



# BARGE "KIRBY 27727"

ULLAGE TRIM TABLE  
FORMERLY "CTCO 324"

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(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 2 PORT IS 00-1/8"  
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

March 28, 2024

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

<http://www.pmacorp.net>



# BARGE "KIRBY 27727"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 324"

GAUGE HEIGHT 16'-09 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	4,939.13	0	4,611.77	0	4,263.67	0	3,899.12	0	3,533.40	0	3,167.14	0	2,800.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,932.28	1/4	4,604.72	1/4	4,256.17	1/4	3,891.50	1/4	3,525.78	1/4	3,159.51	1/4	2,793.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,925.44	1/2	4,597.66	1/2	4,248.68	1/2	3,883.88	1/2	3,518.15	1/2	3,151.88	1/2	2,785.51		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,918.59	3/4	4,590.61	3/4	4,241.18	3/4	3,876.26	3/4	3,510.52	3/4	3,144.25	3/4	2,777.88		
1		1		1		1	4,911.75	1	4,583.55	1	4,233.69	1	3,868.64	1	3,502.89	1	3,136.62	1	2,770.24		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,905.12	1/4	4,576.46	1/4	4,226.15	1/4	3,861.02	1/4	3,495.26	1/4	3,128.99	1/4	2,762.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,898.48	1/2	4,569.38	1/2	4,218.62	1/2	3,853.40	1/2	3,487.63	1/2	3,121.36	1/2	2,754.97		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,891.85	3/4	4,562.29	3/4	4,211.09	3/4	3,845.78	3/4	3,480.00	3/4	3,113.73	3/4	2,747.34		
2		2		2		2	4,885.22	2	4,555.20	2	4,203.56	2	3,838.16	2	3,472.37	2	3,106.10	2	2,739.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,878.56	1/4	4,548.08	1/4	4,196.00	1/4	3,830.54	1/4	3,464.74	1/4	3,098.47	1/4	2,732.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,871.90	1/2	4,540.96	1/2	4,188.43	1/2	3,822.93	1/2	3,457.11	1/2	3,090.84	1/2	2,724.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,865.24	3/4	4,533.84	3/4	4,180.87	3/4	3,815.31	3/4	3,449.48	3/4	3,083.21	3/4	2,716.80		
3		3		3		3	4,858.57	3	4,526.71	3	4,173.30	3	3,807.69	3	3,441.85	3	3,075.58	3	2,709.17		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,851.87	1/4	4,519.56	1/4	4,165.71	1/4	3,800.07	1/4	3,434.21	1/4	3,067.95	1/4	2,701.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,845.17	1/2	4,512.40	1/2	4,158.11	1/2	3,792.45	1/2	3,426.58	1/2	3,060.32	1/2	2,693.90		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,838.47	3/4	4,505.25	3/4	4,150.51	3/4	3,784.83	3/4	3,418.95	3/4	3,052.68	3/4	2,686.26		
4		4		4		4	4,831.77	4	4,498.09	4	4,142.91	4	3,777.21	4	3,411.32	4	3,045.05	4	2,678.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,825.03	1/4	4,490.90	1/4	4,135.30	1/4	3,769.59	1/4	3,403.69	1/4	3,037.42	1/4	2,670.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,818.30	1/2	4,483.72	1/2	4,127.68	1/2	3,761.97	1/2	3,396.06	1/2	3,029.79	1/2	2,663.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,811.56	3/4	4,476.53	3/4	4,120.06	3/4	3,754.35	3/4	3,388.43	3/4	3,022.16	3/4	2,655.72		
5		5		5		5	4,804.82	5	4,469.34	5	4,112.45	5	3,746.74	5	3,380.80	5	3,014.53	5	2,648.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,798.05	1/4	4,462.12	1/4	4,104.83	1/4	3,739.12	1/4	3,373.17	1/4	3,006.90	1/4	2,640.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,791.28	1/2	4,454.89	1/2	4,097.21	1/2	3,731.50	1/2	3,365.54	1/2	2,999.27	1/2	2,632.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,784.51	3/4	4,447.67	3/4	4,089.59	3/4	3,723.88	3/4	3,357.91	3/4	2,991.64	3/4	2,625.19		
6		6		6		6	4,777.74	6	4,440.45	6	4,081.97	6	3,716.26	6	3,350.28	6	2,984.01	6	2,617.55		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,770.94	1/4	4,433.18	1/4	4,074.35	1/4	3,708.64	1/4	3,342.65	1/4	2,976.38	1/4	2,609.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,764.13	1/2	4,425.92	1/2	4,066.73	1/2	3,701.02	1/2	3,335.02	1/2	2,968.74	1/2	2,602.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,757.33	3/4	4,418.66	3/4	4,059.12	3/4	3,693.40	3/4	3,327.39	3/4	2,961.11	3/4	2,594.65		
7		7		7	5,085.04	7	4,750.53	7	4,411.39	7	4,051.50	7	3,685.78	7	3,319.76	7	2,953.48	7	2,587.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,078.62	1/4	4,743.69	1/4	4,404.08	1/4	4,043.88	1/4	3,678.16	1/4	3,312.12	1/4	2,945.84	1/4	2,579.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,072.20	1/2	4,736.85	1/2	4,396.76	1/2	4,036.26	1/2	3,670.55	1/2	3,304.49	1/2	2,938.21	1/2	2,571.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,065.78	3/4	4,730.01	3/4	4,389.45	3/4	4,028.64	3/4	3,662.93	3/4	3,296.86	3/4	2,930.57	3/4	2,564.11
8		8		8	5,059.36	8	4,723.18	8	4,382.14	8	4,021.02	8	3,655.31	8	3,289.23	8	2,922.94	8	2,556.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,051.98	1/4	4,716.27	1/4	4,374.78	1/4	4,013.40	1/4	3,647.69	1/4	3,281.60	1/4	2,915.30	1/4	2,548.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,044.61	1/2	4,709.37	1/2	4,367.43	1/2	4,005.78	1/2	3,640.07	1/2	3,273.97	1/2	2,907.67	1/2	2,541.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,037.24	3/4	4,702.47	3/4	4,360.07	3/4	3,998.16	3/4	3,632.45	3/4	3,266.34	3/4	2,900.03	3/4	2,533.57
9		9		9	5,029.87	9	4,695.57	9	4,352.72	9	3,990.54	9	3,624.83	9	3,258.71	9	2,892.40	9	2,525.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,022.30	1/4	4,688.63	1/4	4,345.33	1/4	3,982.92	1/4	3,617.21	1/4	3,251.08	1/4	2,884.76	1/4	2,518.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,014.74	1/2	4,681.68	1/2	4,337.94	1/2	3,975.31	1/2	3,609.59	1/2	3,243.45	1/2	2,877.13	1/2	2,510.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,007.18	3/4	4,674.74	3/4	4,330.56	3/4	3,967.69	3/4	3,601.97	3/4	3,235.82	3/4	2,869.50	3/4	2,503.03
10		10		10	4,999.62	10	4,667.79	10	4,323.17	10	3,960.07	10	3,594.36	10	3,228.19	10	2,861.86	10	2,495.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,992.06	1/4	4,660.81	1/4	4,315.75	1/4	3,952.45	1/4	3,586.74	1/4	3,220.56	1/4	2,854.23	1/4	2,487.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,984.50	1/2	4,653.82	1/2	4,308.33	1/2	3,944.83	1/2	3,579.12	1/2	3,212.93	1/2	2,846.59	1/2	2,480.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,976.93	3/4	4,646.84	3/4	4,300.91	3/4	3,937.21	3/4	3,571.50	3/4	3,205.30	3/4	2,838.96	3/4	2,472.49
11		11		11	4,969.37	11	4,639.85	11	4,293.48	11	3,929.59	11	3,563.88	11	3,197.67	11	2,831.32	11	2,464.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,961.81	1/4	4,632.83	1/4	4,286.03	1/4	3,921.97	1/4	3,556.26	1/4	3,190.04	1/4	2,823.69	1/4	2,457.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,954.25	1/2	4,625.81	1/2	4,278.57	1/2	3,914.35	1/2	3,548.64	1/2	3,182.40	1/2	2,816.05	1/2	2,449.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,946.69	3/4	4,618.79	3/4	4,271.12	3/4	3,906.73	3/4	3,541.02	3/4	3,174.77	3/4	2,808.42	3/4	2,441.95

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"  
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 27727"

## 1 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 16'-09 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 324"

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	2,434.32	0	2,067.85	0	1,707.53	0	1,341.00	0	975.41	0	610.15	0	261.03	0		0			
1/4	2,426.68	1/4	2,060.22	1/4	1,699.90	1/4	1,333.36	1/4	967.82	1/4	602.52	1/4	254.30	1/4		1/4		1/4	
1/2	2,419.05	1/2	2,052.58	1/2	1,692.26	1/2	1,325.73	1/2	960.24	1/2	594.88	1/2	247.58	1/2		1/2		1/2	
3/4	2,411.41	3/4	2,044.95	3/4	1,684.62	3/4	1,318.09	3/4	952.65	3/4	587.24	3/4	240.85	3/4		3/4		3/4	
1	2,403.78	1	2,037.31	1	1,676.99	1	1,310.45	1	945.07	1	579.61	1	234.13	1		1		1	
1/4	2,396.14	1/4	2,030.22	1/4	1,669.35	1/4	1,302.82	1/4	937.48	1/4	571.98	1/4	227.49	1/4		1/4		1/4	
1/2	2,388.51	1/2	2,023.13	1/2	1,661.71	1/2	1,295.18	1/2	929.90	1/2	564.35	1/2	220.85	1/2		1/2		1/2	
3/4	2,380.87	3/4	2,016.03	3/4	1,654.08	3/4	1,287.55	3/4	922.31	3/4	556.73	3/4	214.21	3/4		3/4		3/4	
2	2,373.24	2	2,008.94	2	1,646.44	2	1,279.91	2	914.73	2	549.10	2	207.57	2		2		2	
1/4	2,365.61	1/4	2,002.02	1/4	1,638.81	1/4	1,272.27	1/4	907.14	1/4	541.51	1/4	201.02	1/4		1/4		1/4	
1/2	2,357.97	1/2	1,995.11	1/2	1,631.17	1/2	1,264.64	1/2	899.56	1/2	533.93	1/2	194.47	1/2		1/2		1/2	
3/4	2,350.34	3/4	1,988.20	3/4	1,623.53	3/4	1,257.00	3/4	891.97	3/4	526.34	3/4	187.91	3/4		3/4		3/4	
3	2,342.70	3	1,981.28	3	1,615.90	3	1,249.37	3	884.39	3	518.76	3	181.36	3		3		3	
1/4	2,335.07	1/4	1,973.86	1/4	1,608.26	1/4	1,241.73	1/4	876.80	1/4	511.25	1/4	174.90	1/4		1/4		1/4	
1/2	2,327.43	1/2	1,966.43	1/2	1,600.63	1/2	1,234.09	1/2	869.22	1/2	503.75	1/2	168.43	1/2		1/2		1/2	
3/4	2,319.80	3/4	1,959.00	3/4	1,592.99	3/4	1,226.46	3/4	861.63	3/4	496.24	3/4	161.96	3/4		3/4		3/4	
4	2,312.16	4	1,951.57	4	1,585.35	4	1,218.82	4	854.04	4	488.74	4	155.50	4		4		4	
1/4	2,304.53	1/4	1,943.97	1/4	1,577.72	1/4	1,211.18	1/4	846.46	1/4	481.32	1/4	149.12	1/4		1/4		1/4	
1/2	2,296.89	1/2	1,936.37	1/2	1,570.08	1/2	1,203.55	1/2	838.87	1/2	473.90	1/2	142.75	1/2		1/2		1/2	
3/4	2,289.26	3/4	1,928.77	3/4	1,562.45	3/4	1,195.91	3/4	831.29	3/4	466.48	3/4	136.37	3/4		3/4		3/4	
5	2,281.62	5	1,921.17	5	1,554.81	5	1,188.28	5	823.70	5	459.06	5	130.00	5		5		5	
1/4	2,273.99	1/4	1,913.57	1/4	1,547.17	1/4	1,180.64	1/4	816.12	1/4	451.73	1/4	123.72	1/4		1/4		1/4	
1/2	2,266.35	1/2	1,905.97	1/2	1,539.54	1/2	1,173.00	1/2	808.53	1/2	444.39	1/2	117.44	1/2		1/2		1/2	
3/4	2,258.72	3/4	1,898.36	3/4	1,531.90	3/4	1,165.37	3/4	800.95	3/4	437.06	3/4	111.16	3/4		3/4		3/4	
6	2,251.08	6	1,890.76	6	1,524.26	6	1,157.73	6	793.36	6	429.73	6	104.88	6		6		6	
1/4	2,243.45	1/4	1,883.14	1/4	1,516.63	1/4	1,150.12	1/4	785.74	1/4	422.48	1/4	98.69	1/4		1/4		1/4	
1/2	2,235.82	1/2	1,875.51	1/2	1,508.99	1/2	1,142.50	1/2	778.12	1/2	415.24	1/2	92.50	1/2		1/2		1/2	
3/4	2,228.18	3/4	1,867.88	3/4	1,501.36	3/4	1,134.89	3/4	770.49	3/4	407.99	3/4	86.32	3/4		3/4		3/4	
7	2,220.55	7	1,860.25	7	1,493.72	7	1,127.28	7	762.87	7	400.75	7	80.13	7		7		7	
1/4	2,212.91	1/4	1,852.62	1/4	1,486.08	1/4	1,119.67	1/4	755.23	1/4	393.59	1/4	74.06	1/4		1/4		1/4	
1/2	2,205.28	1/2	1,844.98	1/2	1,478.45	1/2	1,112.06	1/2	747.60	1/2	386.43	1/2	67.98	1/2		1/2		1/2	
3/4	2,197.64	3/4	1,837.34	3/4	1,470.81	3/4	1,104.46	3/4	739.96	3/4	379.27	3/4	61.90	3/4		3/4		3/4	
8	2,190.01	8	1,829.71	8	1,463.18	8	1,096.85	8	732.33	8	372.11	8	55.83	8		8		8	
1/4	2,182.37	1/4	1,822.07	1/4	1,455.54	1/4	1,089.25	1/4	724.69	1/4	365.04	1/4	50.53	1/4		1/4		1/4	
1/2	2,174.74	1/2	1,814.44	1/2	1,447.90	1/2	1,081.66	1/2	717.05	1/2	357.96	1/2	45.23	1/2		1/2		1/2	
3/4	2,167.10	3/4	1,806.80	3/4	1,440.27	3/4	1,074.06	3/4	709.42	3/4	350.89	3/4	39.94	3/4		3/4		3/4	
9	2,159.47	9	1,799.16	9	1,432.63	9	1,066.47	9	701.78	9	343.82	9	34.64	9		9		9	
1/4	2,151.83	1/4	1,791.53	1/4	1,425.00	1/4	1,058.87	1/4	694.15	1/4	336.83	1/4	30.76	1/4		1/4		1/4	
1/2	2,144.20	1/2	1,783.89	1/2	1,417.36	1/2	1,051.28	1/2	686.51	1/2	329.85	1/2	26.88	1/2		1/2		1/2	
3/4	2,136.56	3/4	1,776.26	3/4	1,409.72	3/4	1,043.69	3/4	678.88	3/4	322.86	3/4	23.00	3/4		3/4		3/4	
10	2,128.93	10	1,768.62	10	1,402.09	10	1,036.10	10	671.24	10	315.88	10		10		10		10	
1/4	2,121.29	1/4	1,760.98	1/4	1,394.45	1/4	1,028.51	1/4	663.60	1/4	308.98	1/4		1/4		1/4		1/4	
1/2	2,113.66	1/2	1,753.35	1/2	1,386.81	1/2	1,020.92	1/2	655.97	1/2	302.08	1/2		1/2		1/2		1/2	
3/4	2,106.03	3/4	1,745.71	3/4	1,379.18	3/4	1,013.34	3/4	648.33	3/4	295.18	3/4		3/4		3/4		3/4	
11	2,098.39	11	1,738.08	11	1,371.54	11	1,005.75	11	640.70	11	288.28	11		11		11		11	
1/4	2,090.76	1/4	1,730.44	1/4	1,363.91	1/4	998.16	1/4	633.06	1/4	281.47	1/4		1/4		1/4		1/4	
1/2	2,083.12	1/2	1,722.80	1/2	1,356.27	1/2	990.58	1/2	625.42	1/2	274.66	1/2		1/2		1/2		1/2	
3/4	2,075.49	3/4	1,715.17	3/4	1,348.63	3/4	982.99	3/4	617.79	3/4	267.84	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/16/2014 CL  
RECALCULATED: 05/08/2019 SW  
VERIFIED: 03/28/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

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



# BARGE "KIRBY 27727"

## 1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 324"

GAUGE HEIGHT 16'-10"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	4,943.65	0	4,615.71	0	4,268.00	0	3,903.58	0	3,537.83	0	3,172.08	0	2,806.24		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,936.08	1/4	4,608.69	1/4	4,260.55	1/4	3,895.96	1/4	3,530.21	1/4	3,164.46	1/4	2,798.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,929.24	1/2	4,601.63	1/2	4,253.05	1/2	3,888.34	1/2	3,522.59	1/2	3,156.84	1/2	2,790.99		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,922.39	3/4	4,594.58	3/4	4,245.55	3/4	3,880.72	3/4	3,514.97	3/4	3,149.22	3/4	2,783.36		
1		1		1		1	4,915.55	1	4,587.52	1	4,238.06	1	3,873.10	1	3,507.35	1	3,141.60	1	2,775.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,908.70	1/4	4,580.47	1/4	4,230.56	1/4	3,865.48	1/4	3,499.73	1/4	3,133.98	1/4	2,768.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,902.07	1/2	4,573.38	1/2	4,223.03	1/2	3,857.86	1/2	3,492.11	1/2	3,126.36	1/2	2,760.49		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,895.44	3/4	4,566.29	3/4	4,215.50	3/4	3,850.24	3/4	3,484.49	3/4	3,118.74	3/4	2,752.87		
2		2		2		2	4,888.81	2	4,559.20	2	4,207.97	2	3,842.62	2	3,476.87	2	3,111.12	2	2,745.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,882.17	1/4	4,552.11	1/4	4,200.44	1/4	3,835.00	1/4	3,469.25	1/4	3,103.50	1/4	2,737.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,875.51	1/2	4,544.99	1/2	4,192.87	1/2	3,827.38	1/2	3,461.63	1/2	3,095.88	1/2	2,730.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,868.85	3/4	4,537.87	3/4	4,185.31	3/4	3,819.76	3/4	3,454.01	3/4	3,088.26	3/4	2,722.37		
3		3		3		3	4,862.19	3	4,530.75	3	4,177.74	3	3,812.14	3	3,446.39	3	3,080.64	3	2,714.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,855.52	1/4	4,523.62	1/4	4,170.18	1/4	3,804.52	1/4	3,438.77	1/4	3,073.02	1/4	2,707.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,848.82	1/2	4,516.47	1/2	4,162.58	1/2	3,796.90	1/2	3,431.15	1/2	3,065.40	1/2	2,699.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,842.12	3/4	4,509.31	3/4	4,154.98	3/4	3,789.28	3/4	3,423.53	3/4	3,057.78	3/4	2,691.88		
4		4		4		4	4,835.42	4	4,502.16	4	4,147.38	4	3,781.66	4	3,415.91	4	3,050.16	4	2,684.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,828.72	1/4	4,495.00	1/4	4,139.78	1/4	3,774.04	1/4	3,408.29	1/4	3,042.54	1/4	2,676.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,821.98	1/2	4,487.81	1/2	4,132.16	1/2	3,766.42	1/2	3,400.67	1/2	3,034.92	1/2	2,669.01		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,815.24	3/4	4,480.62	3/4	4,124.55	3/4	3,758.80	3/4	3,393.05	3/4	3,027.30	3/4	2,661.38		
5		5		5		5	4,808.50	5	4,473.43	5	4,116.93	5	3,751.18	5	3,385.43	5	3,019.68	5	2,653.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,801.77	1/4	4,466.24	1/4	4,109.31	1/4	3,743.56	1/4	3,377.81	1/4	3,012.06	1/4	2,646.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,794.99	1/2	4,459.02	1/2	4,101.69	1/2	3,735.94	1/2	3,370.19	1/2	3,004.44	1/2	2,638.51		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,788.22	3/4	4,451.79	3/4	4,094.07	3/4	3,728.32	3/4	3,362.57	3/4	2,996.82	3/4	2,630.89		
6		6		6		6	4,781.45	6	4,444.57	6	4,086.45	6	3,720.70	6	3,354.95	6	2,989.20	6	2,623.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,774.68	1/4	4,437.35	1/4	4,078.83	1/4	3,713.08	1/4	3,347.33	1/4	2,981.58	1/4	2,615.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,767.88	1/2	4,430.08	1/2	4,071.21	1/2	3,705.46	1/2	3,339.71	1/2	2,973.96	1/2	2,608.02		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,761.07	3/4	4,422.82	3/4	4,063.59	3/4	3,697.84	3/4	3,332.09	3/4	2,966.34	3/4	2,600.39		
7		7		7		7	4,754.27	7	4,415.55	7	4,055.97	7	3,690.22	7	3,324.47	7	2,958.71	7	2,592.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,082.00	1/4	4,747.46	1/4	4,408.29	1/4	4,048.35	1/4	3,682.60	1/4	3,316.85	1/4	2,951.09	1/4	2,585.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,075.58	1/2	4,740.62	1/2	4,400.98	1/2	4,040.74	1/2	3,674.98	1/2	3,309.23	1/2	2,943.46	1/2	2,577.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,069.16	3/4	4,733.79	3/4	4,393.66	3/4	4,033.12	3/4	3,667.36	3/4	3,301.61	3/4	2,935.84	3/4	2,569.90
8		8		8		8	5,062.74	8	4,726.95	8	4,386.34	8	4,025.50	8	3,659.75	8	3,293.99	8	2,928.22	8	2,562.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,056.32	1/4	4,720.11	1/4	4,379.03	1/4	4,017.88	1/4	3,652.13	1/4	3,286.37	1/4	2,920.59	1/4	2,554.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,048.95	1/2	4,713.21	1/2	4,371.67	1/2	4,010.26	1/2	3,644.51	1/2	3,278.76	1/2	2,912.97	1/2	2,547.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,041.58	3/4	4,706.30	3/4	4,364.32	3/4	4,002.64	3/4	3,636.89	3/4	3,271.14	3/4	2,905.35	3/4	2,539.40
9		9		9		9	5,034.21	9	4,699.40	9	4,356.96	9	3,995.02	9	3,629.27	9	3,263.52	9	2,897.72	9	2,531.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,026.83	1/4	4,692.50	1/4	4,349.61	1/4	3,987.40	1/4	3,621.65	1/4	3,255.90	1/4	2,890.10	1/4	2,524.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,019.27	1/2	4,685.55	1/2	4,342.22	1/2	3,979.78	1/2	3,614.03	1/2	3,248.28	1/2	2,882.47	1/2	2,516.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,011.71	3/4	4,678.61	3/4	4,334.83	3/4	3,972.16	3/4	3,606.41	3/4	3,240.66	3/4	2,874.85	3/4	2,508.91
10		10		10		10	5,004.15	10	4,671.66	10	4,327.45	10	3,964.54	10	3,598.79	10	3,233.04	10	2,867.23	10	2,501.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,996.58	1/4	4,664.72	1/4	4,320.06	1/4	3,956.92	1/4	3,591.17	1/4	3,225.42	1/4	2,859.60	1/4	2,493.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,989.02	1/2	4,657.73	1/2	4,312.63	1/2	3,949.30	1/2	3,583.55	1/2	3,217.80	1/2	2,851.98	1/2	2,486.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,981.46	3/4	4,650.75	3/4	4,305.21	3/4	3,941.68	3/4	3,575.93	3/4	3,210.18	3/4	2,844.36	3/4	2,478.41
11		11		11		11	4,973.90	11	4,643.76	11	4,297.79	11	3,934.06	11	3,568.31	11	3,202.56	11	2,836.73	11	2,470.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,966.33	1/4	4,636.78	1/4	4,290.37	1/4	3,926.44	1/4	3,560.69	1/4	3,194.94	1/4	2,829.11	1/4	2,463.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,958.77	1/2	4,629.75	1/2	4,282.91	1/2	3,918.82	1/2	3,553.07	1/2	3,187.32	1/2	2,821.48	1/2	2,455.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,951.21	3/4	4,622.73	3/4	4,275.46	3/4	3,911.20	3/4	3,545.45	3/4	3,179.70	3/4	2,813.86	3/4	2,447.92

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 27727"

## 1 STBD ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 324"

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	2,440.29	0	2,074.35	0	1,714.56	0	1,348.54	0	982.66	0	617.02	0	267.65	0		0			
1/4	2,432.67	1/4	2,066.73	1/4	1,706.93	1/4	1,340.92	1/4	975.05	1/4	609.39	1/4	260.85	1/4		1/4			
1/2	2,425.05	1/2	2,059.10	1/2	1,699.31	1/2	1,333.29	1/2	967.44	1/2	601.77	1/2	254.13	1/2		1/2			
3/4	2,417.42	3/4	2,051.48	3/4	1,691.68	3/4	1,325.67	3/4	959.83	3/4	594.14	3/4	247.42	3/4		3/4			
1	2,409.80	1	2,043.86	1	1,684.06	1	1,318.04	1	952.22	1	586.52	1	240.70	1		1			
1/4	2,402.17	1/4	2,036.23	1/4	1,676.43	1/4	1,310.42	1/4	944.61	1/4	578.89	1/4	233.99	1/4		1/4			
1/2	2,394.55	1/2	2,029.15	1/2	1,668.80	1/2	1,302.79	1/2	937.00	1/2	571.28	1/2	227.36	1/2		1/2			
3/4	2,386.93	3/4	2,022.07	3/4	1,661.18	3/4	1,295.17	3/4	929.38	3/4	563.67	3/4	220.73	3/4		3/4			
2	2,379.30	2	2,014.98	2	1,653.55	2	1,287.54	2	921.77	2	556.06	2	214.10	2		2			
1/4	2,371.68	1/4	2,007.90	1/4	1,645.93	1/4	1,279.91	1/4	914.16	1/4	548.45	1/4	207.47	1/4		1/4			
1/2	2,364.06	1/2	2,001.00	1/2	1,638.30	1/2	1,272.29	1/2	906.55	1/2	540.88	1/2	200.93	1/2		1/2			
3/4	2,356.43	3/4	1,994.10	3/4	1,630.68	3/4	1,264.66	3/4	898.94	3/4	533.31	3/4	194.39	3/4		3/4			
3	2,348.81	3	1,987.19	3	1,623.05	3	1,257.04	3	891.33	3	525.75	3	187.85	3		3			
1/4	2,341.18	1/4	1,980.29	1/4	1,615.43	1/4	1,249.41	1/4	883.72	1/4	518.18	1/4	181.31	1/4		1/4			
1/2	2,333.56	1/2	1,972.87	1/2	1,607.80	1/2	1,241.79	1/2	876.10	1/2	510.69	1/2	174.85	1/2		1/2			
3/4	2,325.94	3/4	1,965.45	3/4	1,600.18	3/4	1,234.16	3/4	868.49	3/4	503.20	3/4	168.40	3/4		3/4			
4	2,318.31	4	1,958.04	4	1,592.55	4	1,226.54	4	860.88	4	495.70	4	161.94	4		4			
1/4	2,310.69	1/4	1,950.62	1/4	1,584.93	1/4	1,218.91	1/4	853.27	1/4	488.21	1/4	155.49	1/4		1/4			
1/2	2,303.07	1/2	1,943.03	1/2	1,577.30	1/2	1,211.29	1/2	845.66	1/2	480.80	1/2	149.12	1/2		1/2			
3/4	2,295.44	3/4	1,935.44	3/4	1,569.68	3/4	1,203.66	3/4	838.05	3/4	473.39	3/4	142.75	3/4		3/4			
5	2,287.82	5	1,927.85	5	1,562.05	5	1,196.04	5	830.44	5	465.98	5	136.38	5		5			
1/4	2,280.19	1/4	1,920.26	1/4	1,554.43	1/4	1,188.41	1/4	822.82	1/4	458.57	1/4	130.01	1/4		1/4			
1/2	2,272.57	1/2	1,912.67	1/2	1,546.80	1/2	1,180.79	1/2	815.21	1/2	451.25	1/2	123.73	1/2		1/2			
3/4	2,264.95	3/4	1,905.08	3/4	1,539.17	3/4	1,173.16	3/4	807.60	3/4	443.93	3/4	117.45	3/4		3/4			
6	2,257.32	6	1,897.49	6	1,531.55	6	1,165.53	6	799.99	6	436.61	6	111.17	6		6			
1/4	2,249.70	1/4	1,889.90	1/4	1,523.92	1/4	1,157.91	1/4	792.38	1/4	429.29	1/4	104.89	1/4		1/4			
1/2	2,242.08	1/2	1,882.28	1/2	1,516.30	1/2	1,150.28	1/2	784.76	1/2	422.05	1/2	98.70	1/2		1/2			
3/4	2,234.45	3/4	1,874.67	3/4	1,508.67	3/4	1,142.66	3/4	777.14	3/4	414.82	3/4	92.52	3/4		3/4			
7	2,226.83	7	1,867.05	7	1,501.05	7	1,135.03	7	769.51	7	407.58	7	86.33	7		7			
1/4	2,219.20	1/4	1,859.44	1/4	1,493.42	1/4	1,127.41	1/4	761.89	1/4	400.35	1/4	80.14	1/4		1/4			
1/2	2,211.58	1/2	1,851.81	1/2	1,485.80	1/2	1,119.78	1/2	754.27	1/2	393.20	1/2	74.07	1/2		1/2			
3/4	2,203.96	3/4	1,844.19	3/4	1,478.17	3/4	1,112.16	3/4	746.64	3/4	386.05	3/4	67.99	3/4		3/4			
8	2,196.33	8	1,836.56	8	1,470.55	8	1,104.53	8	739.02	8	378.90	8	61.91	8		8			
1/4	2,188.71	1/4	1,828.94	1/4	1,462.92	1/4	1,096.91	1/4	731.39	1/4	371.75	1/4	55.83	1/4		1/4			
1/2	2,181.08	1/2	1,821.31	1/2	1,455.30	1/2	1,089.29	1/2	723.77	1/2	364.69	1/2	50.54	1/2		1/2			
3/4	2,173.46	3/4	1,813.69	3/4	1,447.67	3/4	1,081.67	3/4	716.14	3/4	357.63	3/4	45.24	3/4		3/4			
9	2,165.84	9	1,806.06	9	1,440.05	9	1,074.05	9	708.52	9	350.57	9	39.94	9		9			
1/4	2,158.21	1/4	1,798.43	1/4	1,432.42	1/4	1,066.43	1/4	700.89	1/4	343.51	1/4	34.65	1/4		1/4			
1/2	2,150.59	1/2	1,790.81	1/2	1,424.80	1/2	1,058.81	1/2	693.27	1/2	336.53	1/2	30.76	1/2		1/2			
3/4	2,142.97	3/4	1,783.18	3/4	1,417.17	3/4	1,051.19	3/4	685.64	3/4	329.56	3/4	26.88	3/4		3/4			
10	2,135.34	10	1,775.56	10	1,409.54	10	1,043.57	10	678.02	10	322.58	10	23.00	10		10			
1/4	2,127.72	1/4	1,767.93	1/4	1,401.92	1/4	1,035.95	1/4	670.39	1/4	315.61	1/4		1/4		1/4			
1/2	2,120.09	1/2	1,760.31	1/2	1,394.29	1/2	1,028.34	1/2	662.77	1/2	308.72	1/2		1/2		1/2			
3/4	2,112.47	3/4	1,752.68	3/4	1,386.67	3/4	1,020.72	3/4	655.14	3/4	301.83	3/4		3/4		3/4			
11	2,104.85	11	1,745.06	11	1,379.04	11	1,013.11	11	647.52	11	294.94	11		11		11			
1/4	2,097.22	1/4	1,737.43	1/4	1,371.42	1/4	1,005.50	1/4	639.89	1/4	288.05	1/4		1/4		1/4			
1/2	2,089.60	1/2	1,729.81	1/2	1,363.79	1/2	997.89	1/2	632.27	1/2	281.25	1/2		1/2		1/2			
3/4	2,081.98	3/4	1,722.18	3/4	1,356.17	3/4	990.28	3/4	624.64	3/4	274.45	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/16/2014 CL  
RECALCULATED: 05/08/2019 SW  
VERIFIED: 03/28/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

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



# BARGE "KIRBY 27727"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 324"

GAUGE HEIGHT 16'-10 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	4,703.72	0	4,395.22	0	4,068.95	0	3,726.66	0	3,382.98	0	3,039.29	0	2,695.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,696.62	1/4	4,388.63	1/4	4,061.94	1/4	3,719.50	1/4	3,375.82	1/4	3,032.13	1/4	2,688.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,689.52	1/2	4,382.03	1/2	4,054.94	1/2	3,712.34	1/2	3,368.66	1/2	3,024.97	1/2	2,681.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,683.09	3/4	4,375.40	3/4	4,047.89	3/4	3,705.18	3/4	3,361.50	3/4	3,017.81	3/4	2,674.03
1		1		1		1	4,676.66	1	4,368.78	1	4,040.85	1	3,698.02	1	3,354.34	1	3,010.65	1	2,666.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,670.23	1/4	4,362.15	1/4	4,033.81	1/4	3,690.86	1/4	3,347.18	1/4	3,003.49	1/4	2,659.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,663.80	1/2	4,355.52	1/2	4,026.76	1/2	3,683.70	1/2	3,340.02	1/2	2,996.33	1/2	2,652.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,657.57	3/4	4,348.86	3/4	4,019.69	3/4	3,676.54	3/4	3,332.86	3/4	2,989.17	3/4	2,645.38
2		2		2		2	4,651.35	2	4,342.20	2	4,012.61	2	3,669.38	2	3,325.70	2	2,982.01	2	2,638.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,645.12	1/4	4,335.54	1/4	4,005.53	1/4	3,662.22	1/4	3,318.54	1/4	2,974.85	1/4	2,631.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,638.89	1/2	4,328.88	1/2	3,998.45	1/2	3,655.06	1/2	3,311.38	1/2	2,967.69	1/2	2,623.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,632.63	3/4	4,322.19	3/4	3,991.35	3/4	3,647.90	3/4	3,304.22	3/4	2,960.53	3/4	2,616.72
3		3		3		3	4,626.38	3	4,315.50	3	3,984.24	3	3,640.74	3	3,297.06	3	2,953.37	3	2,609.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,620.12	1/4	4,308.81	1/4	3,977.13	1/4	3,633.58	1/4	3,289.90	1/4	2,946.21	1/4	2,602.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,613.86	1/2	4,302.12	1/2	3,970.02	1/2	3,626.42	1/2	3,282.74	1/2	2,939.05	1/2	2,595.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,607.57	3/4	4,295.39	3/4	3,962.88	3/4	3,619.26	3/4	3,275.58	3/4	2,931.89	3/4	2,588.06
4		4		4		4	4,601.28	4	4,288.67	4	3,955.74	4	3,612.10	4	3,268.42	4	2,924.73	4	2,580.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,594.98	1/4	4,281.95	1/4	3,948.60	1/4	3,604.94	1/4	3,261.26	1/4	2,917.57	1/4	2,573.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,588.69	1/2	4,275.23	1/2	3,941.46	1/2	3,597.78	1/2	3,254.10	1/2	2,910.41	1/2	2,566.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,582.36	3/4	4,268.47	3/4	3,934.30	3/4	3,590.62	3/4	3,246.94	3/4	2,903.25	3/4	2,559.41
5		5		5		5	4,576.04	5	4,261.72	5	3,927.14	5	3,583.46	5	3,239.78	5	2,896.09	5	2,552.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,569.71	1/4	4,254.96	1/4	3,919.98	1/4	3,576.30	1/4	3,232.62	1/4	2,888.93	1/4	2,545.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,563.38	1/2	4,248.21	1/2	3,912.82	1/2	3,569.14	1/2	3,225.46	1/2	2,881.77	1/2	2,537.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,557.02	3/4	4,241.42	3/4	3,905.66	3/4	3,561.98	3/4	3,218.30	3/4	2,874.61	3/4	2,530.75
6		6		6		6	4,550.67	6	4,234.64	6	3,898.50	6	3,554.82	6	3,211.13	6	2,867.45	6	2,523.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,544.31	1/4	4,227.85	1/4	3,891.34	1/4	3,547.66	1/4	3,203.97	1/4	2,860.29	1/4	2,516.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,537.95	1/2	4,221.06	1/2	3,884.18	1/2	3,540.50	1/2	3,196.81	1/2	2,853.13	1/2	2,509.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,531.56	3/4	4,214.24	3/4	3,877.02	3/4	3,533.34	3/4	3,189.65	3/4	2,845.97	3/4	2,502.09
7		7		7		7	4,525.17	7	4,207.41	7	3,869.86	7	3,526.18	7	3,182.49	7	2,838.81	7	2,494.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,518.78	1/4	4,200.59	1/4	3,862.70	1/4	3,519.02	1/4	3,175.33	1/4	2,831.64	1/4	2,487.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,826.57	1/2	4,512.39	1/2	4,193.77	1/2	3,855.54	1/2	3,511.86	1/2	3,168.17	1/2	2,824.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,820.54	3/4	4,505.97	3/4	4,186.89	3/4	3,848.38	3/4	3,504.70	3/4	3,161.01	3/4	2,817.32
8		8		8		8	4,814.51	8	4,499.54	8	4,180.02	8	3,841.22	8	3,497.54	8	3,153.85	8	2,810.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,808.48	1/4	4,493.12	1/4	4,173.14	1/4	3,834.06	1/4	3,490.38	1/4	3,146.69	1/4	2,802.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,802.45	1/2	4,486.70	1/2	4,166.27	1/2	3,826.90	1/2	3,483.22	1/2	3,139.53	1/2	2,795.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,795.53	3/4	4,480.22	3/4	4,159.36	3/4	3,819.74	3/4	3,476.06	3/4	3,132.37	3/4	2,788.66
9		9		9		9	4,788.60	9	4,473.73	9	4,152.45	9	3,812.58	9	3,468.90	9	3,125.21	9	2,781.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,781.68	1/4	4,467.25	1/4	4,145.54	1/4	3,805.42	1/4	3,461.74	1/4	3,118.05	1/4	2,774.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,774.75	1/2	4,460.77	1/2	4,138.63	1/2	3,798.26	1/2	3,454.58	1/2	3,110.89	1/2	2,767.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,767.65	3/4	4,454.24	3/4	4,131.68	3/4	3,791.10	3/4	3,447.42	3/4	3,103.73	3/4	2,760.01
10		10		10		10	4,760.55	10	4,447.72	10	4,124.74	10	3,783.94	10	3,440.26	10	3,096.57	10	2,752.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,753.44	1/4	4,441.19	1/4	4,117.80	1/4	3,776.78	1/4	3,433.10	1/4	3,089.41	1/4	2,745.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,746.34	1/2	4,434.67	1/2	4,110.86	1/2	3,769.62	1/2	3,425.94	1/2	3,082.25	1/2	2,738.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,739.24	3/4	4,428.11	3/4	4,103.88	3/4	3,762.46	3/4	3,418.78	3/4	3,075.09	3/4	2,731.35
11		11		11		11	4,732.13	11	4,421.54	11	4,096.91	11	3,755.30	11	3,411.62	11	3,067.93	11	2,724.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,725.03	1/4	4,414.98	1/4	4,089.93	1/4	3,748.14	1/4	3,404.46	1/4	3,060.77	1/4	2,717.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,717.93	1/2	4,408.42	1/2	4,082.96	1/2	3,740.98	1/2	3,397.30	1/2	3,053.61	1/2	2,709.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,710.83	3/4	4,401.82	3/4	4,075.96	3/4	3,733.82	3/4	3,390.14	3/4	3,046.45	3/4	2,702.69

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

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





# BARGE "KIRBY 27727"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 324"

GAUGE HEIGHT 16'-10 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	2,351.65	0	2,007.76	0	1,669.69	0	1,325.74	0	987.95	0	652.22	0	308.29	0		0			
1/4	2,344.48	1/4	2,000.60	1/4	1,662.52	1/4	1,318.57	1/4	981.09	1/4	645.06	1/4	301.12	1/4		1/4			
1/2	2,337.32	1/2	1,993.44	1/2	1,655.36	1/2	1,311.41	1/2	974.23	1/2	637.89	1/2	293.95	1/2		1/2			
3/4	2,330.15	3/4	1,986.27	3/4	1,648.19	3/4	1,304.24	3/4	967.37	3/4	630.73	3/4	286.79	3/4		3/4			
1	2,322.99	1	1,979.11	1	1,641.03	1	1,297.08	1	960.51	1	623.56	1	279.62	1		1			
1/4	2,315.82	1/4	1,971.94	1/4	1,633.86	1/4	1,289.91	1/4	953.64	1/4	616.40	1/4	272.46	1/4		1/4			
1/2	2,308.66	1/2	1,964.78	1/2	1,626.69	1/2	1,282.75	1/2	946.78	1/2	609.23	1/2	265.29	1/2		1/2			
3/4	2,301.50	3/4	1,958.12	3/4	1,619.53	3/4	1,275.58	3/4	939.92	3/4	602.07	3/4	258.13	3/4		3/4			
2	2,294.33	2	1,951.47	2	1,612.36	2	1,268.41	2	933.06	2	594.90	2	250.96	2		2			
1/4	2,287.17	1/4	1,944.81	1/4	1,605.20	1/4	1,261.25	1/4	926.20	1/4	587.74	1/4	243.80	1/4		1/4			
1/2	2,280.00	1/2	1,938.16	1/2	1,598.03	1/2	1,254.08	1/2	919.34	1/2	580.57	1/2	236.63	1/2		1/2			
3/4	2,272.84	3/4	1,931.67	3/4	1,590.87	3/4	1,246.92	3/4	912.48	3/4	573.41	3/4	229.47	3/4		3/4			
3	2,265.68	3	1,925.18	3	1,583.70	3	1,239.75	3	905.62	3	566.24	3	222.30	3		3			
1/4	2,258.51	1/4	1,918.70	1/4	1,576.54	1/4	1,232.59	1/4	898.75	1/4	559.07	1/4	215.14	1/4		1/4			
1/2	2,251.35	1/2	1,912.21	1/2	1,569.37	1/2	1,225.42	1/2	891.89	1/2	551.91	1/2	207.97	1/2		1/2			
3/4	2,244.18	3/4	1,905.24	3/4	1,562.20	3/4	1,218.26	3/4	885.03	3/4	544.74	3/4	200.80	3/4		3/4			
4	2,237.02	4	1,898.27	4	1,555.04	4	1,211.09	4	878.17	4	537.58	4	193.64	4		4			
1/4	2,229.85	1/4	1,891.31	1/4	1,547.87	1/4	1,203.92	1/4	871.31	1/4	530.41	1/4	186.47	1/4		1/4			
1/2	2,222.69	1/2	1,884.34	1/2	1,540.71	1/2	1,196.76	1/2	864.45	1/2	523.25	1/2	179.31	1/2		1/2			
3/4	2,215.53	3/4	1,877.21	3/4	1,533.54	3/4	1,189.59	3/4	857.59	3/4	516.08	3/4	172.14	3/4		3/4			
5	2,208.36	5	1,870.08	5	1,526.38	5	1,182.43	5	850.72	5	508.92	5	164.98	5		5			
1/4	2,201.20	1/4	1,862.95	1/4	1,519.21	1/4	1,175.26	1/4	843.86	1/4	501.75	1/4	157.81	1/4		1/4			
1/2	2,194.03	1/2	1,855.82	1/2	1,512.04	1/2	1,168.10	1/2	837.00	1/2	494.59	1/2	150.65	1/2		1/2			
3/4	2,186.87	3/4	1,848.69	3/4	1,504.88	3/4	1,160.93	3/4	830.14	3/4	487.42	3/4	143.48	3/4		3/4			
6	2,179.71	6	1,841.56	6	1,497.71	6	1,153.76	6	823.28	6	480.26	6	136.32	6		6			
1/4	2,172.54	1/4	1,834.43	1/4	1,490.55	1/4	1,146.60	1/4	816.42	1/4	473.09	1/4	129.15	1/4		1/4			
1/2	2,165.38	1/2	1,827.30	1/2	1,483.38	1/2	1,139.43	1/2	809.56	1/2	465.92	1/2	121.99	1/2		1/2			
3/4	2,158.21	3/4	1,820.14	3/4	1,476.22	3/4	1,132.48	3/4	802.47	3/4	458.76	3/4	114.83	3/4		3/4			
7	2,151.05	7	1,812.98	7	1,469.05	7	1,125.53	7	795.38	7	451.59	7	107.67	7		7			
1/4	2,143.88	1/4	1,805.83	1/4	1,461.89	1/4	1,118.57	1/4	788.29	1/4	444.43	1/4	100.52	1/4		1/4			
1/2	2,136.72	1/2	1,798.67	1/2	1,454.72	1/2	1,111.62	1/2	781.20	1/2	437.26	1/2	93.36	1/2		1/2			
3/4	2,129.56	3/4	1,791.50	3/4	1,447.55	3/4	1,104.74	3/4	774.04	3/4	430.10	3/4	86.22	3/4		3/4			
8	2,122.39	8	1,784.34	8	1,440.39	8	1,097.85	8	766.87	8	422.93	8	79.09	8		8			
1/4	2,115.23	1/4	1,777.17	1/4	1,433.22	1/4	1,090.97	1/4	759.71	1/4	415.77	1/4	71.95	1/4		1/4			
1/2	2,108.06	1/2	1,770.01	1/2	1,426.06	1/2	1,084.09	1/2	752.54	1/2	408.60	1/2	64.81	1/2		1/2			
3/4	2,100.90	3/4	1,762.84	3/4	1,418.89	3/4	1,077.22	3/4	745.37	3/4	401.44	3/4	58.33	3/4		3/4			
9	2,093.73	9	1,755.68	9	1,411.73	9	1,070.34	9	738.21	9	394.27	9	51.84	9		9			
1/4	2,086.57	1/4	1,748.51	1/4	1,404.56	1/4	1,063.47	1/4	731.04	1/4	387.10	1/4	45.36	1/4		1/4			
1/2	2,079.41	1/2	1,741.34	1/2	1,397.40	1/2	1,056.60	1/2	723.88	1/2	379.94	1/2	38.88	1/2		1/2			
3/4	2,072.24	3/4	1,734.18	3/4	1,390.23	3/4	1,049.73	3/4	716.71	3/4	372.77	3/4	33.95	3/4		3/4			
10	2,065.08	10	1,727.01	10	1,383.06	10	1,042.86	10	709.55	10	365.61	10	29.03	10		10			
1/4	2,057.91	1/4	1,719.85	1/4	1,375.90	1/4	1,035.99	1/4	702.38	1/4	358.44	1/4	24.10	1/4		1/4			
1/2	2,050.75	1/2	1,712.68	1/2	1,368.73	1/2	1,029.13	1/2	695.22	1/2	351.28	1/2		1/2		1/2			
3/4	2,043.59	3/4	1,705.52	3/4	1,361.57	3/4	1,022.26	3/4	688.05	3/4	344.11	3/4		3/4		3/4			
11	2,036.42	11	1,698.35	11	1,354.40	11	1,015.40	11	680.89	11	336.95	11		11		11			
1/4	2,029.26	1/4	1,691.18	1/4	1,347.24	1/4	1,008.54	1/4	673.72	1/4	329.78	1/4		1/4		1/4			
1/2	2,022.09	1/2	1,684.02	1/2	1,340.07	1/2	1,001.67	1/2	666.56	1/2	322.62	1/2		1/2		1/2			
3/4	2,014.93	3/4	1,676.85	3/4	1,332.90	3/4	994.81	3/4	659.39	3/4	315.45	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/16/2014 CL  
RECALCULATED: 05/08/2019 SW  
VERIFIED: 03/28/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

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



# BARGE "KIRBY 27727"

## 2 STBD

### ULLAGE TABLE

### HERMETIC

### GAUGE HEIGHT 16'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 324"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	4,714.76	0	4,406.47	0	4,079.48	0	3,736.74	0	3,392.75	0	3,048.75	0	2,704.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,707.66	1/4	4,399.86	1/4	4,072.47	1/4	3,729.57	1/4	3,385.58	1/4	3,041.59	1/4	2,697.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,701.22	1/2	4,393.23	1/2	4,065.42	1/2	3,722.40	1/2	3,378.41	1/2	3,034.42	1/2	2,690.33		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,694.78	3/4	4,386.60	3/4	4,058.37	3/4	3,715.24	3/4	3,371.25	3/4	3,027.25	3/4	2,683.16		
1	1	1	1	1	1	1	4,688.35	1	4,379.96	1	4,051.32	1	3,708.07	1	3,364.08	1	3,020.09	1	2,675.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,681.91	1/4	4,373.33	1/4	4,044.27	1/4	3,700.90	1/4	3,356.91	1/4	3,012.92	1/4	2,668.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,675.68	1/2	4,366.66	1/2	4,037.18	1/2	3,693.74	1/2	3,349.75	1/2	3,005.75	1/2	2,661.65		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,669.45	3/4	4,360.00	3/4	4,030.10	3/4	3,686.57	3/4	3,342.58	3/4	2,998.59	3/4	2,654.48		
2	2	2	2	2	2	2	4,663.21	2	4,353.33	2	4,023.01	2	3,679.41	2	3,335.41	2	2,991.42	2	2,647.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,656.98	1/4	4,346.66	1/4	4,015.93	1/4	3,672.24	1/4	3,328.25	1/4	2,984.25	1/4	2,640.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,650.71	1/2	4,339.97	1/2	4,008.82	1/2	3,665.07	1/2	3,321.08	1/2	2,977.09	1/2	2,632.97		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,644.45	3/4	4,333.27	3/4	4,001.70	3/4	3,657.91	3/4	3,313.91	3/4	2,969.92	3/4	2,625.80		
3	3	3	3	3	3	3	4,638.19	3	4,326.57	3	3,994.59	3	3,650.74	3	3,306.75	3	2,962.76	3	2,618.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,631.93	1/4	4,319.87	1/4	3,987.47	1/4	3,643.57	1/4	3,299.58	1/4	2,955.59	1/4	2,611.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,625.63	1/2	4,313.14	1/2	3,980.32	1/2	3,636.41	1/2	3,292.41	1/2	2,948.42	1/2	2,604.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,619.33	3/4	4,306.42	3/4	3,973.18	3/4	3,629.24	3/4	3,285.25	3/4	2,941.26	3/4	2,597.12		
4	4	4	4	4	4	4	4,613.03	4	4,299.69	4	3,966.03	4	3,622.07	4	3,278.08	4	2,934.09	4	2,589.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,606.73	1/4	4,292.96	1/4	3,958.88	1/4	3,614.91	1/4	3,270.91	1/4	2,926.92	1/4	2,582.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,600.39	1/2	4,286.20	1/2	3,951.72	1/2	3,607.74	1/2	3,263.75	1/2	2,919.76	1/2	2,575.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,594.06	3/4	4,279.44	3/4	3,944.56	3/4	3,600.57	3/4	3,256.58	3/4	2,912.59	3/4	2,568.43		
5	5	5	5	5	5	5	4,587.73	5	4,272.67	5	3,937.40	5	3,593.41	5	3,249.42	5	2,905.42	5	2,561.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,581.39	1/4	4,265.91	1/4	3,930.23	1/4	3,586.24	1/4	3,242.25	1/4	2,898.26	1/4	2,554.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,575.03	1/2	4,259.12	1/2	3,923.07	1/2	3,579.07	1/2	3,235.08	1/2	2,891.09	1/2	2,546.92		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,568.66	3/4	4,252.33	3/4	3,915.90	3/4	3,571.91	3/4	3,227.92	3/4	2,883.92	3/4	2,539.75		
6	6	6	6	6	6	6	4,562.30	6	4,245.53	6	3,908.73	6	3,564.74	6	3,220.75	6	2,876.76	6	2,532.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,555.93	1/4	4,238.74	1/4	3,901.57	1/4	3,557.57	1/4	3,213.58	1/4	2,869.59	1/4	2,525.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,549.54	1/2	4,231.91	1/2	3,894.40	1/2	3,550.41	1/2	3,206.42	1/2	2,862.42	1/2	2,518.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,543.14	3/4	4,225.08	3/4	3,887.23	3/4	3,543.24	3/4	3,199.25	3/4	2,855.25	3/4	2,511.07		
7	7	7	7	7	7	7	4,536.74	7	4,218.25	7	3,880.07	7	3,536.08	7	3,192.08	7	2,848.08	7	2,503.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,844.82	1/4	4,530.35	1/4	4,211.42	1/4	3,872.90	1/4	3,528.91	1/4	3,184.92	1/4	2,840.91	1/4	2,496.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,838.79	1/2	4,523.92	1/2	4,204.54	1/2	3,865.73	1/2	3,521.74	1/2	3,177.75	1/2	2,833.74	1/2	2,489.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,832.75	3/4	4,517.49	3/4	4,197.66	3/4	3,858.57	3/4	3,514.58	3/4	3,170.58	3/4	2,826.57	3/4	2,482.39
8	8	8	8	8	8	8	4,826.72	8	4,511.06	8	4,190.78	8	3,851.40	8	3,507.41	8	3,163.42	8	2,819.40	8	2,475.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,820.69	1/4	4,504.63	1/4	4,183.90	1/4	3,844.23	1/4	3,500.24	1/4	3,156.25	1/4	2,812.23	1/4	2,468.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,813.76	1/2	4,498.15	1/2	4,176.98	1/2	3,837.07	1/2	3,493.08	1/2	3,149.08	1/2	2,805.06	1/2	2,460.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,806.83	3/4	4,491.66	3/4	4,170.07	3/4	3,829.90	3/4	3,485.91	3/4	3,141.92	3/4	2,797.89	3/4	2,453.71
9	9	9	9	9	9	9	4,799.90	9	4,485.17	9	4,163.15	9	3,822.74	9	3,478.74	9	3,134.75	9	2,790.72	9	2,446.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,792.96	1/4	4,478.68	1/4	4,156.23	1/4	3,815.57	1/4	3,471.58	1/4	3,127.58	1/4	2,783.55	1/4	2,439.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,785.86	1/2	4,472.14	1/2	4,149.28	1/2	3,808.40	1/2	3,464.41	1/2	3,120.42	1/2	2,776.38	1/2	2,432.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,778.75	3/4	4,465.61	3/4	4,142.33	3/4	3,801.24	3/4	3,457.24	3/4	3,113.25	3/4	2,769.21	3/4	2,425.02
10	10	10	10	10	10	10	4,771.64	10	4,459.08	10	4,135.38	10	3,794.07	10	3,450.08	10	3,106.09	10	2,762.04	10	2,417.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,764.53	1/4	4,452.55	1/4	4,128.44	1/4	3,786.90	1/4	3,442.91	1/4	3,098.92	1/4	2,754.87	1/4	2,410.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,757.42	1/2	4,445.98	1/2	4,121.46	1/2	3,779.74	1/2	3,435.74	1/2	3,091.75	1/2	2,747.70	1/2	2,403.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,750.31	3/4	4,439.41	3/4	4,114.47	3/4	3,772.57	3/4	3,428.58	3/4	3,084.59	3/4	2,740.53	3/4	2,396.34
11	11	11	11	11	11	11	4,743.20	11	4,432.84	11	4,107.49	11	3,765.40	11	3,421.41	11	3,077.42	11	2,733.36	11	2,389.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,736.09	1/4	4,426.28	1/4	4,100.51	1/4	3,758.24	1/4	3,414.24	1/4	3,070.25	1/4	2,726.18	1/4	2,382.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,728.98	1/2	4,419.67	1/2	4,093.50	1/2	3,751.07	1/2	3,407.08	1/2	3,063.09	1/2	2,719.01	1/2	2,374.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,721.87	3/4	4,413.07	3/4	4,086.49	3/4	3,743.90	3/4	3,399.91	3/4	3,055.92	3/4	2,711.84	3/4	2,367.66

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

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





# BARGE "KIRBY 27727"

## 2 STBD ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-10"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 324"

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	2,360.49	0	2,016.31	0	1,677.92	0	1,333.67	0	989.54	0	645.62	0	301.38	0		0			
1/4	2,353.32	1/4	2,009.13	1/4	1,670.75	1/4	1,326.50	1/4	982.38	1/4	638.45	1/4	294.21	1/4		1/4			
1/2	2,346.15	1/2	2,001.96	1/2	1,663.57	1/2	1,319.32	1/2	975.22	1/2	631.28	1/2	287.04	1/2		1/2			
3/4	2,338.98	3/4	1,994.79	3/4	1,656.40	3/4	1,312.15	3/4	968.06	3/4	624.11	3/4	279.87	3/4		3/4			
1	2,331.81	1	1,987.62	1	1,649.23	1	1,304.98	1	960.90	1	616.94	1	272.70	1		1			
1/4	2,324.64	1/4	1,980.45	1/4	1,642.06	1/4	1,297.81	1/4	953.74	1/4	609.77	1/4	265.52	1/4		1/4			
1/2	2,317.47	1/2	1,973.79	1/2	1,634.89	1/2	1,290.64	1/2	946.58	1/2	602.59	1/2	258.35	1/2		1/2			
3/4	2,310.30	3/4	1,967.13	3/4	1,627.72	3/4	1,283.46	3/4	939.43	3/4	595.42	3/4	251.18	3/4		3/4			
2	2,303.13	2	1,960.47	2	1,620.54	2	1,276.29	2	932.27	2	588.25	2	244.01	2		2			
1/4	2,295.95	1/4	1,953.80	1/4	1,613.37	1/4	1,269.12	1/4	925.11	1/4	581.08	1/4	236.84	1/4		1/4			
1/2	2,288.78	1/2	1,947.31	1/2	1,606.20	1/2	1,261.95	1/2	917.95	1/2	573.91	1/2	229.67	1/2		1/2			
3/4	2,281.61	3/4	1,940.82	3/4	1,599.03	3/4	1,254.78	3/4	910.79	3/4	566.74	3/4	222.49	3/4		3/4			
3	2,274.44	3	1,934.33	3	1,591.86	3	1,247.60	3	903.63	3	559.56	3	215.32	3		3			
1/4	2,267.27	1/4	1,927.84	1/4	1,584.68	1/4	1,240.43	1/4	896.47	1/4	552.39	1/4	208.15	1/4		1/4			
1/2	2,260.10	1/2	1,920.86	1/2	1,577.51	1/2	1,233.26	1/2	889.31	1/2	545.22	1/2	200.98	1/2		1/2			
3/4	2,252.93	3/4	1,913.88	3/4	1,570.34	3/4	1,226.09	3/4	882.15	3/4	538.05	3/4	193.81	3/4		3/4			
4	2,245.76	4	1,906.91	4	1,563.17	4	1,218.92	4	874.99	4	530.88	4	186.64	4		4			
1/4	2,238.59	1/4	1,899.93	1/4	1,556.00	1/4	1,211.75	1/4	867.84	1/4	523.71	1/4	179.46	1/4		1/4			
1/2	2,231.42	1/2	1,892.80	1/2	1,548.82	1/2	1,204.57	1/2	860.68	1/2	516.53	1/2	172.29	1/2		1/2			
3/4	2,224.25	3/4	1,885.66	3/4	1,541.65	3/4	1,197.40	3/4	853.52	3/4	509.36	3/4	165.12	3/4		3/4			
5	2,217.08	5	1,878.52	5	1,534.48	5	1,190.23	5	846.36	5	502.19	5	157.95	5		5			
1/4	2,209.91	1/4	1,871.39	1/4	1,527.31	1/4	1,183.06	1/4	839.20	1/4	495.02	1/4	150.78	1/4		1/4			
1/2	2,202.74	1/2	1,864.25	1/2	1,520.14	1/2	1,175.89	1/2	832.04	1/2	487.85	1/2	143.61	1/2		1/2			
3/4	2,195.57	3/4	1,857.11	3/4	1,512.97	3/4	1,168.71	3/4	824.88	3/4	480.68	3/4	136.44	3/4		3/4			
6	2,188.40	6	1,849.98	6	1,505.79	6	1,161.54	6	817.72	6	473.50	6	129.26	6		6			
1/4	2,181.23	1/4	1,842.84	1/4	1,498.62	1/4	1,154.37	1/4	810.56	1/4	466.33	1/4	122.09	1/4		1/4			
1/2	2,174.06	1/2	1,835.68	1/2	1,491.45	1/2	1,147.20	1/2	803.39	1/2	459.16	1/2	114.93	1/2		1/2			
3/4	2,166.89	3/4	1,828.51	3/4	1,484.28	3/4	1,140.03	3/4	796.23	3/4	451.99	3/4	107.77	3/4		3/4			
7	2,159.72	7	1,821.35	7	1,477.11	7	1,132.85	7	789.06	7	444.82	7	100.60	7		7			
1/4	2,152.54	1/4	1,814.18	1/4	1,469.93	1/4	1,125.68	1/4	781.89	1/4	437.65	1/4	93.44	1/4		1/4			
1/2	2,145.37	1/2	1,807.01	1/2	1,462.76	1/2	1,118.51	1/2	774.72	1/2	430.47	1/2	86.30	1/2		1/2			
3/4	2,138.20	3/4	1,799.84	3/4	1,455.59	3/4	1,111.34	3/4	767.54	3/4	423.30	3/4	79.15	3/4		3/4			
8	2,131.03	8	1,792.67	8	1,448.42	8	1,104.17	8	760.37	8	416.13	8	72.01	8		8			
1/4	2,123.86	1/4	1,785.50	1/4	1,441.25	1/4	1,096.99	1/4	753.20	1/4	408.96	1/4	64.87	1/4		1/4			
1/2	2,116.69	1/2	1,778.33	1/2	1,434.07	1/2	1,089.83	1/2	746.03	1/2	401.79	1/2	58.38	1/2		1/2			
3/4	2,109.52	3/4	1,771.15	3/4	1,426.90	3/4	1,082.66	3/4	738.86	3/4	394.62	3/4	51.89	3/4		3/4			
9	2,102.35	9	1,763.98	9	1,419.73	9	1,075.49	9	731.68	9	387.44	9	45.40	9		9			
1/4	2,095.18	1/4	1,756.81	1/4	1,412.56	1/4	1,068.32	1/4	724.51	1/4	380.27	1/4	38.91	1/4		1/4			
1/2	2,088.01	1/2	1,749.64	1/2	1,405.39	1/2	1,061.16	1/2	717.34	1/2	373.10	1/2	33.98	1/2		1/2			
3/4	2,080.84	3/4	1,742.47	3/4	1,398.21	3/4	1,053.99	3/4	710.17	3/4	365.93	3/4	29.05	3/4		3/4			
10	2,073.67	10	1,735.29	10	1,391.04	10	1,046.82	10	703.00	10	358.76	10	24.12	10		10			
1/4	2,066.50	1/4	1,728.12	1/4	1,383.87	1/4	1,039.66	1/4	695.83	1/4	351.58	1/4		1/4		1/4			
1/2	2,059.33	1/2	1,720.95	1/2	1,376.70	1/2	1,032.50	1/2	688.65	1/2	344.41	1/2		1/2		1/2			
3/4	2,052.16	3/4	1,713.78	3/4	1,369.53	3/4	1,025.34	3/4	681.48	3/4	337.24	3/4		3/4		3/4			
11	2,044.99	11	1,706.61	11	1,362.36	11	1,018.18	11	674.31	11	330.07	11		11		11			
1/4	2,037.82	1/4	1,699.43	1/4	1,355.18	1/4	1,011.02	1/4	667.14	1/4	322.90	1/4		1/4		1/4			
1/2	2,030.65	1/2	1,692.26	1/2	1,348.01	1/2	1,003.86	1/2	659.97	1/2	315.73	1/2		1/2		1/2			
3/4	2,023.48	3/4	1,685.09	3/4	1,340.84	3/4	996.70	3/4	652.80	3/4	308.55	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/16/2014 CL  
RECALCULATED: 05/08/2019 SW  
VERIFIED: 03/28/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

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



# BARGE "KIRBY 27727"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 324"

GAUGE HEIGHT 16'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,340.66	0	4,165.67	0	3,979.09	0	3,783.98	0	3,549.96	0	3,187.08	0	2,823.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,337.01	1/4	4,161.90	1/4	3,975.09	1/4	3,779.91	1/4	3,542.41	1/4	3,179.51	1/4	2,815.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,333.36	1/2	4,158.13	1/2	3,971.08	1/2	3,775.83	1/2	3,534.85	1/2	3,171.93	1/2	2,808.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,329.82	3/4	4,154.34	3/4	3,967.05	3/4	3,771.76	3/4	3,527.30	3/4	3,164.36	3/4	2,800.77
1		1		1		1	4,326.28	1	4,150.56	1	3,963.02	1	3,767.68	1	3,519.75	1	3,156.79	1	2,793.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,322.74	1/4	4,146.77	1/4	3,958.99	1/4	3,763.61	1/4	3,512.19	1/4	3,149.21	1/4	2,785.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,319.21	1/2	4,142.98	1/2	3,954.96	1/2	3,759.53	1/2	3,504.64	1/2	3,141.64	1/2	2,778.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,315.65	3/4	4,139.17	3/4	3,950.92	3/4	3,755.46	3/4	3,497.09	3/4	3,134.07	3/4	2,770.46
2		2		2		2	4,312.10	2	4,135.37	2	3,946.87	2	3,751.38	2	3,489.54	2	3,126.49	2	2,762.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,308.54	1/4	4,131.56	1/4	3,942.83	1/4	3,747.31	1/4	3,481.98	1/4	3,118.92	1/4	2,755.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,304.99	1/2	4,127.75	1/2	3,938.78	1/2	3,743.23	1/2	3,474.43	1/2	3,111.35	1/2	2,747.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,301.41	3/4	4,123.93	3/4	3,934.72	3/4	3,739.16	3/4	3,466.88	3/4	3,103.77	3/4	2,740.16
3		3		3		3	4,297.84	3	4,120.11	3	3,930.65	3	3,735.08	3	3,459.33	3	3,096.20	3	2,732.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,294.26	1/4	4,116.28	1/4	3,926.59	1/4	3,731.01	1/4	3,451.77	1/4	3,088.63	1/4	2,725.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,290.69	1/2	4,112.46	1/2	3,922.53	1/2	3,726.93	1/2	3,444.22	1/2	3,081.05	1/2	2,717.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,287.09	3/4	4,108.62	3/4	3,918.45	3/4	3,722.86	3/4	3,436.67	3/4	3,073.48	3/4	2,709.86
4		4		4		4	4,283.50	4	4,104.77	4	3,914.38	4	3,718.78	4	3,429.12	4	3,065.91	4	2,702.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,279.91	1/4	4,100.93	1/4	3,910.31	1/4	3,714.71	1/4	3,421.56	1/4	3,058.33	1/4	2,694.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,276.31	1/2	4,097.09	1/2	3,906.23	1/2	3,710.63	1/2	3,414.01	1/2	3,050.76	1/2	2,687.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,272.70	3/4	4,093.23	3/4	3,902.16	3/4	3,706.56	3/4	3,406.46	3/4	3,043.19	3/4	2,679.55
5		5		5		5	4,269.09	5	4,089.37	5	3,898.08	5	3,702.48	5	3,398.91	5	3,035.61	5	2,671.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,265.47	1/4	4,085.51	1/4	3,894.01	1/4	3,698.41	1/4	3,391.35	1/4	3,028.04	1/4	2,664.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,261.86	1/2	4,081.65	1/2	3,889.93	1/2	3,694.33	1/2	3,383.80	1/2	3,020.47	1/2	2,656.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,258.23	3/4	4,077.77	3/4	3,885.86	3/4	3,690.26	3/4	3,376.25	3/4	3,012.89	3/4	2,649.24
6		6		6		6	4,254.60	6	4,073.88	6	3,881.78	6	3,686.18	6	3,368.69	6	3,005.32	6	2,641.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,250.97	1/4	4,070.00	1/4	3,877.71	1/4	3,682.11	1/4	3,361.14	1/4	2,997.74	1/4	2,634.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,423.38	1/2	4,247.34	1/2	4,066.12	1/2	3,873.63	1/2	3,678.03	1/2	3,353.59	1/2	2,990.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,420.48	3/4	4,243.69	3/4	4,062.21	3/4	3,869.56	3/4	3,673.96	3/4	3,346.04	3/4	2,982.59
7		7		7		7	4,417.59	7	4,240.04	7	4,058.30	7	3,865.48	7	3,669.88	7	3,338.48	7	2,975.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,414.69	1/4	4,236.40	1/4	4,054.39	1/4	3,861.41	1/4	3,665.81	1/4	3,330.93	1/4	2,967.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,411.79	1/2	4,232.75	1/2	4,050.47	1/2	3,857.33	1/2	3,661.73	1/2	3,323.38	1/2	2,959.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,407.94	3/4	4,229.06	3/4	4,046.54	3/4	3,853.26	3/4	3,657.66	3/4	3,315.81	3/4	2,952.29
8		8		8		8	4,404.10	8	4,225.37	8	4,042.61	8	3,849.18	8	3,653.58	8	3,308.24	8	2,944.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,400.25	1/4	4,221.69	1/4	4,038.67	1/4	3,845.11	1/4	3,649.51	1/4	3,300.67	1/4	2,937.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,396.40	1/2	4,218.00	1/2	4,034.74	1/2	3,841.03	1/2	3,645.43	1/2	3,293.11	1/2	2,929.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,392.36	3/4	4,214.29	3/4	4,030.79	3/4	3,836.96	3/4	3,640.04	3/4	3,285.53	3/4	2,921.98
9		9		9		9	4,388.33	9	4,210.58	9	4,026.84	9	3,832.88	9	3,634.65	9	3,277.96	9	2,914.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,384.29	1/4	4,206.87	1/4	4,022.89	1/4	3,828.81	1/4	3,629.25	1/4	3,270.39	1/4	2,906.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,380.26	1/2	4,203.15	1/2	4,018.94	1/2	3,824.73	1/2	3,623.86	1/2	3,262.81	1/2	2,899.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,376.22	3/4	4,199.42	3/4	4,014.97	3/4	3,820.66	3/4	3,616.72	3/4	3,255.24	3/4	2,891.68
10		10		10		10	4,372.18	10	4,195.69	10	4,011.00	10	3,816.58	10	3,609.59	10	3,247.67	10	2,884.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,368.15	1/4	4,191.96	1/4	4,007.03	1/4	3,812.51	1/4	3,602.46	1/4	3,240.09	1/4	2,876.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,364.11	1/2	4,188.22	1/2	4,003.06	1/2	3,808.43	1/2	3,595.33	1/2	3,232.52	1/2	2,868.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,360.08	3/4	4,184.47	3/4	3,999.07	3/4	3,804.36	3/4	3,587.77	3/4	3,224.95	3/4	2,861.38
11		11		11		11	4,356.04	11	4,180.72	11	3,995.09	11	3,800.28	11	3,580.20	11	3,217.37	11	2,853.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,352.01	1/4	4,176.97	1/4	3,991.10	1/4	3,796.21	1/4	3,572.64	1/4	3,209.80	1/4	2,846.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,347.97	1/2	4,173.21	1/2	3,987.11	1/2	3,792.13	1/2	3,565.07	1/2	3,202.23	1/2	2,838.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,344.32	3/4	4,169.44	3/4	3,983.10	3/4	3,788.06	3/4	3,557.52	3/4	3,194.65	3/4	2,831.07

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 27727"

## 3 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 16'-09 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 324"

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	2,460.01	0	2,098.47	0	1,742.04	0	1,377.97	0	1,019.43	0	660.54	0	296.30	0		0		0	
1/4	2,452.47	1/4	2,090.95	1/4	1,734.46	1/4	1,370.39	1/4	1,012.08	1/4	652.95	1/4	288.72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,444.92	1/2	2,083.43	1/2	1,726.87	1/2	1,362.80	1/2	1,004.72	1/2	645.36	1/2	281.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,437.38	3/4	2,076.45	3/4	1,719.29	3/4	1,355.22	3/4	997.37	3/4	637.78	3/4	273.54	3/4	3/4	3/4	3/4	3/4	3/4
1	2,429.83	1	2,069.47	1	1,711.70	1	1,347.63	1	990.01	1	630.19	1	265.95	1		1		1	
1/4	2,422.29	1/4	2,062.49	1/4	1,704.12	1/4	1,340.05	1/4	982.66	1/4	622.60	1/4	258.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,414.74	1/2	2,055.50	1/2	1,696.53	1/2	1,332.46	1/2	975.30	1/2	615.01	1/2	250.78	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,407.20	3/4	2,048.70	3/4	1,688.95	3/4	1,324.88	3/4	967.95	3/4	607.42	3/4	243.19	3/4	3/4	3/4	3/4	3/4	3/4
2	2,399.65	2	2,041.90	2	1,681.36	2	1,317.29	2	960.59	2	599.83	2	235.60	2		2		2	
1/4	2,392.11	1/4	2,035.10	1/4	1,673.78	1/4	1,309.71	1/4	953.24	1/4	592.24	1/4	228.01	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,384.56	1/2	2,028.30	1/2	1,666.19	1/2	1,302.12	1/2	945.88	1/2	584.65	1/2	220.42	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,377.02	3/4	2,020.98	3/4	1,658.61	3/4	1,294.54	3/4	938.53	3/4	577.06	3/4	212.84	3/4	3/4	3/4	3/4	3/4	3/4
3	2,369.47	3	2,013.67	3	1,651.02	3	1,286.95	3	931.17	3	569.47	3	205.25	3		3		3	
1/4	2,361.93	1/4	2,006.35	1/4	1,643.44	1/4	1,279.37	1/4	923.82	1/4	561.89	1/4	197.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,354.39	1/2	1,999.04	1/2	1,635.85	1/2	1,271.78	1/2	916.46	1/2	554.30	1/2	190.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,346.84	3/4	1,991.55	3/4	1,628.27	3/4	1,264.20	3/4	909.11	3/4	546.71	3/4	182.48	3/4	3/4	3/4	3/4	3/4	3/4
4	2,339.30	4	1,984.06	4	1,620.68	4	1,256.61	4	901.75	4	539.12	4	174.89	4		4		4	
1/4	2,331.75	1/4	1,976.58	1/4	1,613.10	1/4	1,249.03	1/4	894.40	1/4	531.53	1/4	167.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,324.21	1/2	1,969.09	1/2	1,605.51	1/2	1,241.44	1/2	887.04	1/2	523.94	1/2	159.71	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,316.66	3/4	1,961.60	3/4	1,597.93	3/4	1,233.86	3/4	879.69	3/4	516.35	3/4	152.12	3/4	3/4	3/4	3/4	3/4	3/4
5	2,309.12	5	1,954.12	5	1,590.34	5	1,226.27	5	872.33	5	508.76	5	144.53	5		5		5	
1/4	2,301.57	1/4	1,946.63	1/4	1,582.76	1/4	1,218.69	1/4	864.98	1/4	501.17	1/4	136.94	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,294.03	1/2	1,939.14	1/2	1,575.17	1/2	1,211.10	1/2	857.62	1/2	493.58	1/2	129.35	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,286.50	3/4	1,931.58	3/4	1,567.59	3/4	1,203.68	3/4	850.09	3/4	486.00	3/4	121.77	3/4	3/4	3/4	3/4	3/4	3/4
6	2,278.97	6	1,924.03	6	1,560.01	6	1,196.25	6	842.56	6	478.41	6	114.18	6		6		6	
1/4	2,271.45	1/4	1,916.47	1/4	1,552.42	1/4	1,188.82	1/4	835.03	1/4	470.82	1/4	106.59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,263.92	1/2	1,908.91	1/2	1,544.84	1/2	1,181.40	1/2	827.50	1/2	463.23	1/2	99.01	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,256.40	3/4	1,901.32	3/4	1,537.25	3/4	1,174.02	3/4	819.91	3/4	455.64	3/4	91.44	3/4	3/4	3/4	3/4	3/4	3/4
7	2,248.88	7	1,893.74	7	1,529.67	7	1,166.65	7	812.32	7	448.06	7	83.87	7		7		7	
1/4	2,241.36	1/4	1,886.15	1/4	1,522.08	1/4	1,159.27	1/4	804.73	1/4	440.47	1/4	76.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,233.84	1/2	1,878.57	1/2	1,514.50	1/2	1,151.90	1/2	797.14	1/2	432.88	1/2	68.73	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,226.32	3/4	1,870.98	3/4	1,506.91	3/4	1,144.53	3/4	789.56	3/4	425.29	3/4	61.85	3/4	3/4	3/4	3/4	3/4	3/4
8	2,218.80	8	1,863.40	8	1,499.33	8	1,137.17	8	781.97	8	417.71	8	54.98	8		8		8	
1/4	2,211.28	1/4	1,855.81	1/4	1,491.74	1/4	1,129.80	1/4	774.38	1/4	410.12	1/4	48.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,203.76	1/2	1,848.23	1/2	1,484.16	1/2	1,122.44	1/2	766.79	1/2	402.53	1/2	41.22	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,196.24	3/4	1,840.64	3/4	1,476.57	3/4	1,115.07	3/4	759.20	3/4	394.94	3/4	36.00	3/4	3/4	3/4	3/4	3/4	3/4
9	2,188.72	9	1,833.06	9	1,468.99	9	1,107.71	9	751.61	9	387.36	9	30.77	9		9		9	
1/4	2,181.20	1/4	1,825.47	1/4	1,461.40	1/4	1,100.35	1/4	744.02	1/4	379.77	1/4	25.55	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,173.68	1/2	1,817.89	1/2	1,453.82	1/2	1,092.99	1/2	736.43	1/2	372.18	1/2	20.32	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,166.15	3/4	1,810.30	3/4	1,446.23	3/4	1,085.63	3/4	728.84	3/4	364.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,158.63	10	1,802.72	10	1,438.65	10	1,078.27	10	721.25	10	357.01	10		10		10		10	
1/4	2,151.11	1/4	1,795.13	1/4	1,431.06	1/4	1,070.92	1/4	713.67	1/4	349.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,143.59	1/2	1,787.55	1/2	1,423.48	1/2	1,063.56	1/2	706.08	1/2	341.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,136.07	3/4	1,779.96	3/4	1,415.89	3/4	1,056.21	3/4	698.49	3/4	334.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,128.55	11	1,772.38	11	1,408.31	11	1,048.85	11	690.90	11	326.66	11		11		11		11	
1/4	2,121.03	1/4	1,764.79	1/4	1,400.72	1/4	1,041.50	1/4	683.31	1/4	319.07	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,113.51	1/2	1,757.21	1/2	1,393.14	1/2	1,034.14	1/2	675.72	1/2	311.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,105.99	3/4	1,749.63	3/4	1,385.55	3/4	1,026.79	3/4	668.13	3/4	303.89	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/16/2014 CL  
RECALCULATED: 05/08/2019 SW  
VERIFIED: 03/28/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

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



# BARGE "KIBY 27727"

## 3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 324"

GAUGE HEIGHT 16'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	4,357.44	0	4,182.79	0	3,996.56	0	3,801.80	0	3,568.06	0	3,204.75	0	2,840.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,353.79	1/4	4,179.03	1/4	3,992.56	1/4	3,797.73	1/4	3,560.50	1/4	3,197.17	1/4	2,833.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,350.15	1/2	4,175.27	1/2	3,988.56	1/2	3,793.66	1/2	3,552.94	1/2	3,189.59	1/2	2,825.56		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,346.62	3/4	4,171.49	3/4	3,984.54	3/4	3,789.59	3/4	3,545.38	3/4	3,182.01	3/4	2,817.98		
1	1	1	1	1	1	1	4,343.09	1	4,167.71	1	3,980.52	1	3,785.53	1	3,537.82	1	3,174.42	1	2,810.39		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,339.55	1/4	4,163.92	1/4	3,976.50	1/4	3,781.46	1/4	3,530.26	1/4	3,166.84	1/4	2,802.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,336.02	1/2	4,160.14	1/2	3,972.48	1/2	3,777.39	1/2	3,522.69	1/2	3,159.26	1/2	2,795.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,332.48	3/4	4,156.35	3/4	3,968.44	3/4	3,773.32	3/4	3,515.13	3/4	3,151.68	3/4	2,787.64		
2	2	2	2	2	2	2	4,328.93	2	4,152.55	2	3,964.40	2	3,769.26	2	3,507.57	2	3,144.10	2	2,780.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,325.38	1/4	4,148.75	1/4	3,960.36	1/4	3,765.19	1/4	3,500.01	1/4	3,136.51	1/4	2,772.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,321.83	1/2	4,144.95	1/2	3,956.32	1/2	3,761.12	1/2	3,492.45	1/2	3,128.93	1/2	2,764.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,318.27	3/4	4,141.13	3/4	3,952.27	3/4	3,757.05	3/4	3,484.89	3/4	3,121.35	3/4	2,757.30		
3	3	3	3	3	3	3	4,314.70	3	4,137.31	3	3,948.21	3	3,752.98	3	3,477.32	3	3,113.77	3	2,749.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,311.13	1/4	4,133.50	1/4	3,944.15	1/4	3,748.92	1/4	3,469.76	1/4	3,106.18	1/4	2,742.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,307.56	1/2	4,129.68	1/2	3,940.10	1/2	3,744.85	1/2	3,462.20	1/2	3,098.60	1/2	2,734.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,303.98	3/4	4,125.85	3/4	3,936.03	3/4	3,740.78	3/4	3,454.64	3/4	3,091.02	3/4	2,726.96		
4	4	4	4	4	4	4	4,300.39	4	4,122.01	4	3,931.96	4	3,736.71	4	3,447.08	4	3,083.44	4	2,719.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,296.80	1/4	4,118.18	1/4	3,927.89	1/4	3,732.65	1/4	3,439.52	1/4	3,075.85	1/4	2,711.79		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,293.22	1/2	4,114.34	1/2	3,923.83	1/2	3,728.58	1/2	3,431.96	1/2	3,068.27	1/2	2,704.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,289.61	3/4	4,110.49	3/4	3,919.76	3/4	3,724.51	3/4	3,424.39	3/4	3,060.69	3/4	2,696.62		
5	5	5	5	5	5	5	4,286.01	5	4,106.63	5	3,915.69	5	3,720.44	5	3,416.83	5	3,053.11	5	2,689.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,282.40	1/4	4,102.78	1/4	3,911.62	1/4	3,716.38	1/4	3,409.27	1/4	3,045.53	1/4	2,681.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,278.79	1/2	4,098.93	1/2	3,907.56	1/2	3,712.31	1/2	3,401.71	1/2	3,037.94	1/2	2,673.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,275.17	3/4	4,095.05	3/4	3,903.49	3/4	3,708.24	3/4	3,394.15	3/4	3,030.36	3/4	2,666.27		
6	6	6	6	6	6	6	4,271.55	6	4,091.18	6	3,899.42	6	3,704.17	6	3,386.59	6	3,022.77	6	2,658.68		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,267.93	1/4	4,087.30	1/4	3,895.35	1/4	3,700.10	1/4	3,379.02	1/4	3,015.19	1/4	2,651.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,439.99	1/2	4,264.30	1/2	4,083.43	1/2	3,891.29	1/2	3,696.04	1/2	3,371.46	1/2	3,007.60	1/2	2,643.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,437.10	3/4	4,260.66	3/4	4,079.53	3/4	3,887.22	3/4	3,691.97	3/4	3,363.90	3/4	3,000.02	3/4	2,635.91
7	7	7	7	7	7	7	4,434.21	7	4,257.02	7	4,075.62	7	3,883.15	7	3,687.90	7	3,356.34	7	2,992.43	7	2,628.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,431.32	1/4	4,253.38	1/4	4,071.72	1/4	3,879.08	1/4	3,683.83	1/4	3,348.78	1/4	2,984.85	1/4	2,620.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,428.43	1/2	4,249.74	1/2	4,067.81	1/2	3,875.02	1/2	3,679.77	1/2	3,341.22	1/2	2,977.26	1/2	2,613.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,424.59	3/4	4,246.06	3/4	4,063.89	3/4	3,870.95	3/4	3,675.70	3/4	3,333.64	3/4	2,969.68	3/4	2,605.54
8	8	8	8	8	8	8	4,420.75	8	4,242.38	8	4,059.96	8	3,866.88	8	3,671.63	8	3,326.06	8	2,962.09	8	2,597.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,416.91	1/4	4,238.70	1/4	4,056.03	1/4	3,862.81	1/4	3,667.56	1/4	3,318.48	1/4	2,954.51	1/4	2,590.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,413.07	1/2	4,235.02	1/2	4,052.11	1/2	3,858.74	1/2	3,663.50	1/2	3,310.91	1/2	2,946.92	1/2	2,582.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,409.04	3/4	4,231.32	3/4	4,048.16	3/4	3,854.68	3/4	3,658.11	3/4	3,303.32	3/4	2,939.34	3/4	2,575.17
9	9	9	9	9	9	9	4,405.02	9	4,227.61	9	4,044.22	9	3,850.61	9	3,652.72	9	3,295.74	9	2,931.75	9	2,567.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,400.99	1/4	4,223.91	1/4	4,040.28	1/4	3,846.54	1/4	3,647.33	1/4	3,288.16	1/4	2,924.17	1/4	2,559.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,396.96	1/2	4,220.20	1/2	4,036.33	1/2	3,842.47	1/2	3,641.95	1/2	3,280.58	1/2	2,916.58	1/2	2,552.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,392.93	3/4	4,216.48	3/4	4,032.37	3/4	3,838.41	3/4	3,634.82	3/4	3,272.99	3/4	2,909.00	3/4	2,544.80
10	10	10	10	10	10	10	4,388.90	10	4,212.75	10	4,028.41	10	3,834.34	10	3,627.69	10	3,265.41	10	2,901.41	10	2,537.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,384.87	1/4	4,209.03	1/4	4,024.45	1/4	3,830.27	1/4	3,620.56	1/4	3,257.83	1/4	2,893.83	1/4	2,529.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,380.84	1/2	4,205.30	1/2	4,020.48	1/2	3,826.20	1/2	3,613.43	1/2	3,250.25	1/2	2,886.24	1/2	2,522.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,376.82	3/4	4,201.55	3/4	4,016.50	3/4	3,822.14	3/4	3,605.87	3/4	3,242.66	3/4	2,878.66	3/4	2,514.43
11	11	11	11	11	11	11	4,372.79	11	4,197.81	11	4,012.52	11	3,818.07	11	3,598.31	11	3,235.08	11	2,871.07	11	2,506.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,368.76	1/4	4,194.06	1/4	4,008.54	1/4	3,814.00	1/4	3,590.75	1/4	3,227.50	1/4	2,863.49	1/4	2,499.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,364.73	1/2	4,190.32	1/2	4,004.56	1/2	3,809.93	1/2	3,583.19	1/2	3,219.92	1/2	2,855.90	1/2	2,491.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,361.08	3/4	4,186.56	3/4	4,000.56	3/4	3,805.86	3/4	3,575.63	3/4	3,212.34	3/4	2,848.32	3/4	2,484.07

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "KIRBY 27727"

## 3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 324"

GAUGE HEIGHT 16'-09 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	2,476.47	0	2,112.04	0	1,753.73	0	1,389.23	0	1,024.94	0	660.80	0	296.31	0		0			
1/4	2,468.88	1/4	2,104.45	1/4	1,746.14	1/4	1,381.64	1/4	1,017.36	1/4	653.20	1/4	288.71	1/4	1/4	1/4			
1/2	2,461.29	1/2	2,096.86	1/2	1,738.54	1/2	1,374.05	1/2	1,009.78	1/2	645.61	1/2	281.12	1/2	1/2	1/2			
3/4	2,453.70	3/4	2,089.81	3/4	1,730.95	3/4	1,366.45	3/4	1,002.20	3/4	638.02	3/4	273.53	3/4	3/4	3/4			
1	2,446.10	1	2,082.75	1	1,723.36	1	1,358.86	1	994.62	1	630.42	1	265.93	1	1	1			
1/4	2,438.51	1/4	2,075.70	1/4	1,715.76	1/4	1,351.27	1/4	987.04	1/4	622.83	1/4	258.34	1/4	1/4	1/4			
1/2	2,430.92	1/2	2,068.64	1/2	1,708.17	1/2	1,343.67	1/2	979.47	1/2	615.23	1/2	250.75	1/2	1/2	1/2			
3/4	2,423.33	3/4	2,061.77	3/4	1,700.58	3/4	1,336.08	3/4	971.89	3/4	607.64	3/4	243.15	3/4	3/4	3/4			
2	2,415.74	2	2,054.90	2	1,692.98	2	1,328.49	2	964.31	2	600.05	2	235.56	2	2	2			
1/4	2,408.14	1/4	2,048.02	1/4	1,685.39	1/4	1,320.89	1/4	956.73	1/4	592.45	1/4	227.97	1/4	1/4	1/4			
1/2	2,400.55	1/2	2,041.15	1/2	1,677.80	1/2	1,313.30	1/2	949.15	1/2	584.86	1/2	220.37	1/2	1/2	1/2			
3/4	2,392.96	3/4	2,033.76	3/4	1,670.20	3/4	1,305.70	3/4	941.57	3/4	577.27	3/4	212.78	3/4	3/4	3/4			
3	2,385.37	3	2,026.38	3	1,662.61	3	1,298.11	3	934.00	3	569.67	3	205.19	3	3	3			
1/4	2,377.77	1/4	2,018.99	1/4	1,655.01	1/4	1,290.52	1/4	926.42	1/4	562.08	1/4	197.59	1/4	1/4	1/4			
1/2	2,370.18	1/2	2,011.60	1/2	1,647.42	1/2	1,282.92	1/2	918.84	1/2	554.49	1/2	190.00	1/2	1/2	1/2			
3/4	2,362.59	3/4	2,004.04	3/4	1,639.83	3/4	1,275.33	3/4	911.26	3/4	546.89	3/4	182.41	3/4	3/4	3/4			
4	2,355.00	4	1,996.48	4	1,632.23	4	1,267.74	4	903.68	4	539.30	4	174.81	4	4	4			
1/4	2,347.40	1/4	1,988.93	1/4	1,624.64	1/4	1,260.14	1/4	896.10	1/4	531.71	1/4	167.22	1/4	1/4	1/4			
1/2	2,339.81	1/2	1,981.37	1/2	1,617.05	1/2	1,252.55	1/2	888.53	1/2	524.11	1/2	159.62	1/2	1/2	1/2			
3/4	2,332.22	3/4	1,973.81	3/4	1,609.45	3/4	1,244.95	3/4	880.95	3/4	516.52	3/4	152.03	3/4	3/4	3/4			
5	2,324.63	5	1,966.25	5	1,601.86	5	1,237.36	5	873.37	5	508.93	5	144.44	5	5	5			
1/4	2,317.04	1/4	1,958.69	1/4	1,594.26	1/4	1,229.77	1/4	865.79	1/4	501.33	1/4	136.85	1/4	1/4	1/4			
1/2	2,309.44	1/2	1,951.14	1/2	1,586.67	1/2	1,222.17	1/2	858.21	1/2	493.74	1/2	129.25	1/2	1/2	1/2			
3/4	2,301.85	3/4	1,943.55	3/4	1,579.08	3/4	1,214.58	3/4	850.62	3/4	486.15	3/4	121.67	3/4	3/4	3/4			
6	2,294.26	6	1,935.96	6	1,571.48	6	1,206.99	6	843.03	6	478.55	6	114.08	6	6	6			
1/4	2,286.67	1/4	1,928.38	1/4	1,563.89	1/4	1,199.39	1/4	835.44	1/4	470.96	1/4	106.50	1/4	1/4	1/4			
1/2	2,279.07	1/2	1,920.79	1/2	1,556.30	1/2	1,191.80	1/2	827.85	1/2	463.36	1/2	98.91	1/2	1/2	1/2			
3/4	2,271.48	3/4	1,913.20	3/4	1,548.70	3/4	1,184.20	3/4	820.26	3/4	455.77	3/4	91.35	3/4	3/4	3/4			
7	2,263.89	7	1,905.61	7	1,541.11	7	1,176.61	7	812.67	7	448.18	7	83.79	7	7	7			
1/4	2,256.30	1/4	1,898.01	1/4	1,533.51	1/4	1,169.02	1/4	805.07	1/4	440.58	1/4	76.23	1/4	1/4	1/4			
1/2	2,248.70	1/2	1,890.42	1/2	1,525.92	1/2	1,161.42	1/2	797.48	1/2	432.99	1/2	68.66	1/2	1/2	1/2			
3/4	2,241.11	3/4	1,882.83	3/4	1,518.33	3/4	1,153.84	3/4	789.89	3/4	425.40	3/4	61.79	3/4	3/4	3/4			
8	2,233.52	8	1,875.23	8	1,510.73	8	1,146.25	8	782.29	8	417.80	8	54.92	8	8	8			
1/4	2,225.93	1/4	1,867.64	1/4	1,503.14	1/4	1,138.66	1/4	774.70	1/4	410.21	1/4	48.05	1/4	1/4	1/4			
1/2	2,218.34	1/2	1,860.04	1/2	1,495.55	1/2	1,131.07	1/2	767.10	1/2	402.62	1/2	41.18	1/2	1/2	1/2			
3/4	2,210.74	3/4	1,852.45	3/4	1,487.95	3/4	1,123.49	3/4	759.51	3/4	395.02	3/4	35.96	3/4	3/4	3/4			
9	2,203.15	9	1,844.86	9	1,480.36	9	1,115.90	9	751.92	9	387.43	9	30.74	9	9	9			
1/4	2,195.56	1/4	1,837.26	1/4	1,472.77	1/4	1,108.32	1/4	744.32	1/4	379.84	1/4	25.52	1/4	1/4	1/4			
1/2	2,187.97	1/2	1,829.67	1/2	1,465.17	1/2	1,100.73	1/2	736.73	1/2	372.24	1/2	20.30	1/2	1/2	1/2			
3/4	2,180.37	3/4	1,822.08	3/4	1,457.58	3/4	1,093.15	3/4	729.14	3/4	364.65	3/4		3/4	3/4	3/4			
10	2,172.78	10	1,814.48	10	1,449.98	10	1,085.57	10	721.54	10	357.06	10		10	10	10			
1/4	2,165.19	1/4	1,806.89	1/4	1,442.39	1/4	1,077.99	1/4	713.95	1/4	349.46	1/4		1/4	1/4	1/4			
1/2	2,157.60	1/2	1,799.29	1/2	1,434.80	1/2	1,070.41	1/2	706.36	1/2	341.87	1/2		1/2	1/2	1/2			
3/4	2,150.00	3/4	1,791.70	3/4	1,427.20	3/4	1,062.83	3/4	698.76	3/4	334.28	3/4		3/4	3/4	3/4			
11	2,142.41	11	1,784.11	11	1,419.61	11	1,055.25	11	691.17	11	326.68	11		11	11	11			
1/4	2,134.82	1/4	1,776.51	1/4	1,412.02	1/4	1,047.67	1/4	683.58	1/4	319.09	1/4		1/4	1/4	1/4			
1/2	2,127.23	1/2	1,768.92	1/2	1,404.42	1/2	1,040.09	1/2	675.98	1/2	311.49	1/2		1/2	1/2	1/2			
3/4	2,119.64	3/4	1,761.33	3/4	1,396.83	3/4	1,032.52	3/4	668.39	3/4	303.90	3/4		3/4	3/4	3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/16/2014 CL  
RECALCULATED: 05/08/2019 SW  
VERIFIED: 03/28/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
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# BARGE "KIRBY 27727"

## 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	1,639	0	3,278	0	4,917	0	6,555	0	8,194	0	9,833	0		0		0	
1/4	34	1/4	1,673	1/4	3,312	1/4	4,951	1/4	6,590	1/4	8,228	1/4	9,867	1/4		1/4		1/4	
1/2	68	1/2	1,707	1/2	3,346	1/2	4,985	1/2	6,624	1/2	8,262	1/2	9,901	1/2		1/2		1/2	
3/4	102	3/4	1,741	3/4	3,380	3/4	5,019	3/4	6,658	3/4	8,297	3/4	9,936	3/4		3/4		3/4	
1	137	1	1,775	1	3,414	1	5,053	1	6,692	1	8,331	1	9,970	1		1		1	
1/4	171	1/4	1,810	1/4	3,448	1/4	5,087	1/4	6,726	1/4	8,365	1/4	10,004	1/4		1/4		1/4	
1/2	205	1/2	1,844	1/2	3,483	1/2	5,121	1/2	6,760	1/2	8,399	1/2	10,038	1/2		1/2		1/2	
3/4	239	3/4	1,878	3/4	3,517	3/4	5,156	3/4	6,794	3/4	8,433	3/4	10,072	3/4		3/4		3/4	
2	273	2	1,912	2	3,551	2	5,190	2	6,829	2	8,467	2	10,106	2		2		2	
1/4	307	1/4	1,946	1/4	3,585	1/4	5,224	1/4	6,863	1/4	8,502	1/4	10,140	1/4		1/4		1/4	
1/2	341	1/2	1,980	1/2	3,619	1/2	5,258	1/2	6,897	1/2	8,536	1/2	10,175	1/2		1/2		1/2	
3/4	376	3/4	2,014	3/4	3,653	3/4	5,292	3/4	6,931	3/4	8,570	3/4		3/4		3/4		3/4	
3	410	3	2,049	3	3,687	3	5,326	3	6,965	3	8,604	3		3		3		3	
1/4	444	1/4	2,083	1/4	3,722	1/4	5,360	1/4	6,999	1/4	8,638	1/4		1/4		1/4		1/4	
1/2	478	1/2	2,117	1/2	3,756	1/2	5,395	1/2	7,033	1/2	8,672	1/2		1/2		1/2		1/2	
3/4	512	3/4	2,151	3/4	3,790	3/4	5,429	3/4	7,068	3/4	8,706	3/4		3/4		3/4		3/4	
4	546	4	2,185	4	3,824	4	5,463	4	7,102	4	8,741	4		4		4		4	
1/4	580	1/4	2,219	1/4	3,858	1/4	5,497	1/4	7,136	1/4	8,775	1/4		1/4		1/4		1/4	
1/2	615	1/2	2,253	1/2	3,892	1/2	5,531	1/2	7,170	1/2	8,809	1/2		1/2		1/2		1/2	
3/4	649	3/4	2,288	3/4	3,926	3/4	5,565	3/4	7,204	3/4	8,843	3/4		3/4		3/4		3/4	
5	683	5	2,322	5	3,961	5	5,599	5	7,238	5	8,877	5		5		5		5	
1/4	717	1/4	2,356	1/4	3,995	1/4	5,634	1/4	7,272	1/4	8,911	1/4		1/4		1/4		1/4	
1/2	751	1/2	2,390	1/2	4,029	1/2	5,668	1/2	7,307	1/2	8,945	1/2		1/2		1/2		1/2	
3/4	785	3/4	2,424	3/4	4,063	3/4	5,702	3/4	7,341	3/4	8,980	3/4		3/4		3/4		3/4	
6	819	6	2,458	6	4,097	6	5,736	6	7,375	6	9,014	6		6		6		6	
1/4	854	1/4	2,492	1/4	4,131	1/4	5,770	1/4	7,409	1/4	9,048	1/4		1/4		1/4		1/4	
1/2	888	1/2	2,527	1/2	4,165	1/2	5,804	1/2	7,443	1/2	9,082	1/2		1/2		1/2		1/2	
3/4	922	3/4	2,561	3/4	4,200	3/4	5,838	3/4	7,477	3/4	9,116	3/4		3/4		3/4		3/4	
7	956	7	2,595	7	4,234	7	5,873	7	7,511	7	9,150	7		7		7		7	
1/4	990	1/4	2,629	1/4	4,268	1/4	5,907	1/4	7,546	1/4	9,184	1/4		1/4		1/4		1/4	
1/2	1,024	1/2	2,663	1/2	4,302	1/2	5,941	1/2	7,580	1/2	9,219	1/2		1/2		1/2		1/2	
3/4	1,058	3/4	2,697	3/4	4,336	3/4	5,975	3/4	7,614	3/4	9,253	3/4		3/4		3/4		3/4	
8	1,093	8	2,731	8	4,370	8	6,009	8	7,648	8	9,287	8		8		8		8	
1/4	1,127	1/4	2,766	1/4	4,404	1/4	6,043	1/4	7,682	1/4	9,321	1/4		1/4		1/4		1/4	
1/2	1,161	1/2	2,800	1/2	4,439	1/2	6,077	1/2	7,716	1/2	9,355	1/2		1/2		1/2		1/2	
3/4	1,195	3/4	2,834	3/4	4,473	3/4	6,112	3/4	7,750	3/4	9,389	3/4		3/4		3/4		3/4	
9	1,229	9	2,868	9	4,507	9	6,146	9	7,785	9	9,423	9		9		9		9	
1/4	1,263	1/4	2,902	1/4	4,541	1/4	6,180	1/4	7,819	1/4	9,458	1/4		1/4		1/4		1/4	
1/2	1,297	1/2	2,936	1/2	4,575	1/2	6,214	1/2	7,853	1/2	9,492	1/2		1/2		1/2		1/2	
3/4	1,332	3/4	2,970	3/4	4,609	3/4	6,248	3/4	7,887	3/4	9,526	3/4		3/4		3/4		3/4	
10	1,366	10	3,005	10	4,643	10	6,282	10	7,921	10	9,560	10		10		10		10	
1/4	1,400	1/4	3,039	1/4	4,678	1/4	6,316	1/4	7,955	1/4	9,594	1/4		1/4		1/4		1/4	
1/2	1,434	1/2	3,073	1/2	4,712	1/2	6,351	1/2	7,989	1/2	9,628	1/2		1/2		1/2		1/2	
3/4	1,468	3/4	3,107	3/4	4,746	3/4	6,385	3/4	8,024	3/4	9,662	3/4		3/4		3/4		3/4	
11	1,502	11	3,141	11	4,780	11	6,419	11	8,058	11	9,697	11		11		11		11	
1/4	1,536	1/4	3,175	1/4	4,814	1/4	6,453	1/4	8,092	1/4	9,731	1/4		1/4		1/4		1/4	
1/2	1,571	1/2	3,209	1/2	4,848	1/2	6,487	1/2	8,126	1/2	9,765	1/2		1/2		1/2		1/2	
3/4	1,605	3/4	3,244	3/4	4,882	3/4	6,521	3/4	8,160	3/4	9,799	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: 03/27/2024 JS  
 CALCULATED: 03/28/2024 CL  
 PRINTED: 03/28/2024 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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