



BARGE "KIRBY 27720"

ULLAGE TRIM TABLE

"HERMETIC"

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

(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 - 00-5/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 241'-03"

July 1, 2024

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

<http://www.pmacorp.net>



BARGE "KIRBY 27720"

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	2,365.04	0	1,998.50	0	1,631.95	0	1,266.04	0	901.49	0	535.43	0	194.32	0		0		0	
1/4	2,357.40	1/4	1,990.86	1/4	1,624.31	1/4	1,258.41	1/4	893.91	1/4	527.79	1/4	187.54	1/4	1/4		1/4		1/4
1/2	2,349.77	1/2	1,983.23	1/2	1,616.68	1/2	1,250.78	1/2	886.33	1/2	520.38	1/2	180.86	1/2	1/2		1/2		1/2
3/4	2,342.13	3/4	1,975.59	3/4	1,609.04	3/4	1,243.14	3/4	878.75	3/4	512.96	3/4	174.18	3/4	3/4		3/4		3/4
1	2,334.49	1	1,967.96	1	1,601.40	1	1,235.50	1	871.17	1	505.55	1	167.50	1	1		1		1
1/4	2,326.86	1/4	1,960.32	1/4	1,593.77	1/4	1,227.87	1/4	863.59	1/4	498.14	1/4	160.82	1/4	1/4		1/4		1/4
1/2	2,319.22	1/2	1,952.68	1/2	1,586.13	1/2	1,220.23	1/2	856.00	1/2	491.19	1/2	154.23	1/2	1/2		1/2		1/2
3/4	2,311.58	3/4	1,945.05	3/4	1,578.49	3/4	1,212.59	3/4	848.40	3/4	484.25	3/4	147.64	3/4	3/4		3/4		3/4
2	2,303.95	2	1,937.41	2	1,570.86	2	1,204.95	2	840.80	2	477.31	2	141.06	2	2		2		2
1/4	2,296.31	1/4	1,929.77	1/4	1,563.22	1/4	1,197.32	1/4	833.21	1/4	470.36	1/4	134.47	1/4	1/4		1/4		1/4
1/2	2,288.68	1/2	1,922.14	1/2	1,555.58	1/2	1,189.69	1/2	825.59	1/2	463.48	1/2	128.19	1/2	1/2		1/2		1/2
3/4	2,281.04	3/4	1,914.50	3/4	1,547.95	3/4	1,182.07	3/4	817.96	3/4	456.60	3/4	121.92	3/4	3/4		3/4		3/4
3	2,273.40	3	1,906.86	3	1,540.31	3	1,174.45	3	810.34	3	449.72	3	115.64	3	3		3		3
1/4	2,265.77	1/4	1,899.23	1/4	1,532.67	1/4	1,166.83	1/4	802.72	1/4	442.84	1/4	109.36	1/4	1/4		1/4		1/4
1/2	2,258.13	1/2	1,891.59	1/2	1,525.04	1/2	1,159.23	1/2	795.08	1/2	435.61	1/2	103.61	1/2	1/2		1/2		1/2
3/4	2,250.50	3/4	1,883.95	3/4	1,517.40	3/4	1,151.64	3/4	787.45	3/4	428.37	3/4	97.87	3/4	3/4		3/4		3/4
4	2,242.86	4	1,876.32	4	1,509.77	4	1,144.04	4	779.81	4	421.14	4	92.12	4	4		4		4
1/4	2,235.22	1/4	1,868.68	1/4	1,502.13	1/4	1,136.44	1/4	772.17	1/4	413.90	1/4	86.37	1/4	1/4		1/4		1/4
1/2	2,227.59	1/2	1,861.04	1/2	1,494.49	1/2	1,128.86	1/2	764.54	1/2	406.54	1/2	80.72	1/2	1/2		1/2		1/2
3/4	2,219.95	3/4	1,853.41	3/4	1,486.86	3/4	1,121.28	3/4	756.90	3/4	399.18	3/4	75.08	3/4	3/4		3/4		3/4
5	2,212.31	5	1,845.77	5	1,479.22	5	1,113.70	5	749.26	5	391.82	5	69.43	5	5		5		5
1/4	2,204.68	1/4	1,838.13	1/4	1,471.58	1/4	1,106.12	1/4	741.63	1/4	384.46	1/4	63.78	1/4	1/4		1/4		1/4
1/2	2,197.04	1/2	1,830.50	1/2	1,463.96	1/2	1,098.54	1/2	733.99	1/2	377.19	1/2	57.80	1/2	1/2		1/2		1/2
3/4	2,189.41	3/4	1,822.86	3/4	1,456.34	3/4	1,090.97	3/4	726.35	3/4	369.93	3/4	51.82	3/4	3/4		3/4		3/4
6	2,181.77	6	1,815.23	6	1,448.71	6	1,083.39	6	718.71	6	362.66	6	45.84	6	6		6		6
1/4	2,174.13	1/4	1,807.59	1/4	1,441.09	1/4	1,075.81	1/4	711.08	1/4	355.39	1/4	39.86	1/4	1/4		1/4		1/4
1/2	2,166.50	1/2	1,799.95	1/2	1,433.48	1/2	1,068.23	1/2	703.44	1/2	348.20	1/2	34.35	1/2	1/2		1/2		1/2
3/4	2,158.86	3/4	1,792.32	3/4	1,425.87	3/4	1,060.65	3/4	695.80	3/4	341.01	3/4	28.85	3/4	3/4		3/4		3/4
7	2,151.22	7	1,784.68	7	1,418.27	7	1,053.07	7	688.17	7	333.82	7	23.34	7	7		7		7
1/4	2,143.59	1/4	1,777.04	1/4	1,410.66	1/4	1,045.49	1/4	680.53	1/4	326.63	1/4	17.83	1/4	1/4		1/4		1/4
1/2	2,135.95	1/2	1,769.41	1/2	1,403.05	1/2	1,037.91	1/2	672.89	1/2	319.51	1/2	14.27	1/2	1/2		1/2		1/2
3/4	2,128.32	3/4	1,761.77	3/4	1,395.44	3/4	1,030.33	3/4	665.26	3/4	312.39	3/4	10.71	3/4	3/4		3/4		3/4
8	2,120.68	8	1,754.13	8	1,387.83	8	1,022.75	8	657.62	8	305.27	8	7.15	8	8		8		8
1/4	2,113.04	1/4	1,746.50	1/4	1,380.22	1/4	1,015.18	1/4	649.98	1/4	298.15	1/4	3.59	1/4	1/4		1/4		1/4
1/2	2,105.41	1/2	1,738.86	1/2	1,372.61	1/2	1,007.60	1/2	642.35	1/2	291.11	1/2		1/2	1/2		1/2		1/2
3/4	2,097.77	3/4	1,731.22	3/4	1,365.00	3/4	1,000.02	3/4	634.71	3/4	284.07	3/4		3/4	3/4		3/4		3/4
9	2,090.14	9	1,723.59	9	1,357.39	9	992.44	9	627.07	9	277.02	9		9	9		9		9
1/4	2,082.50	1/4	1,715.95	1/4	1,349.78	1/4	984.86	1/4	619.44	1/4	269.98	1/4		1/4	1/4		1/4		1/4
1/2	2,074.86	1/2	1,708.31	1/2	1,342.17	1/2	977.28	1/2	611.80	1/2	263.02	1/2		1/2	1/2		1/2		1/2
3/4	2,067.23	3/4	1,700.68	3/4	1,334.56	3/4	969.70	3/4	604.16	3/4	256.07	3/4		3/4	3/4		3/4		3/4
10	2,059.59	10	1,693.04	10	1,326.96	10	962.12	10	596.53	10	249.11	10		10	10		10		10
1/4	2,051.95	1/4	1,685.40	1/4	1,319.35	1/4	954.54	1/4	588.89	1/4	242.15	1/4		1/4	1/4		1/4		1/4
1/2	2,044.32	1/2	1,677.77	1/2	1,311.74	1/2	946.97	1/2	581.25	1/2	235.28	1/2		1/2	1/2		1/2		1/2
3/4	2,036.68	3/4	1,670.13	3/4	1,304.13	3/4	939.39	3/4	573.61	3/4	228.41	3/4		3/4	3/4		3/4		3/4
11	2,029.05	11	1,662.50	11	1,296.52	11	931.81	11	565.98	11	221.53	11		11	11		11		11
1/4	2,021.41	1/4	1,654.86	1/4	1,288.91	1/4	924.23	1/4	558.34	1/4	214.66	1/4		1/4	1/4		1/4		1/4
1/2	2,013.77	1/2	1,647.22	1/2	1,281.28	1/2	916.65	1/2	550.70	1/2	207.88	1/2		1/2	1/2		1/2		1/2
3/4	2,006.14	3/4	1,639.59	3/4	1,273.66	3/4	909.07	3/4	543.06	3/4	201.10	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/10/2004 PMA
CALCULATED: 07/12/2019 SW
VERIFIED: 07/01/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "KIRBY 27720"

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		0	4,518.35	0	4,186.76	0	3,831.20	0	3,464.81	0	3,098.41	0	2,732.00
1/4		1/4		1/4		1/4		1/4	4,511.69	1/4	4,179.58	1/4	3,823.59	1/4	3,457.18	1/4	3,090.77	1/4	2,724.36
1/2		1/2		1/2		1/2		1/2	4,505.00	1/2	4,172.36	1/2	3,815.95	1/2	3,449.55	1/2	3,083.14	1/2	2,716.73
3/4		3/4		3/4		3/4		3/4	4,498.31	3/4	4,165.14	3/4	3,808.32	3/4	3,441.91	3/4	3,075.51	3/4	2,709.10
1		1		1		1		1	4,491.62	1	4,157.93	1	3,800.69	1	3,434.28	1	3,067.87	1	2,701.46
1/4		1/4		1/4		1/4		1/4	4,812.58	1/4	4,484.93	1/4	4,150.71	1/4	3,793.05	1/4	3,426.65	1/4	3,060.24
1/2		1/2		1/2		1/2		1/2	4,805.75	1/2	4,478.20	1/2	4,143.45	1/2	3,785.42	1/2	3,419.01	1/2	3,052.61
3/4		3/4		3/4		3/4		3/4	4,798.91	3/4	4,471.48	3/4	4,136.20	3/4	3,777.79	3/4	3,411.38	3/4	3,044.97
2		2		2		2		2	4,792.08	2	4,464.76	2	4,128.94	2	3,770.15	2	3,403.75	2	3,037.34
1/4		1/4		1/4		1/4		1/4	4,785.24	1/4	4,458.03	1/4	4,121.69	1/4	3,762.52	1/4	3,396.11	1/4	3,029.70
1/2		1/2		1/2		1/2		1/2	4,777.77	1/2	4,451.27	1/2	4,114.40	1/2	3,754.89	1/2	3,388.48	1/2	3,022.07
3/4		3/4		3/4		3/4		3/4	4,770.30	3/4	4,444.51	3/4	4,107.11	3/4	3,747.25	3/4	3,380.85	3/4	3,014.44
3		3		3		3		3	4,762.83	3	4,437.75	3	4,099.81	3	3,739.62	3	3,373.21	3	3,006.80
1/4		1/4		1/4		1/4		1/4	4,755.36	1/4	4,430.99	1/4	4,092.52	1/4	3,731.99	1/4	3,365.58	1/4	2,999.17
1/2		1/2		1/2		1/2		1/2	4,747.81	1/2	4,424.20	1/2	4,085.19	1/2	3,724.35	1/2	3,357.95	1/2	2,991.54
3/4		3/4		3/4		3/4		3/4	4,740.26	3/4	4,417.40	3/4	4,077.87	3/4	3,716.72	3/4	3,350.31	3/4	2,983.90
4		4		4		4		4	4,732.72	4	4,410.60	4	4,070.54	4	3,709.09	4	3,342.68	4	2,976.27
1/4		1/4		1/4		1/4		1/4	4,725.17	1/4	4,403.81	1/4	4,063.21	1/4	3,701.45	1/4	3,335.04	1/4	2,968.64
1/2		1/2		1/2		1/2		1/2	4,717.90	1/2	4,396.97	1/2	4,055.85	1/2	3,693.82	1/2	3,327.41	1/2	2,961.00
3/4		3/4		3/4		3/4		3/4	4,710.63	3/4	4,390.14	3/4	4,048.49	3/4	3,686.19	3/4	3,319.78	3/4	2,953.37
5		5		5		5		5	4,703.36	5	4,383.30	5	4,041.13	5	3,678.55	5	3,312.14	5	2,945.74
1/4		1/4		1/4		1/4		1/4	4,696.09	1/4	4,376.47	1/4	4,033.77	1/4	3,670.92	1/4	3,304.51	1/4	2,938.10
1/2		1/2		1/2		1/2		1/2	4,689.37	1/2	4,369.60	1/2	4,026.38	1/2	3,663.29	1/2	3,296.88	1/2	2,930.47
3/4		3/4		3/4		3/4		3/4	4,682.65	3/4	4,362.73	3/4	4,018.98	3/4	3,655.65	3/4	3,289.24	3/4	2,922.84
6		6		6		6		6	4,675.93	6	4,355.86	6	4,011.58	6	3,648.02	6	3,281.61	6	2,915.20
1/4		1/4		1/4		1/4		1/4	4,669.20	1/4	4,348.99	1/4	4,004.19	1/4	3,640.38	1/4	3,273.98	1/4	2,907.57
1/2		1/2		1/2		1/2		1/2	4,662.73	1/2	4,342.08	1/2	3,996.76	1/2	3,632.75	1/2	3,266.34	1/2	2,899.94
3/4		3/4		3/4		3/4		3/4	4,656.27	3/4	4,335.17	3/4	3,989.32	3/4	3,625.12	3/4	3,258.71	3/4	2,892.30
7		7		7		7		7	4,649.80	7	4,328.26	7	3,981.89	7	3,617.48	7	3,251.08	7	2,884.67
1/4		1/4		1/4		1/4		1/4	4,643.33	1/4	4,321.35	1/4	3,974.46	1/4	3,609.85	1/4	3,243.44	1/4	2,877.03
1/2		1/2		1/2		1/2		1/2	4,636.82	1/2	4,314.38	1/2	3,966.99	1/2	3,602.22	1/2	3,235.81	1/2	2,869.40
3/4		3/4		3/4		3/4		3/4	4,630.31	3/4	4,307.42	3/4	3,959.52	3/4	3,594.58	3/4	3,228.18	3/4	2,861.77
8		8		8		8		8	4,623.81	8	4,300.45	8	3,952.05	8	3,586.95	8	3,220.54	8	2,854.13
1/4		1/4		1/4		1/4		1/4	4,617.30	1/4	4,293.48	1/4	3,944.58	1/4	3,579.32	1/4	3,212.91	1/4	2,846.50
1/2		1/2		1/2		1/2		1/2	4,610.75	1/2	4,286.43	1/2	3,937.07	1/2	3,571.68	1/2	3,205.28	1/2	2,838.87
3/4		3/4		3/4		3/4		3/4	4,604.21	3/4	4,279.39	3/4	3,929.56	3/4	3,564.05	3/4	3,197.64	3/4	2,831.23
9		9		9		9		9	4,597.67	9	4,272.34	9	3,922.06	9	3,556.42	9	3,190.01	9	2,823.60
1/4		1/4		1/4		1/4		1/4	4,591.12	1/4	4,265.29	1/4	3,914.55	1/4	3,548.78	1/4	3,182.37	1/4	2,815.97
1/2		1/2		1/2		1/2		1/2	4,584.54	1/2	4,258.19	1/2	3,907.00	1/2	3,541.15	1/2	3,174.74	1/2	2,808.33
3/4		3/4		3/4		3/4		3/4	4,577.96	3/4	4,251.08	3/4	3,899.46	3/4	3,533.52	3/4	3,167.11	3/4	2,800.70
10		10		10		10		10	4,571.38	10	4,243.98	10	3,891.92	10	3,525.88	10	3,159.47	10	2,793.07
1/4		1/4		1/4		1/4		1/4	4,564.80	1/4	4,236.87	1/4	3,884.37	1/4	3,518.25	1/4	3,151.84	1/4	2,785.43
1/2		1/2		1/2		1/2		1/2	4,558.18	1/2	4,229.73	1/2	3,876.79	1/2	3,510.62	1/2	3,144.21	1/2	2,777.80
3/4		3/4		3/4		3/4		3/4	4,551.56	3/4	4,222.59	3/4	3,869.21	3/4	3,502.98	3/4	3,136.57	3/4	2,770.17
11		11		11		11		11	4,544.94	11	4,215.44	11	3,861.62	11	3,495.35	11	3,128.94	11	2,762.53
1/4		1/4		1/4		1/4		1/4	4,538.32	1/4	4,208.30	1/4	3,854.04	1/4	3,487.71	1/4	3,121.31	1/4	2,754.90
1/2		1/2		1/2		1/2		1/2	4,531.66	1/2	4,201.12	1/2	3,846.43	1/2	3,480.08	1/2	3,113.67	1/2	2,747.27
3/4		3/4		3/4		3/4		3/4	4,525.01	3/4	4,193.94	3/4	3,838.82	3/4	3,472.45	3/4	3,106.04	3/4	2,739.63

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'-10" OFF CENTERLINE AND 49' 09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 27720"

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	2,365.59	0	1,999.18	0	1,632.76	0	1,266.98	0	901.49	0	535.23	0	194.25	0		0		0	
1/4	2,357.96	1/4	1,991.55	1/4	1,625.13	1/4	1,259.36	1/4	893.88	1/4	527.60	1/4	187.47	1/4	1/4		1/4		1/4
1/2	2,350.32	1/2	1,983.92	1/2	1,617.49	1/2	1,251.72	1/2	886.28	1/2	520.19	1/2	180.79	1/2	1/2		1/2		1/2
3/4	2,342.69	3/4	1,976.28	3/4	1,609.86	3/4	1,244.09	3/4	878.67	3/4	512.78	3/4	174.11	3/4	3/4		3/4		3/4
1	2,335.06	1	1,968.65	1	1,602.23	1	1,236.46	1	871.06	1	505.37	1	167.44	1	1		1		1
1/4	2,327.42	1/4	1,961.02	1/4	1,594.59	1/4	1,228.82	1/4	863.46	1/4	497.96	1/4	160.76	1/4	1/4		1/4		1/4
1/2	2,319.79	1/2	1,953.38	1/2	1,586.96	1/2	1,221.19	1/2	855.83	1/2	491.02	1/2	154.17	1/2	1/2		1/2		1/2
3/4	2,312.16	3/4	1,945.75	3/4	1,579.33	3/4	1,213.55	3/4	848.21	3/4	484.08	3/4	147.59	3/4	3/4		3/4		3/4
2	2,304.52	2	1,938.11	2	1,571.69	2	1,205.92	2	840.59	2	477.14	2	141.01	2	2		2		2
1/4	2,296.89	1/4	1,930.48	1/4	1,564.06	1/4	1,198.28	1/4	832.97	1/4	470.19	1/4	134.42	1/4	1/4		1/4		1/4
1/2	2,289.26	1/2	1,922.85	1/2	1,556.42	1/2	1,190.65	1/2	825.34	1/2	463.32	1/2	128.15	1/2	1/2		1/2		1/2
3/4	2,281.62	3/4	1,915.21	3/4	1,548.79	3/4	1,183.01	3/4	817.70	3/4	456.44	3/4	121.87	3/4	3/4		3/4		3/4
3	2,273.99	3	1,907.58	3	1,541.16	3	1,175.38	3	810.07	3	449.56	3	115.59	3	3		3		3
1/4	2,266.35	1/4	1,899.94	1/4	1,533.52	1/4	1,167.75	1/4	802.43	1/4	442.69	1/4	109.32	1/4	1/4		1/4		1/4
1/2	2,258.72	1/2	1,892.31	1/2	1,525.89	1/2	1,160.12	1/2	794.80	1/2	435.45	1/2	103.57	1/2	1/2		1/2		1/2
3/4	2,251.09	3/4	1,884.68	3/4	1,518.25	3/4	1,152.50	3/4	787.16	3/4	428.22	3/4	97.83	3/4	3/4		3/4		3/4
4	2,243.45	4	1,877.04	4	1,510.62	4	1,144.88	4	779.53	4	420.99	4	92.09	4	4		4		4
1/4	2,235.82	1/4	1,869.41	1/4	1,502.99	1/4	1,137.26	1/4	771.90	1/4	413.75	1/4	86.34	1/4	1/4		1/4		1/4
1/2	2,228.19	1/2	1,861.78	1/2	1,495.35	1/2	1,129.65	1/2	764.26	1/2	406.39	1/2	80.69	1/2	1/2		1/2		1/2
3/4	2,220.55	3/4	1,854.14	3/4	1,487.72	3/4	1,122.04	3/4	756.63	3/4	399.04	3/4	75.05	3/4	3/4		3/4		3/4
5	2,212.92	5	1,846.51	5	1,480.09	5	1,114.44	5	748.99	5	391.68	5	69.40	5	5		5		5
1/4	2,205.29	1/4	1,838.87	1/4	1,472.45	1/4	1,106.83	1/4	741.36	1/4	384.32	1/4	63.75	1/4	1/4		1/4		1/4
1/2	2,197.65	1/2	1,831.24	1/2	1,464.83	1/2	1,099.22	1/2	733.73	1/2	377.06	1/2	57.78	1/2	1/2		1/2		1/2
3/4	2,190.02	3/4	1,823.61	3/4	1,457.21	3/4	1,091.62	3/4	726.09	3/4	369.79	3/4	51.80	3/4	3/4		3/4		3/4
6	2,182.39	6	1,815.97	6	1,449.59	6	1,084.01	6	718.46	6	362.53	6	45.82	6	6		6		6
1/4	2,174.75	1/4	1,808.34	1/4	1,441.97	1/4	1,076.41	1/4	710.82	1/4	355.26	1/4	39.84	1/4	1/4		1/4		1/4
1/2	2,167.12	1/2	1,800.71	1/2	1,434.37	1/2	1,068.80	1/2	703.19	1/2	348.07	1/2	34.34	1/2	1/2		1/2		1/2
3/4	2,159.49	3/4	1,793.07	3/4	1,426.76	3/4	1,061.20	3/4	695.56	3/4	340.89	3/4	28.83	3/4	3/4		3/4		3/4
7	2,151.85	7	1,785.44	7	1,419.15	7	1,053.59	7	687.92	7	333.70	7	23.33	7	7		7		7
1/4	2,144.22	1/4	1,777.80	1/4	1,411.55	1/4	1,045.99	1/4	680.29	1/4	326.51	1/4	17.82	1/4	1/4		1/4		1/4
1/2	2,136.59	1/2	1,770.17	1/2	1,403.94	1/2	1,038.38	1/2	672.65	1/2	319.39	1/2	14.27	1/2	1/2		1/2		1/2
3/4	2,128.95	3/4	1,762.54	3/4	1,396.33	3/4	1,030.78	3/4	665.02	3/4	312.28	3/4	10.71	3/4	3/4		3/4		3/4
8	2,121.32	8	1,754.90	8	1,388.73	8	1,023.17	8	657.38	8	305.16	8	7.15	8	8		8		8
1/4	2,113.68	1/4	1,747.27	1/4	1,381.12	1/4	1,015.57	1/4	649.75	1/4	298.04	1/4	3.59	1/4	1/4		1/4		1/4
1/2	2,106.05	1/2	1,739.64	1/2	1,373.52	1/2	1,007.96	1/2	642.12	1/2	291.00	1/2		1/2	1/2		1/2		1/2
3/4	2,098.42	3/4	1,732.00	3/4	1,365.91	3/4	1,000.36	3/4	634.48	3/4	283.96	3/4		3/4	3/4		3/4		3/4
9	2,090.78	9	1,724.37	9	1,358.30	9	992.75	9	626.85	9	276.92	9		9	9		9		9
1/4	2,083.15	1/4	1,716.73	1/4	1,350.70	1/4	985.15	1/4	619.21	1/4	269.88	1/4		1/4	1/4		1/4		1/4
1/2	2,075.52	1/2	1,709.10	1/2	1,343.09	1/2	977.54	1/2	611.58	1/2	262.93	1/2		1/2	1/2		1/2		1/2
3/4	2,067.88	3/4	1,701.47	3/4	1,335.48	3/4	969.94	3/4	603.95	3/4	255.97	3/4		3/4	3/4		3/4		3/4
10	2,060.25	10	1,693.83	10	1,327.88	10	962.33	10	596.31	10	249.02	10		10	10		10		10
1/4	2,052.62	1/4	1,686.20	1/4	1,320.27	1/4	954.73	1/4	588.68	1/4	242.06	1/4		1/4	1/4		1/4		1/4
1/2	2,044.98	1/2	1,678.56	1/2	1,312.66	1/2	947.12	1/2	581.04	1/2	235.19	1/2		1/2	1/2		1/2		1/2
3/4	2,037.35	3/4	1,670.93	3/4	1,305.06	3/4	939.52	3/4	573.41	3/4	228.32	3/4		3/4	3/4		3/4		3/4
11	2,029.72	11	1,663.30	11	1,297.45	11	931.91	11	565.77	11	221.45	11		11	11		11		11
1/4	2,022.08	1/4	1,655.66	1/4	1,289.84	1/4	924.31	1/4	558.14	1/4	214.58	1/4		1/4	1/4		1/4		1/4
1/2	2,014.45	1/2	1,648.03	1/2	1,282.22	1/2	916.70	1/2	550.50	1/2	207.81	1/2		1/2	1/2		1/2		1/2
3/4	2,006.82	3/4	1,640.40	3/4	1,274.60	3/4	909.09	3/4	542.87	3/4	201.03	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/10/2004 PMA
CALCULATED: 07/12/2019 SW
VERIFIED: 07/01/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2024

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



BARGE "KIRBY 27720"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,382.80	0	2,018.87	0	1,654.92	0	1,294.86	0	943.65	0	583.96	0	227.36	0		0		0	
1/4	2,375.21	1/4	2,011.28	1/4	1,647.34	1/4	1,287.28	1/4	936.39	1/4	576.60	1/4	219.80	1/4	1/4		1/4		1/4
1/2	2,367.63	1/2	2,003.70	1/2	1,639.76	1/2	1,279.69	1/2	929.14	1/2	569.24	1/2	212.24	1/2	1/2		1/2		1/2
3/4	2,360.05	3/4	1,996.12	3/4	1,632.18	3/4	1,272.11	3/4	921.89	3/4	561.88	3/4	204.68	3/4	3/4		3/4		3/4
1	2,352.47	1	1,988.54	1	1,624.59	1	1,264.53	1	914.62	1	554.97	1	197.13	1	1		1		1
1/4	2,344.89	1/4	1,980.96	1/4	1,617.01	1/4	1,256.95	1/4	907.35	1/4	548.06	1/4	189.58	1/4	1/4		1/4		1/4
1/2	2,337.31	1/2	1,973.37	1/2	1,609.43	1/2	1,249.36	1/2	900.08	1/2	541.15	1/2	182.04	1/2	1/2		1/2		1/2
3/4	2,329.72	3/4	1,965.79	3/4	1,601.85	3/4	1,241.78	3/4	892.81	3/4	534.24	3/4	174.49	3/4	3/4		3/4		3/4
2	2,322.14	2	1,958.21	2	1,594.26	2	1,234.35	2	885.53	2	527.33	2	167.16	2	2		2		2
1/4	2,314.56	1/4	1,950.63	1/4	1,586.68	1/4	1,226.92	1/4	878.25	1/4	520.42	1/4	159.83	1/4	1/4		1/4		1/4
1/2	2,306.98	1/2	1,943.05	1/2	1,579.10	1/2	1,219.48	1/2	870.97	1/2	513.51	1/2	152.51	1/2	1/2		1/2		1/2
3/4	2,299.40	3/4	1,935.46	3/4	1,571.52	3/4	1,212.05	3/4	863.69	3/4	506.60	3/4	145.18	3/4	3/4		3/4		3/4
3	2,291.81	3	1,927.88	3	1,563.94	3	1,204.78	3	856.26	3	499.25	3	138.30	3	3		3		3
1/4	2,284.23	1/4	1,920.30	1/4	1,556.35	1/4	1,197.51	1/4	848.82	1/4	491.89	1/4	131.42	1/4	1/4		1/4		1/4
1/2	2,276.65	1/2	1,912.72	1/2	1,548.77	1/2	1,190.25	1/2	841.39	1/2	484.54	1/2	124.54	1/2	1/2		1/2		1/2
3/4	2,269.07	3/4	1,905.14	3/4	1,541.19	3/4	1,182.98	3/4	833.96	3/4	477.19	3/4	117.66	3/4	3/4		3/4		3/4
4	2,261.49	4	1,897.55	4	1,533.69	4	1,175.72	4	826.38	4	469.63	4	110.79	4	4		4		4
1/4	2,253.90	1/4	1,889.97	1/4	1,526.19	1/4	1,168.47	1/4	818.80	1/4	462.07	1/4	103.92	1/4	1/4		1/4		1/4
1/2	2,246.32	1/2	1,882.39	1/2	1,518.69	1/2	1,161.22	1/2	811.21	1/2	454.51	1/2	97.06	1/2	1/2		1/2		1/2
3/4	2,238.74	3/4	1,874.81	3/4	1,511.19	3/4	1,153.96	3/4	803.63	3/4	446.95	3/4	90.19	3/4	3/4		3/4		3/4
5	2,231.16	5	1,867.22	5	1,503.77	5	1,146.71	5	796.05	5	439.40	5	82.90	5	5		5		5
1/4	2,223.58	1/4	1,859.64	1/4	1,496.35	1/4	1,139.46	1/4	788.47	1/4	431.84	1/4	75.62	1/4	1/4		1/4		1/4
1/2	2,215.99	1/2	1,852.06	1/2	1,488.93	1/2	1,132.21	1/2	780.88	1/2	424.29	1/2	68.34	1/2	1/2		1/2		1/2
3/4	2,208.41	3/4	1,844.48	3/4	1,481.51	3/4	1,124.95	3/4	773.30	3/4	416.74	3/4	61.06	3/4	3/4		3/4		3/4
6	2,200.83	6	1,836.90	6	1,474.09	6	1,117.70	6	765.72	6	409.18	6	54.16	6	6		6		6
1/4	2,193.25	1/4	1,829.31	1/4	1,466.67	1/4	1,110.45	1/4	758.14	1/4	401.62	1/4	47.26	1/4	1/4		1/4		1/4
1/2	2,185.67	1/2	1,821.73	1/2	1,459.25	1/2	1,103.20	1/2	750.55	1/2	394.06	1/2	40.36	1/2	1/2		1/2		1/2
3/4	2,178.09	3/4	1,814.15	3/4	1,451.83	3/4	1,095.95	3/4	742.97	3/4	386.50	3/4	33.46	3/4	3/4		3/4		3/4
7	2,170.50	7	1,806.57	7	1,444.41	7	1,088.69	7	735.39	7	378.93	7	28.41	7	7		7		7
1/4	2,162.92	1/4	1,798.98	1/4	1,436.99	1/4	1,081.44	1/4	727.81	1/4	371.35	1/4	23.35	1/4	1/4		1/4		1/4
1/2	2,155.34	1/2	1,791.40	1/2	1,429.57	1/2	1,074.19	1/2	720.22	1/2	363.78	1/2	18.30	1/2	1/2		1/2		1/2
3/4	2,147.76	3/4	1,783.82	3/4	1,422.15	3/4	1,066.94	3/4	712.64	3/4	356.20	3/4	13.25	3/4	3/4		3/4		3/4
8	2,140.18	8	1,776.24	8	1,414.72	8	1,059.68	8	705.06	8	348.62	8		8	8		8		8
1/4	2,132.59	1/4	1,768.66	1/4	1,407.30	1/4	1,052.43	1/4	697.48	1/4	341.04	1/4		1/4	1/4		1/4		1/4
1/2	2,125.01	1/2	1,761.07	1/2	1,399.88	1/2	1,045.18	1/2	689.89	1/2	333.46	1/2		1/2	1/2		1/2		1/2
3/4	2,117.43	3/4	1,753.49	3/4	1,392.46	3/4	1,037.93	3/4	682.31	3/4	325.87	3/4		3/4	3/4		3/4		3/4
9	2,109.85	9	1,745.91	9	1,385.04	9	1,030.68	9	674.73	9	318.29	9		9	9		9		9
1/4	2,102.27	1/4	1,738.33	1/4	1,377.62	1/4	1,023.42	1/4	667.15	1/4	310.71	1/4		1/4	1/4		1/4		1/4
1/2	2,094.68	1/2	1,730.74	1/2	1,370.20	1/2	1,016.17	1/2	659.56	1/2	303.13	1/2		1/2	1/2		1/2		1/2
3/4	2,087.10	3/4	1,723.16	3/4	1,362.78	3/4	1,008.92	3/4	651.98	3/4	295.55	3/4		3/4	3/4		3/4		3/4
10	2,079.52	10	1,715.58	10	1,355.28	10	1,001.67	10	644.40	10	287.97	10		10	10		10		10
1/4	2,071.94	1/4	1,708.00	1/4	1,347.78	1/4	994.42	1/4	636.81	1/4	280.38	1/4		1/4	1/4		1/4		1/4
1/2	2,064.36	1/2	1,700.42	1/2	1,340.28	1/2	987.16	1/2	629.23	1/2	272.80	1/2		1/2	1/2		1/2		1/2
3/4	2,056.77	3/4	1,692.83	3/4	1,332.77	3/4	979.91	3/4	621.65	3/4	265.22	3/4		3/4	3/4		3/4		3/4
11	2,049.19	11	1,685.25	11	1,325.19	11	972.66	11	614.07	11	257.65	11		11	11		11		11
1/4	2,041.61	1/4	1,677.67	1/4	1,317.61	1/4	965.41	1/4	606.48	1/4	250.07	1/4		1/4	1/4		1/4		1/4
1/2	2,034.03	1/2	1,670.09	1/2	1,310.03	1/2	958.15	1/2	598.90	1/2	242.50	1/2		1/2	1/2		1/2		1/2
3/4	2,026.45	3/4	1,662.50	3/4	1,302.44	3/4	950.90	3/4	591.32	3/4	234.92	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/10/2004 PMA
CALCULATED: 07/12/2019 SW
VERIFIED: 07/01/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2024

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



BARGE "KIRBY 27720"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-07 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,540.80	0	4,210.77	0	3,857.06	0	3,493.23	0	3,129.38	0	2,765.54
1/4		1/4		1/4		1/4		1/4	4,534.16	1/4	4,203.60	1/4	3,849.48	1/4	3,485.65	1/4	3,121.80	1/4	2,757.96
1/2		1/2		1/2		1/2		1/2	4,527.51	1/2	4,196.43	1/2	3,841.91	1/2	3,478.07	1/2	3,114.22	1/2	2,750.38
3/4		3/4		3/4		3/4		3/4	4,842.87	3/4	4,520.87	3/4	4,189.27	3/4	3,834.33	3/4	3,470.49	3/4	3,106.64
1		1		1		1		1	4,839.48	1	4,514.21	1	4,182.08	1	3,826.75	1	3,462.90	1	3,099.06
1/4		1/4		1/4		1/4		1/4	4,832.69	1/4	4,507.53	1/4	4,174.88	1/4	3,819.17	1/4	3,455.32	1/4	3,091.48
1/2		1/2		1/2		1/2		1/2	4,825.91	1/2	4,500.85	1/2	4,167.67	1/2	3,811.59	1/2	3,447.74	1/2	3,083.90
3/4		3/4		3/4		3/4		3/4	4,819.12	3/4	4,494.18	3/4	4,160.47	3/4	3,804.01	3/4	3,440.16	3/4	3,076.32
2		2		2		2		2	4,812.02	2	4,487.48	2	4,153.25	2	3,796.43	2	3,432.58	2	3,068.74
1/4		1/4		1/4		1/4		1/4	4,804.61	1/4	4,480.77	1/4	4,146.00	1/4	3,788.85	1/4	3,425.00	1/4	3,061.16
1/2		1/2		1/2		1/2		1/2	4,797.19	1/2	4,474.06	1/2	4,138.76	1/2	3,781.27	1/2	3,417.42	1/2	3,053.58
3/4		3/4		3/4		3/4		3/4	4,789.77	3/4	4,467.35	3/4	4,131.52	3/4	3,773.69	3/4	3,409.84	3/4	3,046.00
3		3		3		3		3	4,782.32	3	4,460.62	3	4,124.26	3	3,766.11	3	3,402.26	3	3,038.42
1/4		1/4		1/4		1/4		1/4	4,774.82	1/4	4,453.87	1/4	4,116.99	1/4	3,758.53	1/4	3,394.68	1/4	3,030.84
1/2		1/2		1/2		1/2		1/2	4,767.32	1/2	4,447.12	1/2	4,109.71	1/2	3,750.95	1/2	3,387.10	1/2	3,023.26
3/4		3/4		3/4		3/4		3/4	4,759.83	3/4	4,440.37	3/4	4,102.43	3/4	3,743.37	3/4	3,379.52	3/4	3,015.68
4		4		4		4		4	4,752.47	4	4,433.61	4	4,095.14	4	3,735.79	4	3,371.94	4	3,008.10
1/4		1/4		1/4		1/4		1/4	4,745.25	1/4	4,426.82	1/4	4,087.83	1/4	3,728.21	1/4	3,364.36	1/4	3,000.52
1/2		1/2		1/2		1/2		1/2	4,738.04	1/2	4,420.04	1/2	4,080.53	1/2	3,720.63	1/2	3,356.78	1/2	2,992.94
3/4		3/4		3/4		3/4		3/4	4,730.82	3/4	4,413.25	3/4	4,073.22	3/4	3,713.05	3/4	3,349.20	3/4	2,985.36
5		5		5		5		5	4,723.87	5	4,406.45	5	4,065.89	5	3,705.47	5	3,341.62	5	2,977.78
1/4		1/4		1/4		1/4		1/4	4,717.20	1/4	4,399.62	1/4	4,058.55	1/4	3,697.89	1/4	3,334.04	1/4	2,970.20
1/2		1/2		1/2		1/2		1/2	4,710.53	1/2	4,392.80	1/2	4,051.20	1/2	3,690.31	1/2	3,326.46	1/2	2,962.62
3/4		3/4		3/4		3/4		3/4	4,703.85	3/4	4,385.98	3/4	4,043.86	3/4	3,682.73	3/4	3,318.88	3/4	2,955.04
6		6		6		6		6	4,697.30	6	4,379.14	6	4,036.50	6	3,675.15	6	3,311.30	6	2,947.46
1/4		1/4		1/4		1/4		1/4	4,690.88	1/4	4,372.28	1/4	4,029.12	1/4	3,667.57	1/4	3,303.72	1/4	2,939.88
1/2		1/2		1/2		1/2		1/2	4,684.46	1/2	4,365.42	1/2	4,021.74	1/2	3,659.99	1/2	3,296.14	1/2	2,932.30
3/4		3/4		3/4		3/4		3/4	4,678.03	3/4	4,358.56	3/4	4,014.36	3/4	3,652.41	3/4	3,288.56	3/4	2,924.72
7		7		7		7		7	4,671.59	7	4,351.67	7	4,006.96	7	3,644.83	7	3,280.98	7	2,917.14
1/4		1/4		1/4		1/4		1/4	4,665.13	1/4	4,344.75	1/4	3,999.54	1/4	3,637.25	1/4	3,273.40	1/4	2,909.56
1/2		1/2		1/2		1/2		1/2	4,658.67	1/2	4,337.83	1/2	3,992.12	1/2	3,629.67	1/2	3,265.82	1/2	2,901.98
3/4		3/4		3/4		3/4		3/4	4,652.21	3/4	4,330.91	3/4	3,984.70	3/4	3,622.09	3/4	3,258.24	3/4	2,894.40
8		8		8		8		8	4,645.73	8	4,323.96	8	3,977.27	8	3,614.51	8	3,250.66	8	2,886.82
1/4		1/4		1/4		1/4		1/4	4,639.23	1/4	4,316.96	1/4	3,969.81	1/4	3,606.93	1/4	3,243.08	1/4	2,879.24
1/2		1/2		1/2		1/2		1/2	4,632.73	1/2	4,309.96	1/2	3,962.36	1/2	3,599.35	1/2	3,235.50	1/2	2,871.66
3/4		3/4		3/4		3/4		3/4	4,626.24	3/4	4,302.96	3/4	3,954.90	3/4	3,591.77	3/4	3,227.92	3/4	2,864.08
9		9		9		9		9	4,619.72	9	4,295.94	9	3,947.43	9	3,584.19	9	3,220.34	9	2,856.50
1/4		1/4		1/4		1/4		1/4	4,613.18	1/4	4,288.88	1/4	3,939.94	1/4	3,576.61	1/4	3,212.76	1/4	2,848.92
1/2		1/2		1/2		1/2		1/2	4,606.65	1/2	4,281.83	1/2	3,932.45	1/2	3,569.03	1/2	3,205.18	1/2	2,841.34
3/4		3/4		3/4		3/4		3/4	4,600.11	3/4	4,274.77	3/4	3,924.95	3/4	3,561.45	3/4	3,197.60	3/4	2,833.76
10		10		10		10		10	4,593.56	10	4,267.70	10	3,917.44	10	3,553.87	10	3,190.02	10	2,826.18
1/4		1/4		1/4		1/4		1/4	4,586.99	1/4	4,260.60	1/4	3,909.92	1/4	3,546.29	1/4	3,182.44	1/4	2,818.60
1/2		1/2		1/2		1/2		1/2	4,580.42	1/2	4,253.51	1/2	3,902.39	1/2	3,538.71	1/2	3,174.86	1/2	2,811.02
3/4		3/4		3/4		3/4		3/4	4,573.84	3/4	4,246.42	3/4	3,894.86	3/4	3,531.13	3/4	3,167.28	3/4	2,803.44
11		11		11		11		11	4,567.25	11	4,239.31	11	3,887.31	11	3,523.55	11	3,159.70	11	2,795.86
1/4		1/4		1/4		1/4		1/4	4,560.64	1/4	4,232.18	1/4	3,879.75	1/4	3,515.97	1/4	3,152.12	1/4	2,788.28
1/2		1/2		1/2		1/2		1/2	4,554.04	1/2	4,225.05	1/2	3,872.19	1/2	3,508.39	1/2	3,144.54	1/2	2,780.70
3/4		3/4		3/4		3/4		3/4	4,547.43	3/4	4,217.92	3/4	3,864.63	3/4	3,500.81	3/4	3,136.96	3/4	2,773.12

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'-10" OFF CENTERLINE AND 49' 06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27720"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,401.69	0	2,037.85	0	1,673.99	0	1,314.01	0	951.12	0	587.50	0	231.09	0		0		0	
1/4	2,394.11	1/4	2,030.27	1/4	1,666.41	1/4	1,306.43	1/4	943.56	1/4	580.14	1/4	223.53	1/4	1/4	1/4		1/4	
1/2	2,386.53	1/2	2,022.69	1/2	1,658.83	1/2	1,298.85	1/2	936.01	1/2	572.78	1/2	215.97	1/2	1/2	1/2		1/2	
3/4	2,378.95	3/4	2,015.11	3/4	1,651.25	3/4	1,291.27	3/4	928.46	3/4	565.43	3/4	208.42	3/4	3/4	3/4		3/4	
1	2,371.37	1	2,007.53	1	1,643.67	1	1,283.69	1	920.90	1	558.29	1	200.86	1	1	1		1	
1/4	2,363.79	1/4	1,999.95	1/4	1,636.09	1/4	1,276.11	1/4	913.33	1/4	551.38	1/4	193.31	1/4	1/4	1/4		1/4	
1/2	2,356.21	1/2	1,992.37	1/2	1,628.51	1/2	1,268.53	1/2	905.76	1/2	544.48	1/2	185.77	1/2	1/2	1/2		1/2	
3/4	2,348.63	3/4	1,984.79	3/4	1,620.93	3/4	1,260.95	3/4	898.19	3/4	537.57	3/4	178.22	3/4	3/4	3/4		3/4	
2	2,341.05	2	1,977.21	2	1,613.35	2	1,253.37	2	890.62	2	530.66	2	170.78	2	2	2		2	
1/4	2,333.47	1/4	1,969.63	1/4	1,605.77	1/4	1,245.79	1/4	883.04	1/4	523.75	1/4	163.46	1/4	1/4	1/4		1/4	
1/2	2,325.89	1/2	1,962.05	1/2	1,598.19	1/2	1,238.20	1/2	875.46	1/2	516.84	1/2	156.13	1/2	1/2	1/2		1/2	
3/4	2,318.31	3/4	1,954.47	3/4	1,590.61	3/4	1,230.62	3/4	867.88	3/4	509.93	3/4	148.81	3/4	3/4	3/4		3/4	
3	2,310.73	3	1,946.89	3	1,583.03	3	1,223.05	3	860.30	3	502.80	3	141.71	3	3	3		3	
1/4	2,303.15	1/4	1,939.30	1/4	1,575.45	1/4	1,215.48	1/4	852.71	1/4	495.45	1/4	134.83	1/4	1/4	1/4		1/4	
1/2	2,295.57	1/2	1,931.72	1/2	1,567.87	1/2	1,207.91	1/2	845.13	1/2	488.10	1/2	127.95	1/2	1/2	1/2		1/2	
3/4	2,287.99	3/4	1,924.14	3/4	1,560.28	3/4	1,200.34	3/4	837.55	3/4	480.75	3/4	121.07	3/4	3/4	3/4		3/4	
4	2,280.41	4	1,916.56	4	1,552.74	4	1,192.78	4	829.97	4	473.30	4	114.20	4	4	4		4	
1/4	2,272.83	1/4	1,908.98	1/4	1,545.25	1/4	1,185.23	1/4	822.39	1/4	465.74	1/4	107.33	1/4	1/4	1/4		1/4	
1/2	2,265.25	1/2	1,901.40	1/2	1,537.75	1/2	1,177.68	1/2	814.81	1/2	458.18	1/2	100.47	1/2	1/2	1/2		1/2	
3/4	2,257.67	3/4	1,893.82	3/4	1,530.25	3/4	1,170.12	3/4	807.23	3/4	450.62	3/4	93.60	3/4	3/4	3/4		3/4	
5	2,250.09	5	1,886.24	5	1,522.79	5	1,162.57	5	799.65	5	443.07	5	86.53	5	5	5		5	
1/4	2,242.51	1/4	1,878.66	1/4	1,515.37	1/4	1,155.02	1/4	792.07	1/4	435.52	1/4	79.25	1/4	1/4	1/4		1/4	
1/2	2,234.93	1/2	1,871.08	1/2	1,507.95	1/2	1,147.47	1/2	784.49	1/2	427.97	1/2	71.96	1/2	1/2	1/2		1/2	
3/4	2,227.35	3/4	1,863.50	3/4	1,500.53	3/4	1,139.91	3/4	776.91	3/4	420.42	3/4	64.68	3/4	3/4	3/4		3/4	
6	2,219.77	6	1,855.92	6	1,493.11	6	1,132.36	6	769.33	6	412.86	6	57.59	6	6	6		6	
1/4	2,212.19	1/4	1,848.34	1/4	1,485.70	1/4	1,124.81	1/4	761.75	1/4	405.30	1/4	50.70	1/4	1/4	1/4		1/4	
1/2	2,204.61	1/2	1,840.76	1/2	1,478.28	1/2	1,117.26	1/2	754.17	1/2	397.75	1/2	43.80	1/2	1/2	1/2		1/2	
3/4	2,197.03	3/4	1,833.18	3/4	1,470.86	3/4	1,109.71	3/4	746.58	3/4	390.19	3/4	36.90	3/4	3/4	3/4		3/4	
7	2,189.45	7	1,825.60	7	1,463.44	7	1,102.16	7	739.00	7	382.62	7	30.93	7	7	7		7	
1/4	2,181.87	1/4	1,818.02	1/4	1,456.02	1/4	1,094.60	1/4	731.42	1/4	375.05	1/4	25.88	1/4	1/4	1/4		1/4	
1/2	2,174.29	1/2	1,810.44	1/2	1,448.61	1/2	1,087.05	1/2	723.84	1/2	367.48	1/2	20.82	1/2	1/2	1/2		1/2	
3/4	2,166.71	3/4	1,802.86	3/4	1,441.19	3/4	1,079.50	3/4	716.26	3/4	359.90	3/4	13.25	3/4	3/4	3/4		3/4	
8	2,159.13	8	1,795.28	8	1,433.77	8	1,071.95	8	708.68	8	352.33	8		8	8	8		8	
1/4	2,151.55	1/4	1,787.70	1/4	1,426.35	1/4	1,064.40	1/4	701.10	1/4	344.75	1/4		1/4	1/4	1/4		1/4	
1/2	2,143.97	1/2	1,780.12	1/2	1,418.93	1/2	1,056.84	1/2	693.52	1/2	337.17	1/2		1/2	1/2	1/2		1/2	
3/4	2,136.39	3/4	1,772.54	3/4	1,411.51	3/4	1,049.29	3/4	685.94	3/4	329.59	3/4		3/4	3/4	3/4		3/4	
9	2,128.81	9	1,764.96	9	1,404.09	9	1,041.74	9	678.36	9	322.01	9		9	9	9		9	
1/4	2,121.23	1/4	1,757.38	1/4	1,396.68	1/4	1,034.19	1/4	670.78	1/4	314.43	1/4		1/4	1/4	1/4		1/4	
1/2	2,113.65	1/2	1,749.79	1/2	1,389.26	1/2	1,026.64	1/2	663.20	1/2	306.85	1/2		1/2	1/2	1/2		1/2	
3/4	2,106.07	3/4	1,742.21	3/4	1,381.84	3/4	1,019.09	3/4	655.62	3/4	299.27	3/4		3/4	3/4	3/4		3/4	
10	2,098.49	10	1,734.63	10	1,374.38	10	1,011.53	10	648.03	10	291.69	10		10	10	10		10	
1/4	2,090.91	1/4	1,727.05	1/4	1,366.88	1/4	1,003.98	1/4	640.45	1/4	284.11	1/4		1/4	1/4	1/4		1/4	
1/2	2,083.33	1/2	1,719.47	1/2	1,359.38	1/2	996.43	1/2	632.87	1/2	276.53	1/2		1/2	1/2	1/2		1/2	
3/4	2,075.75	3/4	1,711.89	3/4	1,351.88	3/4	988.88	3/4	625.29	3/4	268.95	3/4		3/4	3/4	3/4		3/4	
11	2,068.17	11	1,704.31	11	1,344.34	11	981.33	11	617.71	11	261.37	11		11	11	11		11	
1/4	2,060.59	1/4	1,696.73	1/4	1,336.76	1/4	973.77	1/4	610.13	1/4	253.80	1/4		1/4	1/4	1/4		1/4	
1/2	2,053.01	1/2	1,689.15	1/2	1,329.18	1/2	966.22	1/2	602.55	1/2	246.23	1/2		1/2	1/2	1/2		1/2	
3/4	2,045.43	3/4	1,681.57	3/4	1,321.60	3/4	958.67	3/4	594.97	3/4	238.65	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/10/2004 PMA
CALCULATED: 07/12/2019 SW
VERIFIED: 07/01/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2024

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



BARGE "KIRBY 27720"

3 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 16'-06"

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		0	3,940.43	0	3,764.52	0	3,574.59	0	3,379.11	0	3,022.15	0	2,658.73
1/4		1/4		1/4		1/4		1/4	3,936.90	1/4	3,760.67	1/4	3,570.52	1/4	3,373.28	1/4	3,014.58	1/4	2,651.15
1/2		1/2		1/2		1/2		1/2	3,933.37	1/2	3,756.82	1/2	3,566.45	1/2	3,367.45	1/2	3,007.01	1/2	2,643.58
3/4		3/4		3/4		3/4		3/4	3,929.84	3/4	3,752.97	3/4	3,562.38	3/4	3,361.61	3/4	2,999.43	3/4	2,636.01
1		1		1		1	4,097.73	1	3,926.31	1	3,749.12	1	3,558.31	1	3,355.78	1	2,991.86	1	2,628.44
1/4		1/4		1/4		1/4	4,094.45	1/4	3,922.76	1/4	3,745.25	1/4	3,554.24	1/4	3,348.19	1/4	2,984.29	1/4	2,620.87
1/2		1/2		1/2		1/2	4,091.18	1/2	3,919.21	1/2	3,741.38	1/2	3,550.16	1/2	3,340.59	1/2	2,976.72	1/2	2,613.30
3/4		3/4		3/4		3/4	4,087.90	3/4	3,915.66	3/4	3,737.50	3/4	3,546.09	3/4	3,333.00	3/4	2,969.15	3/4	2,605.73
2		2		2		2	4,084.63	2	3,912.12	2	3,733.63	2	3,542.02	2	3,325.41	2	2,961.58	2	2,598.16
1/4		1/4		1/4		1/4	4,080.72	1/4	3,908.55	1/4	3,729.74	1/4	3,537.95	1/4	3,317.81	1/4	2,954.01	1/4	2,590.58
1/2		1/2		1/2		1/2	4,076.81	1/2	3,904.98	1/2	3,725.85	1/2	3,533.87	1/2	3,310.22	1/2	2,946.44	1/2	2,583.01
3/4		3/4		3/4		3/4	4,072.90	3/4	3,901.42	3/4	3,721.96	3/4	3,529.80	3/4	3,302.63	3/4	2,938.86	3/4	2,575.44
3		3		3		3	4,068.99	3	3,897.85	3	3,718.07	3	3,525.73	3	3,295.03	3	2,931.29	3	2,567.87
1/4		1/4		1/4		1/4	4,065.00	1/4	3,894.26	1/4	3,714.16	1/4	3,521.66	1/4	3,287.44	1/4	2,923.72	1/4	2,560.30
1/2		1/2		1/2		1/2	4,061.01	1/2	3,890.68	1/2	3,710.25	1/2	3,517.58	1/2	3,279.84	1/2	2,916.15	1/2	2,552.73
3/4		3/4		3/4		3/4	4,057.03	3/4	3,887.09	3/4	3,706.35	3/4	3,513.51	3/4	3,272.25	3/4	2,908.58	3/4	2,545.16
4		4		4		4	4,053.04	4	3,883.51	4	3,702.44	4	3,509.44	4	3,264.66	4	2,901.01	4	2,537.59
1/4		1/4		1/4		1/4	4,049.20	1/4	3,879.90	1/4	3,698.51	1/4	3,505.37	1/4	3,257.06	1/4	2,893.44	1/4	2,530.01
1/2		1/2		1/2		1/2	4,045.36	1/2	3,876.29	1/2	3,694.58	1/2	3,501.29	1/2	3,249.47	1/2	2,885.87	1/2	2,522.44
3/4		3/4		3/4		3/4	4,041.52	3/4	3,872.69	3/4	3,690.66	3/4	3,497.22	3/4	3,241.88	3/4	2,878.29	3/4	2,514.87
5		5		5		5	4,037.68	5	3,868.08	5	3,686.73	5	3,493.15	5	3,234.28	5	2,870.72	5	2,507.30
1/4		1/4		1/4		1/4	4,034.14	1/4	3,865.46	1/4	3,682.78	1/4	3,489.07	1/4	3,226.69	1/4	2,863.15	1/4	2,499.73
1/2		1/2		1/2		1/2	4,030.59	1/2	3,861.83	1/2	3,678.84	1/2	3,485.00	1/2	3,219.10	1/2	2,855.58	1/2	2,492.16
3/4		3/4		3/4		3/4	4,027.05	3/4	3,858.20	3/4	3,674.89	3/4	3,480.93	3/4	3,211.50	3/4	2,848.01	3/4	2,484.59
6		6		6		6	4,023.50	6	3,854.58	6	3,670.95	6	3,476.86	6	3,203.91	6	2,840.44	6	2,477.01
1/4		1/4		1/4		1/4	4,020.09	1/4	3,850.93	1/4	3,666.98	1/4	3,472.78	1/4	3,196.32	1/4	2,832.87	1/4	2,469.44
1/2		1/2		1/2		1/2	4,016.68	1/2	3,847.28	1/2	3,663.02	1/2	3,468.71	1/2	3,188.74	1/2	2,825.29	1/2	2,461.87
3/4		3/4		3/4		3/4	4,013.27	3/4	3,843.64	3/4	3,659.05	3/4	3,464.64	3/4	3,181.16	3/4	2,817.72	3/4	2,454.30
7		7		7		7	4,009.85	7	3,839.99	7	3,655.09	7	3,460.57	7	3,173.57	7	2,810.15	7	2,446.73
1/4		1/4		1/4		1/4	4,006.42	1/4	3,836.30	1/4	3,651.10	1/4	3,456.49	1/4	3,166.00	1/4	2,802.58	1/4	2,439.16
1/2		1/2		1/2		1/2	4,002.99	1/2	3,832.62	1/2	3,647.12	1/2	3,452.42	1/2	3,158.43	1/2	2,795.01	1/2	2,431.59
3/4		3/4		3/4		3/4	3,999.56	3/4	3,828.93	3/4	3,643.13	3/4	3,448.35	3/4	3,150.86	3/4	2,787.44	3/4	2,424.02
8		8		8		8	3,996.13	8	3,825.24	8	3,639.15	8	3,444.28	8	3,143.29	8	2,779.87	8	2,416.44
1/4		1/4		1/4		1/4	3,992.68	1/4	3,821.49	1/4	3,635.14	1/4	3,440.20	1/4	3,135.72	1/4	2,772.30	1/4	2,408.87
1/2		1/2		1/2		1/2	3,989.23	1/2	3,817.74	1/2	3,631.13	1/2	3,436.13	1/2	3,128.15	1/2	2,764.72	1/2	2,401.30
3/4		3/4		3/4		3/4	3,985.77	3/4	3,813.99	3/4	3,627.13	3/4	3,432.06	3/4	3,120.58	3/4	2,757.15	3/4	2,393.73
9		9		9		9	3,982.32	9	3,810.24	9	3,623.12	9	3,427.99	9	3,113.00	9	2,749.58	9	2,386.16
1/4		1/4		1/4		1/4	3,978.85	1/4	3,806.45	1/4	3,619.10	1/4	3,423.91	1/4	3,105.43	1/4	2,742.01	1/4	2,378.59
1/2		1/2		1/2		1/2	3,975.38	1/2	3,802.66	1/2	3,615.07	1/2	3,419.84	1/2	3,097.86	1/2	2,734.44	1/2	2,371.02
3/4		3/4		3/4		3/4	3,971.91	3/4	3,798.87	3/4	3,611.05	3/4	3,415.77	3/4	3,090.29	3/4	2,726.87	3/4	2,363.45
10		10		10		10	3,968.44	10	3,795.08	10	3,607.02	10	3,411.70	10	3,082.72	10	2,719.30	10	2,355.87
1/4		1/4		1/4		1/4	3,964.95	1/4	3,791.27	1/4	3,602.98	1/4	3,407.62	1/4	3,075.15	1/4	2,711.73	1/4	2,348.30
1/2		1/2		1/2		1/2	3,961.45	1/2	3,787.46	1/2	3,598.93	1/2	3,403.55	1/2	3,067.58	1/2	2,704.15	1/2	2,340.73
3/4		3/4		3/4		3/4	3,957.96	3/4	3,783.65	3/4	3,594.89	3/4	3,399.48	3/4	3,060.00	3/4	2,696.58	3/4	2,333.16
11		11		11		11	3,954.47	11	3,779.84	11	3,590.84	11	3,395.40	11	3,052.43	11	2,689.01	11	2,325.59
1/4		1/4		1/4		1/4	3,950.96	1/4	3,776.01	1/4	3,586.78	1/4	3,391.33	1/4	3,044.86	1/4	2,681.44	1/4	2,318.02
1/2		1/2		1/2		1/2	3,947.45	1/2	3,772.18	1/2	3,582.72	1/2	3,387.26	1/2	3,037.29	1/2	2,673.87	1/2	2,310.45
3/4		3/4		3/4		3/4	3,943.94	3/4	3,768.35	3/4	3,578.66	3/4	3,383.19	3/4	3,029.72	3/4	2,666.30	3/4	2,302.87

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'-10" OFF CENTERLINE AND 49' 06" 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 27720"

3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-06"

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	2,295.30	0	1,931.88	0	1,568.49	0	1,209.61	0	855.26	0	499.77	0	143.69	0		0		0	
1/4	2,287.73	1/4	1,924.31	1/4	1,560.95	1/4	1,202.05	1/4	847.92	1/4	492.41	1/4	136.45	1/4	1/4	1/4		1/4	1/4
1/2	2,280.16	1/2	1,916.74	1/2	1,553.40	1/2	1,194.50	1/2	840.58	1/2	485.06	1/2	129.21	1/2	1/2	1/2		1/2	1/2
3/4	2,272.59	3/4	1,909.17	3/4	1,545.85	3/4	1,186.94	3/4	833.25	3/4	477.71	3/4	121.98	3/4	3/4	3/4		3/4	3/4
1	2,265.02	1	1,901.59	1	1,538.30	1	1,179.38	1	825.91	1	470.36	1	114.74	1	1	1		1	1
1/4	2,257.45	1/4	1,894.02	1/4	1,530.75	1/4	1,171.83	1/4	818.55	1/4	463.45	1/4	108.46	1/4	1/4	1/4		1/4	1/4
1/2	2,249.88	1/2	1,886.45	1/2	1,523.21	1/2	1,164.27	1/2	811.20	1/2	456.55	1/2	102.18	1/2	1/2	1/2		1/2	1/2
3/4	2,242.30	3/4	1,878.88	3/4	1,515.66	3/4	1,156.71	3/4	803.85	3/4	449.65	3/4	95.91	3/4	3/4	3/4		3/4	3/4
2	2,234.73	2	1,871.31	2	1,508.11	2	1,149.16	2	796.49	2	442.74	2	89.63	2	2	2		2	2
1/4	2,227.16	1/4	1,863.74	1/4	1,500.56	1/4	1,141.71	1/4	789.13	1/4	435.84	1/4	84.84	1/4	1/4	1/4		1/4	1/4
1/2	2,219.59	1/2	1,856.16	1/2	1,493.01	1/2	1,134.26	1/2	781.76	1/2	428.93	1/2	80.05	1/2	1/2	1/2		1/2	1/2
3/4	2,212.02	3/4	1,848.59	3/4	1,485.47	3/4	1,126.81	3/4	774.40	3/4	422.03	3/4	75.27	3/4	3/4	3/4		3/4	3/4
3	2,204.45	3	1,841.02	3	1,477.92	3	1,119.36	3	767.03	3	415.13	3	70.48	3	3	3		3	3
1/4	2,196.88	1/4	1,833.45	1/4	1,470.37	1/4	1,112.01	1/4	759.67	1/4	407.78	1/4	67.40	1/4	1/4	1/4		1/4	1/4
1/2	2,189.31	1/2	1,825.88	1/2	1,462.82	1/2	1,104.67	1/2	752.30	1/2	400.44	1/2	64.33	1/2	1/2	1/2		1/2	1/2
3/4	2,181.73	3/4	1,818.31	3/4	1,455.27	3/4	1,097.33	3/4	744.94	3/4	393.09	3/4	61.25	3/4	3/4	3/4		3/4	3/4
4	2,174.16	4	1,810.74	4	1,447.73	4	1,089.99	4	737.57	4	385.75	4	58.17	4	4	4		4	4
1/4	2,166.59	1/4	1,803.16	1/4	1,440.26	1/4	1,082.65	1/4	730.21	1/4	378.19	1/4	56.38	1/4	1/4	1/4		1/4	1/4
1/2	2,159.02	1/2	1,795.59	1/2	1,432.79	1/2	1,075.32	1/2	722.84	1/2	370.64	1/2	54.58	1/2	1/2	1/2		1/2	1/2
3/4	2,151.45	3/4	1,788.02	3/4	1,425.33	3/4	1,067.98	3/4	715.47	3/4	363.09	3/4	52.78	3/4	3/4	3/4		3/4	3/4
5	2,143.88	5	1,780.45	5	1,417.86	5	1,060.64	5	708.11	5	355.53	5	50.98	5	5	5		5	5
1/4	2,136.31	1/4	1,772.88	1/4	1,410.46	1/4	1,053.31	1/4	700.74	1/4	347.99	1/4	50.04	1/4	1/4	1/4		1/4	1/4
1/2	2,128.74	1/2	1,765.31	1/2	1,403.06	1/2	1,045.98	1/2	693.38	1/2	340.44	1/2	49.09	1/2	1/2	1/2		1/2	1/2
3/4	2,121.16	3/4	1,757.74	3/4	1,395.66	3/4	1,038.64	3/4	686.01	3/4	332.89	3/4	48.14	3/4	3/4	3/4		3/4	3/4
6	2,113.59	6	1,750.16	6	1,388.27	6	1,031.31	6	678.65	6	325.35	6	47.19	6	6	6		6	6
1/4	2,106.02	1/4	1,742.59	1/4	1,380.86	1/4	1,023.97	1/4	671.28	1/4	317.79	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,098.45	1/2	1,735.02	1/2	1,373.45	1/2	1,016.64	1/2	663.92	1/2	310.24	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,090.88	3/4	1,727.45	3/4	1,366.04	3/4	1,009.30	3/4	656.55	3/4	302.69	3/4		3/4	3/4	3/4		3/4	3/4
7	2,083.31	7	1,719.88	7	1,358.63	7	1,001.97	7	649.18	7	295.13	7		7	7	7		7	7
1/4	2,075.74	1/4	1,712.31	1/4	1,351.22	1/4	994.64	1/4	641.82	1/4	287.57	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,068.16	1/2	1,704.73	1/2	1,343.81	1/2	987.30	1/2	634.45	1/2	280.00	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,060.59	3/4	1,697.16	3/4	1,336.40	3/4	979.97	3/4	627.09	3/4	272.43	3/4		3/4	3/4	3/4		3/4	3/4
8	2,053.02	8	1,689.59	8	1,328.99	8	972.63	8	619.72	8	264.86	8		8	8	8		8	8
1/4	2,045.45	1/4	1,682.02	1/4	1,321.57	1/4	965.30	1/4	612.36	1/4	257.29	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,037.88	1/2	1,674.45	1/2	1,314.16	1/2	957.96	1/2	604.99	1/2	249.71	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,030.31	3/4	1,666.88	3/4	1,306.75	3/4	950.63	3/4	597.63	3/4	242.14	3/4		3/4	3/4	3/4		3/4	3/4
9	2,022.74	9	1,659.31	9	1,299.34	9	943.30	9	590.26	9	234.56	9		9	9	9		9	9
1/4	2,015.17	1/4	1,651.73	1/4	1,291.94	1/4	935.96	1/4	582.79	1/4	226.99	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,007.59	1/2	1,644.16	1/2	1,284.54	1/2	928.62	1/2	575.32	1/2	219.41	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,000.02	3/4	1,636.59	3/4	1,277.14	3/4	921.29	3/4	567.85	3/4	211.83	3/4		3/4	3/4	3/4		3/4	3/4
10	1,992.45	10	1,629.02	10	1,269.73	10	913.95	10	560.38	10	204.26	10		10	10	10		10	10
1/4	1,984.88	1/4	1,621.45	1/4	1,262.26	1/4	906.62	1/4	552.80	1/4	196.68	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,977.31	1/2	1,613.88	1/2	1,254.78	1/2	899.28	1/2	545.22	1/2	189.11	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,969.74	3/4	1,606.31	3/4	1,247.31	3/4	891.94	3/4	537.65	3/4	181.53	3/4		3/4	3/4	3/4		3/4	3/4
11	1,962.17	11	1,598.73	11	1,239.83	11	884.61	11	530.07	11	173.96	11		11	11	11		11	11
1/4	1,954.60	1/4	1,591.17	1/4	1,232.28	1/4	877.27	1/4	522.49	1/4	166.39	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,947.02	1/2	1,583.61	1/2	1,224.72	1/2	869.93	1/2	514.92	1/2	158.82	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,939.45	3/4	1,576.05	3/4	1,217.16	3/4	862.60	3/4	507.34	3/4	151.25	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/10/2004 PMA
CALCULATED: 07/12/2019 SW
VERIFIED: 07/01/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2024

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



BARGE "KIRBY 27720"

3 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-06"

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
								3,968.80		3,792.79		3,602.75		3,407.16		3,049.50		2,684.78	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,965.27	1/4	3,788.94	1/4	3,598.68	1/4	3,401.32	1/4	3,041.90	1/4	2,677.18	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,961.74	1/2	3,785.08	1/2	3,594.61	1/2	3,395.49	1/2	3,034.30	1/2	2,669.58	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,958.21	3/4	3,781.23	3/4	3,590.53	3/4	3,389.65	3/4	3,026.70	3/4	2,661.98	3/4
1	1	1	1	1	1	4,126.20	1	3,954.67	1	3,777.38	1	3,586.46	1	3,383.82	1	3,019.10	1	2,654.38	1
1/4	1/4	1/4	1/4	1/4	1/4	4,122.92	1/4	3,951.12	1/4	3,773.51	1/4	3,582.39	1/4	3,376.22	1/4	3,011.50	1/4	2,646.79	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,119.64	1/2	3,947.58	1/2	3,769.63	1/2	3,578.31	1/2	3,368.62	1/2	3,003.91	1/2	2,639.19	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,116.37	3/4	3,944.03	3/4	3,765.76	3/4	3,574.24	3/4	3,361.03	3/4	2,996.31	3/4	2,631.59	3/4
2	2	2	2	2	2	4,113.09	2	3,940.48	2	3,761.89	2	3,570.16	2	3,353.43	2	2,988.71	2	2,623.99	2
1/4	1/4	1/4	1/4	1/4	1/4	4,109.18	1/4	3,936.91	1/4	3,757.99	1/4	3,566.08	1/4	3,345.83	1/4	2,981.11	1/4	2,616.39	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,105.27	1/2	3,933.34	1/2	3,754.10	1/2	3,562.01	1/2	3,338.23	1/2	2,973.51	1/2	2,608.79	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,101.36	3/4	3,929.77	3/4	3,750.21	3/4	3,557.93	3/4	3,330.63	3/4	2,965.91	3/4	2,601.20	3/4
3	3	3	3	3	3	4,097.44	3	3,926.20	3	3,746.32	3	3,553.86	3	3,323.03	3	2,958.32	3	2,593.60	3
1/4	1/4	1/4	1/4	1/4	1/4	4,093.45	1/4	3,922.61	1/4	3,742.41	1/4	3,549.78	1/4	3,315.44	1/4	2,950.72	1/4	2,586.00	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,089.46	1/2	3,919.02	1/2	3,738.49	1/2	3,545.71	1/2	3,307.84	1/2	2,943.12	1/2	2,578.40	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,085.47	3/4	3,915.44	3/4	3,734.58	3/4	3,541.63	3/4	3,300.24	3/4	2,935.52	3/4	2,570.80	3/4
4	4	4	4	4	4	4,081.48	4	3,911.85	4	3,730.67	4	3,537.56	4	3,292.64	4	2,927.92	4	2,563.20	4
1/4	1/4	1/4	1/4	1/4	1/4	4,077.64	1/4	3,908.24	1/4	3,726.74	1/4	3,533.48	1/4	3,285.04	1/4	2,920.32	1/4	2,555.61	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,073.80	1/2	3,904.63	1/2	3,722.81	1/2	3,529.41	1/2	3,277.45	1/2	2,912.73	1/2	2,548.01	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,069.96	3/4	3,901.02	3/4	3,718.88	3/4	3,525.33	3/4	3,269.85	3/4	2,905.13	3/4	2,540.41	3/4
5	5	5	5	5	5	4,066.12	5	3,897.41	5	3,714.95	5	3,521.26	5	3,262.25	5	2,897.53	5	2,532.81	5
1/4	1/4	1/4	1/4	1/4	1/4	4,062.57	1/4	3,893.79	1/4	3,711.01	1/4	3,517.18	1/4	3,254.65	1/4	2,889.93	1/4	2,525.21	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,059.02	1/2	3,890.16	1/2	3,707.06	1/2	3,513.11	1/2	3,247.05	1/2	2,882.33	1/2	2,517.61	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,055.47	3/4	3,886.53	3/4	3,703.11	3/4	3,509.03	3/4	3,239.45	3/4	2,874.74	3/4	2,510.02	3/4
6	6	6	6	6	6	4,051.93	6	3,882.90	6	3,699.16	6	3,504.96	6	3,231.86	6	2,867.14	6	2,502.42	6
1/4	1/4	1/4	1/4	1/4	1/4	4,048.51	1/4	3,879.25	1/4	3,695.20	1/4	3,500.88	1/4	3,224.26	1/4	2,859.54	1/4	2,494.82	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,045.10	1/2	3,875.61	1/2	3,691.23	1/2	3,496.81	1/2	3,216.66	1/2	2,851.94	1/2	2,487.22	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,041.69	3/4	3,871.96	3/4	3,687.26	3/4	3,492.73	3/4	3,209.06	3/4	2,844.34	3/4	2,479.62	3/4
7	7	7	7	7	7	4,038.27	7	3,868.31	7	3,683.29	7	3,488.66	7	3,201.46	7	2,836.74	7	2,472.03	7
1/4	1/4	1/4	1/4	1/4	1/4	4,034.84	1/4	3,864.62	1/4	3,679.31	1/4	3,484.58	1/4	3,193.86	1/4	2,829.15	1/4	2,464.43	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,031.41	1/2	3,860.93	1/2	3,675.32	1/2	3,480.51	1/2	3,186.27	1/2	2,821.55	1/2	2,456.83	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,027.97	3/4	3,857.24	3/4	3,671.33	3/4	3,476.43	3/4	3,178.67	3/4	2,813.95	3/4	2,449.23	3/4
8	8	8	8	8	8	4,024.54	8	3,853.55	8	3,667.34	8	3,472.36	8	3,171.07	8	2,806.35	8	2,441.63	8
1/4	1/4	1/4	1/4	1/4	1/4	4,021.08	1/4	3,849.80	1/4	3,663.33	1/4	3,468.28	1/4	3,163.47	1/4	2,798.75	1/4	2,434.03	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,017.63	1/2	3,846.05	1/2	3,659.33	1/2	3,464.21	1/2	3,155.87	1/2	2,791.15	1/2	2,426.44	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,014.18	3/4	3,842.30	3/4	3,655.32	3/4	3,460.13	3/4	3,148.27	3/4	2,783.56	3/4	2,418.84	3/4
9	9	9	9	9	9	4,010.72	9	3,838.54	9	3,651.31	9	3,456.06	9	3,140.68	9	2,775.96	9	2,411.24	9
1/4	1/4	1/4	1/4	1/4	1/4	4,007.25	1/4	3,834.75	1/4	3,647.28	1/4	3,451.98	1/4	3,133.08	1/4	2,768.36	1/4	2,403.64	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,003.78	1/2	3,830.96	1/2	3,643.26	1/2	3,447.91	1/2	3,125.48	1/2	2,760.76	1/2	2,396.04	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,000.30	3/4	3,827.16	3/4	3,639.23	3/4	3,443.83	3/4	3,117.88	3/4	2,753.16	3/4	2,388.44	3/4
10	10	10	10	10	10	3,996.83	10	3,823.37	10	3,635.20	10	3,439.76	10	3,110.28	10	2,745.56	10	2,380.85	10
1/4	1/4	1/4	1/4	1/4	1/4	3,993.34	1/4	3,819.56	1/4	3,631.15	1/4	3,435.68	1/4	3,102.68	1/4	2,737.97	1/4	2,373.25	1/4
1/2	1/2	1/2	1/2	1/2	1/2	3,989.84	1/2	3,815.75	1/2	3,627.11	1/2	3,431.61	1/2	3,095.09	1/2	2,730.37	1/2	2,365.65	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3,986.35	3/4	3,811.93	3/4	3,623.06	3/4	3,427.53	3/4	3,087.49	3/4	2,722.77	3/4	2,358.05	3/4
11	11	11	11	11	11	3,982.86	11	3,808.12	11	3,619.01	11	3,423.46	11	3,079.89	11	2,715.17	11	2,350.45	11
1/4	1/4	1/4	1/4	1/4	1/4	3,979.34	1/4	3,804.29	1/4	3,614.95	1/4	3,419.38	1/4	3,072.29	1/4	2,707.57	1/4	2,342.85	1/4
1/2	1/2	1/2	1/2	1/2	1/2	3,975.83	1/2	3,800.46	1/2	3,610.88	1/2	3,415.31	1/2	3,064.69	1/2	2,699.97	1/2	2,335.26	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3,972.32	3/4	3,796.62	3/4	3,606.82	3/4	3,411.23	3/4	3,057.09	3/4	2,692.38	3/4	2,327.66	3/4

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'-10" OFF CENTERLINE AND 49' 06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27720"

3 STBD
ULLAGE TABLE
HERMETIC
GAUGE HEIGHT 16'-09"

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	2,320.06	0	1,955.34	0	1,590.62	0	1,229.78	0	866.00	0	501.41	0	144.24	0		0		0	
1/4	2,312.46	1/4	1,947.74	1/4	1,583.02	1/4	1,222.18	1/4	858.43	1/4	494.03	1/4	136.98	1/4	1/4	1/4		1/4	
1/2	2,304.86	1/2	1,940.15	1/2	1,575.42	1/2	1,214.58	1/2	850.85	1/2	486.66	1/2	129.72	1/2	1/2	1/2		1/2	
3/4	2,297.26	3/4	1,932.55	3/4	1,567.82	3/4	1,206.98	3/4	843.28	3/4	479.28	3/4	122.46	3/4	3/4	3/4		3/4	
1	2,289.67	1	1,924.95	1	1,560.22	1	1,199.38	1	835.71	1	471.91	1	115.21	1	1	1		1	
1/4	2,282.07	1/4	1,917.35	1/4	1,552.62	1/4	1,191.78	1/4	828.12	1/4	464.98	1/4	108.91	1/4	1/4	1/4		1/4	
1/2	2,274.47	1/2	1,909.75	1/2	1,545.02	1/2	1,184.18	1/2	820.54	1/2	458.06	1/2	102.61	1/2	1/2	1/2		1/2	
3/4	2,266.87	3/4	1,902.15	3/4	1,537.43	3/4	1,176.58	3/4	812.95	3/4	451.13	3/4	96.31	3/4	3/4	3/4		3/4	
2	2,259.27	2	1,894.56	2	1,529.83	2	1,168.98	2	805.37	2	444.20	2	90.01	2	2	2		2	
1/4	2,251.67	1/4	1,886.96	1/4	1,522.23	1/4	1,161.38	1/4	797.77	1/4	437.28	1/4	85.20	1/4	1/4	1/4		1/4	
1/2	2,244.08	1/2	1,879.36	1/2	1,514.63	1/2	1,153.78	1/2	790.17	1/2	430.35	1/2	80.39	1/2	1/2	1/2		1/2	
3/4	2,236.48	3/4	1,871.76	3/4	1,507.03	3/4	1,146.19	3/4	782.57	3/4	423.43	3/4	75.58	3/4	3/4	3/4		3/4	
3	2,228.88	3	1,864.16	3	1,499.43	3	1,138.59	3	774.97	3	416.50	3	70.77	3	3	3		3	
1/4	2,221.28	1/4	1,856.56	1/4	1,491.84	1/4	1,131.00	1/4	767.37	1/4	409.13	1/4	67.67	1/4	1/4	1/4		1/4	
1/2	2,213.68	1/2	1,848.96	1/2	1,484.24	1/2	1,123.41	1/2	759.77	1/2	401.77	1/2	64.58	1/2	1/2	1/2		1/2	
3/4	2,206.08	3/4	1,841.37	3/4	1,476.64	3/4	1,115.83	3/4	752.17	3/4	394.40	3/4	61.48	3/4	3/4	3/4		3/4	
4	2,198.49	4	1,833.77	4	1,469.04	4	1,108.24	4	744.57	4	387.03	4	58.39	4	4	4		4	
1/4	2,190.89	1/4	1,826.17	1/4	1,461.52	1/4	1,100.67	1/4	736.98	1/4	379.45	1/4	56.57	1/4	1/4	1/4		1/4	
1/2	2,183.29	1/2	1,818.57	1/2	1,454.00	1/2	1,093.10	1/2	729.38	1/2	371.88	1/2	54.75	1/2	1/2	1/2		1/2	
3/4	2,175.69	3/4	1,810.97	3/4	1,446.49	3/4	1,085.52	3/4	721.78	3/4	364.30	3/4	52.94	3/4	3/4	3/4		3/4	
5	2,168.09	5	1,803.37	5	1,438.97	5	1,077.95	5	714.18	5	356.73	5	51.12	5	5	5		5	
1/4	2,160.49	1/4	1,795.78	1/4	1,431.53	1/4	1,070.38	1/4	706.58	1/4	349.16	1/4	50.15	1/4	1/4	1/4		1/4	
1/2	2,152.90	1/2	1,788.18	1/2	1,424.10	1/2	1,062.81	1/2	698.98	1/2	341.59	1/2	49.19	1/2	1/2	1/2		1/2	
3/4	2,145.30	3/4	1,780.58	3/4	1,416.66	3/4	1,055.24	3/4	691.38	3/4	334.02	3/4	48.22	3/4	3/4	3/4		3/4	
6	2,137.70	6	1,772.98	6	1,409.23	6	1,047.67	6	683.78	6	326.45	6	47.26	6	6	6		6	
1/4	2,130.10	1/4	1,765.38	1/4	1,401.79	1/4	1,040.10	1/4	676.19	1/4	318.87	1/4		1/4	1/4	1/4		1/4	
1/2	2,122.50	1/2	1,757.78	1/2	1,394.35	1/2	1,032.53	1/2	668.59	1/2	311.30	1/2		1/2	1/2	1/2		1/2	
3/4	2,114.91	3/4	1,750.18	3/4	1,386.92	3/4	1,024.96	3/4	660.99	3/4	303.72	3/4		3/4	3/4	3/4		3/4	
7	2,107.31	7	1,742.59	7	1,379.48	7	1,017.39	7	653.39	7	296.14	7		7	7	7		7	
1/4	2,099.71	1/4	1,734.99	1/4	1,372.04	1/4	1,009.82	1/4	645.79	1/4	288.55	1/4		1/4	1/4	1/4		1/4	
1/2	2,092.11	1/2	1,727.39	1/2	1,364.61	1/2	1,002.25	1/2	638.19	1/2	280.96	1/2		1/2	1/2	1/2		1/2	
3/4	2,084.51	3/4	1,719.79	3/4	1,357.17	3/4	994.68	3/4	630.59	3/4	273.37	3/4		3/4	3/4	3/4		3/4	
8	2,076.91	8	1,712.19	8	1,349.74	8	987.11	8	622.99	8	265.78	8		8	8	8		8	
1/4	2,069.32	1/4	1,704.59	1/4	1,342.30	1/4	979.54	1/4	615.40	1/4	258.18	1/4		1/4	1/4	1/4		1/4	
1/2	2,061.72	1/2	1,696.99	1/2	1,334.86	1/2	971.97	1/2	607.80	1/2	250.59	1/2		1/2	1/2	1/2		1/2	
3/4	2,054.12	3/4	1,689.40	3/4	1,327.43	3/4	964.40	3/4	600.20	3/4	242.99	3/4		3/4	3/4	3/4		3/4	
9	2,046.52	9	1,681.80	9	1,319.99	9	956.84	9	592.60	9	235.39	9		9	9	9		9	
1/4	2,038.92	1/4	1,674.20	1/4	1,312.55	1/4	949.27	1/4	585.00	1/4	227.79	1/4		1/4	1/4	1/4		1/4	
1/2	2,031.32	1/2	1,666.60	1/2	1,305.12	1/2	941.70	1/2	577.40	1/2	220.19	1/2		1/2	1/2	1/2		1/2	
3/4	2,023.73	3/4	1,659.00	3/4	1,297.68	3/4	934.13	3/4	569.80	3/4	212.60	3/4		3/4	3/4	3/4		3/4	
10	2,016.13	10	1,651.40	10	1,290.24	10	926.56	10	562.20	10	205.00	10		10	10	10		10	
1/4	2,008.53	1/4	1,643.81	1/4	1,282.73	1/4	918.99	1/4	554.60	1/4	197.40	1/4		1/4	1/4	1/4		1/4	
1/2	2,000.93	1/2	1,636.21	1/2	1,275.21	1/2	911.42	1/2	547.00	1/2	189.80	1/2		1/2	1/2	1/2		1/2	
3/4	1,993.33	3/4	1,628.61	3/4	1,267.69	3/4	903.85	3/4	539.40	3/4	182.20	3/4		3/4	3/4	3/4		3/4	
11	1,985.73	11	1,621.01	11	1,260.17	11	896.28	11	531.81	11	174.61	11		11	11	11		11	
1/4	1,978.14	1/4	1,613.41	1/4	1,252.57	1/4	888.71	1/4	524.21	1/4	167.01	1/4		1/4	1/4	1/4		1/4	
1/2	1,970.54	1/2	1,605.81	1/2	1,244.97	1/2	881.14	1/2	516.61	1/2	159.42	1/2		1/2	1/2	1/2		1/2	
3/4	1,962.94	3/4	1,598.21	3/4	1,237.37	3/4	873.57	3/4	509.01	3/4	151.83	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/10/2004 PMA
CALCULATED: 07/12/2019 SW
VERIFIED: 07/01/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2024

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



BARGE "KIRBY 27720"

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	2,325	0	4,651	0	6,976	0	9,302	0	11,627	0	13,953	0		0		0	
1/4	48	1/4	2,374	1/4	4,699	1/4	7,025	1/4	9,350	1/4	11,676	1/4	14,001	1/4		1/4		1/4	
1/2	97	1/2	2,422	1/2	4,748	1/2	7,073	1/2	9,399	1/2	11,724	1/2	14,050	1/2		1/2		1/2	
3/4	145	3/4	2,471	3/4	4,796	3/4	7,122	3/4	9,447	3/4	11,773	3/4	14,098	3/4		3/4		3/4	
1	194	1	2,519	1	4,845	1	7,170	1	9,496	1	11,821	1	14,147	1		1		1	
1/4	242	1/4	2,568	1/4	4,893	1/4	7,219	1/4	9,544	1/4	11,870	1/4	14,195	1/4		1/4		1/4	
1/2	291	1/2	2,616	1/2	4,942	1/2	7,267	1/2	9,593	1/2	11,918	1/2	14,244	1/2		1/2		1/2	
3/4	339	3/4	2,665	3/4	4,990	3/4	7,316	3/4	9,641	3/4	11,967	3/4	14,292	3/4		3/4		3/4	
2	388	2	2,713	2	5,039	2	7,364	2	9,690	2	12,015	2	14,340	2		2		2	
1/4	436	1/4	2,762	1/4	5,087	1/4	7,412	1/4	9,738	1/4	12,063	1/4	14,389	1/4		1/4		1/4	
1/2	484	1/2	2,810	1/2	5,135	1/2	7,461	1/2	9,786	1/2	12,112	1/2	14,437	1/2		1/2		1/2	
3/4	533	3/4	2,858	3/4	5,184	3/4	7,509	3/4	9,835	3/4	12,160	3/4		3/4		3/4		3/4	
3	581	3	2,907	3	5,232	3	7,558	3	9,883	3	12,209	3		3		3		3	
1/4	630	1/4	2,955	1/4	5,281	1/4	7,606	1/4	9,932	1/4	12,257	1/4		1/4		1/4		1/4	
1/2	678	1/2	3,004	1/2	5,329	1/2	7,655	1/2	9,980	1/2	12,306	1/2		1/2		1/2		1/2	
3/4	727	3/4	3,052	3/4	5,378	3/4	7,703	3/4	10,029	3/4	12,354	3/4		3/4		3/4		3/4	
4	775	4	3,101	4	5,426	4	7,752	4	10,077	4	12,403	4		4		4		4	
1/4	824	1/4	3,149	1/4	5,475	1/4	7,800	1/4	10,126	1/4	12,451	1/4		1/4		1/4		1/4	
1/2	872	1/2	3,198	1/2	5,523	1/2	7,849	1/2	10,174	1/2	12,499	1/2		1/2		1/2		1/2	
3/4	921	3/4	3,246	3/4	5,571	3/4	7,897	3/4	10,222	3/4	12,548	3/4		3/4		3/4		3/4	
5	969	5	3,294	5	5,620	5	7,945	5	10,271	5	12,596	5		5		5		5	
1/4	1,017	1/4	3,343	1/4	5,668	1/4	7,994	1/4	10,319	1/4	12,645	1/4		1/4		1/4		1/4	
1/2	1,066	1/2	3,391	1/2	5,717	1/2	8,042	1/2	10,368	1/2	12,693	1/2		1/2		1/2		1/2	
3/4	1,114	3/4	3,440	3/4	5,765	3/4	8,091	3/4	10,416	3/4	12,742	3/4		3/4		3/4		3/4	
6	1,163	6	3,488	6	5,814	6	8,139	6	10,465	6	12,790	6		6		6		6	
1/4	1,211	1/4	3,537	1/4	5,862	1/4	8,188	1/4	10,513	1/4	12,839	1/4		1/4		1/4		1/4	
1/2	1,260	1/2	3,585	1/2	5,911	1/2	8,236	1/2	10,562	1/2	12,887	1/2		1/2		1/2		1/2	
3/4	1,308	3/4	3,634	3/4	5,959	3/4	8,285	3/4	10,610	3/4	12,936	3/4		3/4		3/4		3/4	
7	1,357	7	3,682	7	6,008	7	8,333	7	10,658	7	12,984	7		7		7		7	
1/4	1,405	1/4	3,730	1/4	6,056	1/4	8,381	1/4	10,707	1/4	13,032	1/4		1/4		1/4		1/4	
1/2	1,453	1/2	3,779	1/2	6,104	1/2	8,430	1/2	10,755	1/2	13,081	1/2		1/2		1/2		1/2	
3/4	1,502	3/4	3,827	3/4	6,153	3/4	8,478	3/4	10,804	3/4	13,129	3/4		3/4		3/4		3/4	
8	1,550	8	3,876	8	6,201	8	8,527	8	10,852	8	13,178	8		8		8		8	
1/4	1,599	1/4	3,924	1/4	6,250	1/4	8,575	1/4	10,901	1/4	13,226	1/4		1/4		1/4		1/4	
1/2	1,647	1/2	3,973	1/2	6,298	1/2	8,624	1/2	10,949	1/2	13,275	1/2		1/2		1/2		1/2	
3/4	1,696	3/4	4,021	3/4	6,347	3/4	8,672	3/4	10,998	3/4	13,323	3/4		3/4		3/4		3/4	
9	1,744	9	4,070	9	6,395	9	8,721	9	11,046	9	13,372	9		9		9		9	
1/4	1,793	1/4	4,118	1/4	6,444	1/4	8,769	1/4	11,095	1/4	13,420	1/4		1/4		1/4		1/4	
1/2	1,841	1/2	4,166	1/2	6,492	1/2	8,817	1/2	11,143	1/2	13,468	1/2		1/2		1/2		1/2	
3/4	1,889	3/4	4,215	3/4	6,540	3/4	8,866	3/4	11,191	3/4	13,517	3/4		3/4		3/4		3/4	
10	1,938	10	4,263	10	6,589	10	8,914	10	11,240	10	13,565	10		10		10		10	
1/4	1,986	1/4	4,312	1/4	6,637	1/4	8,963	1/4	11,288	1/4	13,614	1/4		1/4		1/4		1/4	
1/2	2,035	1/2	4,360	1/2	6,686	1/2	9,011	1/2	11,337	1/2	13,662	1/2		1/2		1/2		1/2	
3/4	2,083	3/4	4,409	3/4	6,734	3/4	9,060	3/4	11,385	3/4	13,711	3/4		3/4		3/4		3/4	
11	2,132	11	4,457	11	6,783	11	9,108	11	11,434	11	13,759	11		11		11		11	
1/4	2,180	1/4	4,506	1/4	6,831	1/4	9,157	1/4	11,482	1/4	13,808	1/4		1/4		1/4		1/4	
1/2	2,229	1/2	4,554	1/2	6,880	1/2	9,205	1/2	11,531	1/2	13,856	1/2		1/2		1/2		1/2	
3/4	2,277	3/4	4,603	3/4	6,928	3/4	9,253	3/4	11,579	3/4	13,904	3/4		3/4		3/4		3/4	

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE IS SCALED FROM THE BOTTOM OF TANK

STRAPPED: 03/06/2019 SW - SW/JS
CALCULATED: 03/07/2019 CL
PRINTED: 03/08/19 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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