,138	1/4		1/4		1/4		1/4	
1/2	990	1/2	3,631	1/2	6,271	1/2	8,912	1/2	11,552	1/2	14,193	1/2		1/2		1/2		1/2	
3/4	1,045	3/4	3,686	3/4	6,326	3/4	8,967	3/4	11,607	3/4	14,248	3/4		3/4		3/4		3/4	
5	1,100	5	3,741	5	6,381	5	9,022	5	11,662	5	14,303	5		5		5		5	
1/4	1,155	1/4	3,796	1/4	6,436	1/4	9,077	1/4	11,717	1/4	14,358	1/4		1/4		1/4		1/4	
1/2	1,210	1/2	3,851	1/2	6,491	1/2	9,132	1/2	11,772	1/2	14,413	1/2		1/2		1/2		1/2	
3/4	1,265	3/4	3,906	3/4	6,546	3/4	9,187	3/4	11,827	3/4	=====	3/4		3/4		3/4		3/4	
6	1,320	6	3,961	6	6,601	6	9,242	6	11,882	6	=====	6		6		6		6	
1/4	1,375	1/4	4,016	1/4	6,656	1/4	9,297	1/4	11,937	1/4	=====	1/4		1/4		1/4		1/4	
1/2	1,430	1/2	4,071	1/2	6,711	1/2	9,352	1/2	11,992	1/2	=====	1/2		1/2		1/2		1/2	
3/4	1,485	3/4	4,126	3/4	6,766	3/4	9,407	3/4	12,047	3/4	=====	3/4		3/4		3/4		3/4	
7	1,540	7	4,181	7	6,821	7	9,462	7	12,102	7	=====	7		7		7		7	
1/4	1,595	1/4	4,236	1/4	6,876	1/4	9,517	1/4	12,157	1/4	=====	1/4		1/4		1/4		1/4	
1/2	1,650	1/2	4,291	1/2	6,931	1/2	9,572	1/2	12,212	1/2	=====	1/2		1/2		1/2		1/2	
3/4	1,705	3/4	4,346	3/4	6,986	3/4	9,627	3/4	12,267	3/4	=====	3/4		3/4		3/4		3/4	
8	1,760	8	4,401	8	7,041	8	9,682	8	12,322	8	=====	8		8		8		8	
1/4	1,815	1/4	4,456	1/4	7,096	1/4	9,737	1/4	12,377	1/4	=====	1/4		1/4		1/4		1/4	
1/2	1,870	1/2	4,511	1/2	7,151	1/2	9,792	1/2	12,432	1/2	=====	1/2		1/2		1/2		1/2	
3/4	1,925	3/4	4,566	3/4	7,206	3/4	9,847	3/4	12,487	3/4	=====	3/4		3/4		3/4		3/4	
9	1,980	9	4,621	9	7,261	9	9,902	9	12,542	9	=====	9		9		9		9	
1/4	2,035	1/4	4,676	1/4	7,316	1/4	9,957	1/4	12,597	1/4	=====	1/4		1/4		1/4		1/4	
1/2	2,090	1/2	4,731	1/2	7,371	1/2	10,012	1/2	12,652	1/2	=====	1/2		1/2		1/2		1/2	
3/4	2,145	3/4	4,786	3/4	7,426	3/4	10,067	3/4	12,707	3/4	=====	3/4		3/4		3/4		3/4	
10	2,200	10	4,841	10	7,481	10	10,122	10	12,763	10	=====	10		10		10		10	
1/4	2,255	1/4	4,896	1/4	7,536	1/4	10,177	1/4	12,818	1/4	=====	1/4		1/4		1/4		1/4	
1/2	2,310	1/2	4,951	1/2	7,591	1/2	10,232	1/2	12,873	1/2	=====	1/2		1/2		1/2		1/2	
3/4	2,365	3/4	5,006	3/4	7,647	3/4	10,287	3/4	12,928	3/4	=====	3/4		3/4		3/4		3/4	
11	2,420	11	5,061	11	7,702	11	10,342	11	12,983	11	=====	11		11		11		11	
1/4	2,475	1/4	5,116	1/4	7,757	1/4	10,397	1/4	13,038	1/4	=====	1/4		1/4		1/4		1/4	
1/2	2,530	1/2	5,171	1/2	7,812	1/2	10,452	1/2	13,093	1/2	=====	1/2		1/2		1/2		1/2	
3/4	2,586	3/4	5,226	3/4	7,867	3/4	10,507	3/4	13,148	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.

STRAPPED: 05/28/2024 CL  
 CALCULATED: 05/28/2024 CL  
 VERIFIED: 05/28/2024 CL

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>