



# BARGE "DBL 18"

## INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4
1 CENTER	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8

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

LENGTH BETWEEN DRAFT MARKS: 206'-09"

May 13, 2011

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

<http://www.pmacorp.net>



# BARGE "DBL 18"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-00 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	9.62	0	335.75	0	664.18	0	992.62	0	1,321.05	0	1,649.49	0	1,977.92	0	2,306.36	0	2,634.80	0	2,963.23
1/4	15.89	1/4	342.59	1/4	671.03	1/4	999.46	1/4	1,327.90	1/4	1,656.33	1/4	1,984.77	1/4	2,313.20	1/4	2,641.64	1/4	2,970.07
1/2	22.16	1/2	349.43	1/2	677.87	1/2	1,006.30	1/2	1,334.74	1/2	1,663.17	1/2	1,991.61	1/2	2,320.04	1/2	2,648.48	1/2	2,976.92
3/4	28.44	3/4	356.28	3/4	684.71	3/4	1,013.15	3/4	1,341.58	3/4	1,670.02	3/4	1,998.45	3/4	2,326.89	3/4	2,655.32	3/4	2,983.76
1	34.71	1	363.12	1	691.55	1	1,019.99	1	1,348.42	1	1,676.86	1	2,005.29	1	2,333.73	1	2,662.16	1	2,990.60
1/4	41.55	1/4	369.96	1/4	698.40	1/4	1,026.83	1/4	1,355.27	1/4	1,683.70	1/4	2,012.14	1/4	2,340.57	1/4	2,669.01	1/4	2,997.44
1/2	48.40	1/2	376.80	1/2	705.24	1/2	1,033.67	1/2	1,362.11	1/2	1,690.54	1/2	2,018.98	1/2	2,347.41	1/2	2,675.85	1/2	3,004.28
3/4	55.24	3/4	383.65	3/4	712.08	3/4	1,040.52	3/4	1,368.95	3/4	1,697.39	3/4	2,025.82	3/4	2,354.26	3/4	2,682.69	3/4	3,011.13
2	62.08	2	390.49	2	718.92	2	1,047.36	2	1,375.79	2	1,704.23	2	2,032.66	2	2,361.10	2	2,689.53	2	3,017.97
1/4	68.92	1/4	397.33	1/4	725.77	1/4	1,054.20	1/4	1,382.64	1/4	1,711.07	1/4	2,039.51	1/4	2,367.94	1/4	2,696.38	1/4	3,024.81
1/2	75.77	1/2	404.17	1/2	732.61	1/2	1,061.04	1/2	1,389.48	1/2	1,717.91	1/2	2,046.35	1/2	2,374.78	1/2	2,703.22	1/2	3,031.65
3/4	82.61	3/4	411.02	3/4	739.45	3/4	1,067.89	3/4	1,396.32	3/4	1,724.76	3/4	2,053.19	3/4	2,381.63	3/4	2,710.06	3/4	3,038.50
3	89.45	3	417.86	3	746.29	3	1,074.73	3	1,403.16	3	1,731.60	3	2,060.03	3	2,388.47	3	2,716.90	3	3,045.34
1/4	96.29	1/4	424.70	1/4	753.14	1/4	1,081.57	1/4	1,410.01	1/4	1,738.44	1/4	2,066.88	1/4	2,395.31	1/4	2,723.75	1/4	3,052.18
1/2	103.13	1/2	431.54	1/2	759.98	1/2	1,088.41	1/2	1,416.85	1/2	1,745.28	1/2	2,073.72	1/2	2,402.15	1/2	2,730.59	1/2	3,059.02
3/4	109.97	3/4	438.38	3/4	766.82	3/4	1,095.26	3/4	1,423.69	3/4	1,752.13	3/4	2,080.56	3/4	2,409.00	3/4	2,737.43	3/4	3,065.87
4	116.82	4	445.23	4	773.66	4	1,102.10	4	1,430.53	4	1,758.97	4	2,087.40	4	2,415.84	4	2,744.27	4	3,072.71
1/4	123.66	1/4	452.07	1/4	780.50	1/4	1,108.94	1/4	1,437.38	1/4	1,765.81	1/4	2,094.25	1/4	2,422.68	1/4	2,751.12	1/4	3,079.55
1/2	130.50	1/2	458.91	1/2	787.35	1/2	1,115.78	1/2	1,444.22	1/2	1,772.65	1/2	2,101.09	1/2	2,429.52	1/2	2,757.96	1/2	3,086.39
3/4	137.34	3/4	465.75	3/4	794.19	3/4	1,122.62	3/4	1,451.06	3/4	1,779.50	3/4	2,107.93	3/4	2,436.37	3/4	2,764.80	3/4	3,093.24
5	144.18	5	472.60	5	801.03	5	1,129.47	5	1,457.90	5	1,786.34	5	2,114.77	5	2,443.21	5	2,771.64	5	3,100.08
1/4	151.02	1/4	479.44	1/4	807.87	1/4	1,136.31	1/4	1,464.74	1/4	1,793.18	1/4	2,121.62	1/4	2,450.05	1/4	2,778.49	1/4	3,106.92
1/2	157.86	1/2	486.28	1/2	814.72	1/2	1,143.15	1/2	1,471.59	1/2	1,800.02	1/2	2,128.46	1/2	2,456.89	1/2	2,785.33	1/2	3,113.76
3/4	164.70	3/4	493.12	3/4	821.56	3/4	1,149.99	3/4	1,478.43	3/4	1,806.86	3/4	2,135.30	3/4	2,463.74	3/4	2,792.17	3/4	3,120.61
6	171.55	6	499.97	6	828.40	6	1,156.84	6	1,485.27	6	1,813.71	6	2,142.14	6	2,470.58	6	2,799.01	6	3,127.45
1/4	178.39	1/4	506.81	1/4	835.24	1/4	1,163.68	1/4	1,492.11	1/4	1,820.55	1/4	2,148.98	1/4	2,477.42	1/4	2,805.86	1/4	3,134.29
1/2	185.23	1/2	513.65	1/2	842.09	1/2	1,170.52	1/2	1,498.96	1/2	1,827.39	1/2	2,155.83	1/2	2,484.26	1/2	2,812.70	1/2	3,141.13
3/4	192.07	3/4	520.49	3/4	848.93	3/4	1,177.36	3/4	1,505.80	3/4	1,834.23	3/4	2,162.67	3/4	2,491.10	3/4	2,819.54	3/4	3,147.98
7	198.91	7	527.34	7	855.77	7	1,184.21	7	1,512.64	7	1,841.08	7	2,169.51	7	2,497.95	7	2,826.38	7	3,154.82
1/4	205.75	1/4	534.18	1/4	862.61	1/4	1,191.05	1/4	1,519.48	1/4	1,847.92	1/4	2,176.35	1/4	2,504.79	1/4	2,833.22	1/4	3,161.66
1/2	212.59	1/2	541.02	1/2	869.46	1/2	1,197.89	1/2	1,526.33	1/2	1,854.76	1/2	2,183.20	1/2	2,511.63	1/2	2,840.07	1/2	3,168.50
3/4	219.43	3/4	547.86	3/4	876.30	3/4	1,204.73	3/4	1,533.17	3/4	1,861.60	3/4	2,190.04	3/4	2,518.47	3/4	2,846.91	3/4	3,175.34
8	226.28	8	554.71	8	883.14	8	1,211.58	8	1,540.01	8	1,868.45	8	2,196.88	8	2,525.32	8	2,853.75	8	3,182.19
1/4	233.12	1/4	561.55	1/4	889.98	1/4	1,218.42	1/4	1,546.85	1/4	1,875.29	1/4	2,203.72	1/4	2,532.16	1/4	2,860.59	1/4	3,189.03
1/2	239.96	1/2	568.39	1/2	896.83	1/2	1,225.26	1/2	1,553.70	1/2	1,882.13	1/2	2,210.57	1/2	2,539.00	1/2	2,867.44	1/2	3,195.87
3/4	246.80	3/4	575.23	3/4	903.67	3/4	1,232.10	3/4	1,560.54	3/4	1,888.97	3/4	2,217.41	3/4	2,545.84	3/4	2,874.28	3/4	3,202.71
9	253.64	9	582.08	9	910.51	9	1,238.95	9	1,567.38	9	1,895.82	9	2,224.25	9	2,552.69	9	2,881.12	9	3,209.56
1/4	260.48	1/4	588.92	1/4	917.35	1/4	1,245.79	1/4	1,574.22	1/4	1,902.66	1/4	2,231.09	1/4	2,559.53	1/4	2,887.96	1/4	3,216.40
1/2	267.32	1/2	595.76	1/2	924.20	1/2	1,252.63	1/2	1,581.07	1/2	1,909.50	1/2	2,237.94	1/2	2,566.37	1/2	2,894.81	1/2	3,223.24
3/4	274.17	3/4	602.60	3/4	931.04	3/4	1,259.47	3/4	1,587.91	3/4	1,916.34	3/4	2,244.78	3/4	2,573.21	3/4	2,901.65	3/4	3,230.08
10	281.01	10	609.44	10	937.88	10	1,266.32	10	1,594.75	10	1,923.19	10	2,251.62	10	2,580.06	10	2,908.49	10	3,236.93
1/4	287.85	1/4	616.29	1/4	944.72	1/4	1,273.16	1/4	1,601.59	1/4	1,930.03	1/4	2,258.46	1/4	2,586.90	1/4	2,915.33	1/4	3,243.77
1/2	294.69	1/2	623.13	1/2	951.56	1/2	1,280.00	1/2	1,608.44	1/2	1,936.87	1/2	2,265.31	1/2	2,593.74	1/2	2,922.18	1/2	3,250.61
3/4	301.54	3/4	629.97	3/4	958.41	3/4	1,286.84	3/4	1,615.28	3/4	1,943.71	3/4	2,272.15	3/4	2,600.58	3/4	2,929.02	3/4	3,257.45
11	308.38	11	636.81	11	965.25	11	1,293.68	11	1,622.12	11	1,950.56	11	2,278.99	11	2,607.43	11	2,935.86	11	3,264.30
1/4	315.22	1/4	643.66	1/4	972.09	1/4	1,300.53	1/4	1,628.96	1/4	1,957.40	1/4	2,285.83	1/4	2,614.27	1/4	2,942.70	1/4	3,271.14
1/2	322.06	1/2	650.50	1/2	978.93	1/2	1,307.37	1/2	1,635.80	1/2	1,964.24	1/2	2,292.68	1/2	2,621.11	1/2	2,949.55	1/2	3,277.98
3/4	328.91	3/4	657.34	3/4	985.78	3/4	1,314.21	3/4	1,642.65	3/4	1,971.08	3/4	2,299.52	3/4	2,627.95	3/4	2,956.39	3/4	3,284.82

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 INNAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 4'-03" OFF CENTERLINE AND 105'-06" 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 "DBL 18"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-00 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	3,291.67	0	3,620.10	0		0		0		0		0		0		0		0	
1/4	3,298.51	1/4	3,626.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,305.35	1/2	3,633.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,312.19	3/4	3,640.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,319.04	1	3,647.47	1		1		1		1		1		1		1		1	
1/4	3,325.88	1/4	3,654.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,332.72	1/2	3,661.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,339.56	3/4	3,668.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,346.40	2	3,674.84	2		2		2		2		2		2		2		2	
1/4	3,353.25	1/4	3,681.68	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,360.09	1/2	3,688.52	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,366.93	3/4	3,695.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,373.77	3	3,702.21	3		3		3		3		3		3		3		3	
1/4	3,380.62	1/4	3,709.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,387.46	1/2	3,715.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,394.30	3/4	3,722.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,401.14	4	3,729.58	4		4		4		4		4		4		4		4	
1/4	3,407.99	1/4	3,736.42	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,414.83	1/2	3,743.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,421.67	3/4	3,750.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,428.51	5	3,756.95	5		5		5		5		5		5		5		5	
1/4	3,435.36	1/4	3,761.74	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,442.20	1/2	3,766.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,449.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,455.88	6		6		6		6		6		6		6		6		6	
1/4	3,462.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,469.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,476.41	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,483.25	7		7		7		7		7		7		7		7		7	
1/4	3,490.10	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,496.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,503.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,510.62	8		8		8		8		8		8		8		8		8	
1/4	3,517.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,524.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,531.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,537.99	9		9		9		9		9		9		9		9		9	
1/4	3,544.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,551.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,558.52	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,565.36	10		10		10		10		10		10		10		10		10	
1/4	3,572.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,579.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,585.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,592.73	11		11		11		11		11		11		11		11		11	
1/4	3,599.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,606.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,613.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2011 CL - SW  
CALCULATED: 05/13/2011 CL  
PRINTED: 05/13/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2011

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



# BARGE "DBL 18"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 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	0.49	0	291.75	0	602.41	0	913.08	0	1,223.74	0	1,534.41	0	1,845.07	0	2,155.74	0	2,466.41	0	2,777.07
1/4	2.65	1/4	298.22	1/4	608.88	1/4	919.55	1/4	1,230.21	1/4	1,540.88	1/4	1,851.55	1/4	2,162.21	1/4	2,472.88	1/4	2,783.54
1/2	4.81	1/2	304.69	1/2	615.36	1/2	926.02	1/2	1,236.69	1/2	1,547.35	1/2	1,858.02	1/2	2,168.68	1/2	2,479.35	1/2	2,790.02
3/4	6.97	3/4	311.16	3/4	621.83	3/4	932.49	3/4	1,243.16	3/4	1,553.82	3/4	1,864.49	3/4	2,175.16	3/4	2,485.82	3/4	2,796.49
1	9.12	1	317.63	1	628.30	1	938.97	1	1,249.63	1	1,560.30	1	1,870.96	1	2,181.63	1	2,492.29	1	2,802.96
1/4	15.06	1/4	324.11	1/4	634.77	1/4	945.44	1/4	1,256.10	1/4	1,566.77	1/4	1,877.43	1/4	2,188.10	1/4	2,498.77	1/4	2,809.43
1/2	20.99	1/2	330.58	1/2	641.24	1/2	951.91	1/2	1,262.58	1/2	1,573.24	1/2	1,883.91	1/2	2,194.57	1/2	2,505.24	1/2	2,815.90
3/4	26.92	3/4	337.05	3/4	647.72	3/4	958.38	3/4	1,269.05	3/4	1,579.71	3/4	1,890.38	3/4	2,201.04	3/4	2,511.71	3/4	2,822.38
2	32.86	2	343.52	2	654.19	2	964.85	2	1,275.52	2	1,586.19	2	1,896.85	2	2,207.52	2	2,518.18	2	2,828.85
1/4	39.33	1/4	350.00	1/4	660.66	1/4	971.33	1/4	1,281.99	1/4	1,592.66	1/4	1,903.32	1/4	2,213.99	1/4	2,524.65	1/4	2,835.32
1/2	45.80	1/2	356.47	1/2	667.13	1/2	977.80	1/2	1,288.46	1/2	1,599.13	1/2	1,909.80	1/2	2,220.46	1/2	2,531.13	1/2	2,841.79
3/4	52.27	3/4	362.94	3/4	673.61	3/4	984.27	3/4	1,294.94	3/4	1,605.60	3/4	1,916.27	3/4	2,226.93	3/4	2,537.60	3/4	2,848.26
3	58.75	3	369.41	3	680.08	3	990.74	3	1,301.41	3	1,612.07	3	1,922.74	3	2,233.41	3	2,544.07	3	2,854.74
1/4	65.22	1/4	375.88	1/4	686.55	1/4	997.22	1/4	1,307.88	1/4	1,618.55	1/4	1,929.21	1/4	2,239.88	1/4	2,550.54	1/4	2,861.21
1/2	71.69	1/2	382.36	1/2	693.02	1/2	1,003.69	1/2	1,314.35	1/2	1,625.02	1/2	1,935.68	1/2	2,246.35	1/2	2,557.02	1/2	2,867.68
3/4	78.16	3/4	388.83	3/4	699.49	3/4	1,010.16	3/4	1,320.83	3/4	1,631.49	3/4	1,942.16	3/4	2,252.82	3/4	2,563.49	3/4	2,874.15
4	84.64	4	395.30	4	705.97	4	1,016.63	4	1,327.30	4	1,637.96	4	1,948.63	4	2,259.29	4	2,569.96	4	2,880.63
1/4	91.11	1/4	401.77	1/4	712.44	1/4	1,023.10	1/4	1,333.77	1/4	1,644.44	1/4	1,955.10	1/4	2,265.77	1/4	2,576.43	1/4	2,887.10
1/2	97.58	1/2	408.25	1/2	718.91	1/2	1,029.58	1/2	1,340.24	1/2	1,650.91	1/2	1,961.57	1/2	2,272.24	1/2	2,582.90	1/2	2,893.57
3/4	104.05	3/4	414.72	3/4	725.38	3/4	1,036.05	3/4	1,346.71	3/4	1,657.38	3/4	1,968.05	3/4	2,278.71	3/4	2,589.38	3/4	2,900.04
5	110.52	5	421.19	5	731.86	5	1,042.52	5	1,353.19	5	1,663.85	5	1,974.52	5	2,285.18	5	2,595.85	5	2,906.51
1/4	117.00	1/4	427.66	1/4	738.33	1/4	1,048.99	1/4	1,359.66	1/4	1,670.32	1/4	1,980.99	1/4	2,291.66	1/4	2,602.32	1/4	2,912.99
1/2	123.47	1/2	434.13	1/2	744.80	1/2	1,055.47	1/2	1,366.13	1/2	1,676.80	1/2	1,987.46	1/2	2,298.13	1/2	2,608.79	1/2	2,919.46
3/4	129.94	3/4	440.61	3/4	751.27	3/4	1,061.94	3/4	1,372.60	3/4	1,683.27	3/4	1,993.93	3/4	2,304.60	3/4	2,615.27	3/4	2,925.93
6	136.41	6	447.08	6	757.74	6	1,068.41	6	1,379.08	6	1,689.74	6	2,000.41	6	2,311.07	6	2,621.74	6	2,932.40
1/4	142.89	1/4	453.55	1/4	764.22	1/4	1,074.88	1/4	1,385.55	1/4	1,696.21	1/4	2,006.88	1/4	2,317.54	1/4	2,628.21	1/4	2,938.88
1/2	149.36	1/2	460.02	1/2	770.69	1/2	1,081.35	1/2	1,392.02	1/2	1,702.69	1/2	2,013.35	1/2	2,324.02	1/2	2,634.68	1/2	2,945.35
3/4	155.83	3/4	466.50	3/4	777.16	3/4	1,087.83	3/4	1,398.49	3/4	1,709.16	3/4	2,019.82	3/4	2,330.49	3/4	2,641.15	3/4	2,951.82
7	162.30	7	472.97	7	783.63	7	1,094.30	7	1,404.96	7	1,715.63	7	2,026.30	7	2,336.96	7	2,647.63	7	2,958.29
1/4	168.77	1/4	479.44	1/4	790.11	1/4	1,100.77	1/4	1,411.44	1/4	1,722.10	1/4	2,032.77	1/4	2,343.43	1/4	2,654.10	1/4	2,964.76
1/2	175.25	1/2	485.91	1/2	796.58	1/2	1,107.24	1/2	1,417.91	1/2	1,728.57	1/2	2,039.24	1/2	2,349.91	1/2	2,660.57	1/2	2,971.24
3/4	181.72	3/4	492.38	3/4	803.05	3/4	1,113.72	3/4	1,424.38	3/4	1,735.05	3/4	2,045.71	3/4	2,356.38	3/4	2,667.04	3/4	2,977.71
8	188.19	8	498.86	8	809.52	8	1,120.19	8	1,430.85	8	1,741.52	8	2,052.18	8	2,362.85	8	2,673.52	8	2,984.18
1/4	194.66	1/4	505.33	1/4	815.99	1/4	1,126.66	1/4	1,437.33	1/4	1,747.99	1/4	2,058.66	1/4	2,369.32	1/4	2,679.99	1/4	2,990.65
1/2	201.14	1/2	511.80	1/2	822.47	1/2	1,133.13	1/2	1,443.80	1/2	1,754.46	1/2	2,065.13	1/2	2,375.79	1/2	2,686.46	1/2	2,997.13
3/4	207.61	3/4	518.27	3/4	828.94	3/4	1,139.60	3/4	1,450.27	3/4	1,760.94	3/4	2,071.60	3/4	2,382.27	3/4	2,692.93	3/4	3,003.60
9	214.08	9	524.75	9	835.41	9	1,146.08	9	1,456.74	9	1,767.41	9	2,078.07	9	2,388.74	9	2,699.40	9	3,010.07
1/4	220.55	1/4	531.22	1/4	841.88	1/4	1,152.55	1/4	1,463.21	1/4	1,773.88	1/4	2,084.55	1/4	2,395.21	1/4	2,705.88	1/4	3,016.54
1/2	227.02	1/2	537.69	1/2	848.36	1/2	1,159.02	1/2	1,469.69	1/2	1,780.35	1/2	2,091.02	1/2	2,401.68	1/2	2,712.35	1/2	3,023.01
3/4	233.50	3/4	544.16	3/4	854.83	3/4	1,165.49	3/4	1,476.16	3/4	1,786.82	3/4	2,097.49	3/4	2,408.16	3/4	2,718.82	3/4	3,029.49
10	239.97	10	550.63	10	861.30	10	1,171.97	10	1,482.63	10	1,793.30	10	2,103.96	10	2,414.63	10	2,725.29	10	3,035.96
1/4	246.44	1/4	557.11	1/4	867.77	1/4	1,178.44	1/4	1,489.10	1/4	1,799.77	1/4	2,110.43	1/4	2,421.10	1/4	2,731.77	1/4	3,042.43
1/2	252.91	1/2	563.58	1/2	874.24	1/2	1,184.91	1/2	1,495.58	1/2	1,806.24	1/2	2,116.91	1/2	2,427.57	1/2	2,738.24	1/2	3,048.90
3/4	259.38	3/4	570.05	3/4	880.72	3/4	1,191.38	3/4	1,502.05	3/4	1,812.71	3/4	2,123.38	3/4	2,434.04	3/4	2,744.71	3/4	3,055.38
11	265.86	11	576.52	11	887.19	11	1,197.85	11	1,508.52	11	1,819.19	11	2,129.85	11	2,440.52	11	2,751.18	11	3,061.85
1/4	272.33	1/4	582.99	1/4	893.66	1/4	1,204.33	1/4	1,514.99	1/4	1,825.66	1/4	2,136.32	1/4	2,446.99	1/4	2,757.65	1/4	3,068.32
1/2	278.80	1/2	589.47	1/2	900.13	1/2	1,210.80	1/2	1,521.46	1/2	1,832.13	1/2	2,142.80	1/2	2,453.46	1/2	2,764.13	1/2	3,074.79
3/4	285.27	3/4	595.94	3/4	906.60	3/4	1,217.27	3/4	1,527.94	3/4	1,838.60	3/4	2,149.27	3/4	2,459.93	3/4	2,770.60	3/4	3,081.26

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 INNAGE GAUGES TAKEN AT 10" DIAMETER HATCH (TOP LIP OPPOSITE HINGE).

GAUGE POINT: (10" HATCH) LOCATED ON CENTERLINE AND 49'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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Pearland, Texas 77588

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# BARGE "DBL 18"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 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	3,087.74	0	3,398.40	0	3,688.36	0		0		0		0		0		0		0	
1/4	3,094.21	1/4	3,404.87	1/4	3,689.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,100.68	1/2	3,411.35	1/2	3,689.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,107.15	3/4	3,417.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,113.63	1	3,424.29	1		1		1		1		1		1		1		1	
1/4	3,120.10	1/4	3,430.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,126.57	1/2	3,437.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,133.04	3/4	3,443.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,139.51	2	3,450.18	2		2		2		2		2		2		2		2	
1/4	3,145.99	1/4	3,456.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,152.46	1/2	3,463.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,158.93	3/4	3,469.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,165.40	3	3,476.07	3		3		3		3		3		3		3		3	
1/4	3,171.87	1/4	3,482.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,178.35	1/2	3,489.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,184.82	3/4	3,495.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,191.29	4	3,501.96	4		4		4		4		4		4		4		4	
1/4	3,197.76	1/4	3,508.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,204.24	1/2	3,514.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,210.71	3/4	3,521.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,217.18	5	3,527.85	5		5		5		5		5		5		5		5	
1/4	3,223.65	1/4	3,534.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,230.12	1/2	3,540.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,236.60	3/4	3,547.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,243.07	6	3,553.73	6		6		6		6		6		6		6		6	
1/4	3,249.54	1/4	3,560.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,256.01	1/2	3,566.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,262.49	3/4	3,573.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,268.96	7	3,579.62	7		7		7		7		7		7		7		7	
1/4	3,275.43	1/4	3,586.10	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,281.90	1/2	3,592.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,288.37	3/4	3,599.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,294.85	8	3,605.51	8		8		8		8		8		8		8		8	
1/4	3,301.32	1/4	3,611.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,307.79	1/2	3,618.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,314.26	3/4	3,624.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,320.74	9	3,631.40	9		9		9		9		9		9		9		9	
1/4	3,327.21	1/4	3,637.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,333.68	1/2	3,644.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,340.15	3/4	3,650.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,346.62	10	3,657.29	10		10		10		10		10		10		10		10	
1/4	3,353.10	1/4	3,662.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,359.57	1/2	3,667.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,366.04	3/4	3,672.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,372.51	11	3,678.00	11		11		11		11		11		11		11		11	
1/4	3,378.99	1/4	3,680.59	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,385.46	1/2	3,683.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,391.93	3/4	3,685.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 05/13/2011 CL - SW  
CALCULATED: 05/13/2011 CL  
PRINTED: 05/13/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2011

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "DBL 18"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-00 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	9.64	0	336.54	0	665.76	0	994.97	0	1,324.18	0	1,653.39	0	1,982.61	0	2,311.82	0	2,641.03	0	2,970.25
1/4	15.93	1/4	343.40	1/4	672.61	1/4	1,001.83	1/4	1,331.04	1/4	1,660.25	1/4	1,989.47	1/4	2,318.68	1/4	2,647.89	1/4	2,977.10
1/2	22.22	1/2	350.26	1/2	679.47	1/2	1,008.69	1/2	1,337.90	1/2	1,667.11	1/2	1,996.32	1/2	2,325.54	1/2	2,654.75	1/2	2,983.96
3/4	28.50	3/4	357.12	3/4	686.33	3/4	1,015.54	3/4	1,344.76	3/4	1,673.97	3/4	2,003.18	3/4	2,332.40	3/4	2,661.61	3/4	2,990.82
1	34.79	1	363.98	1	693.19	1	1,022.40	1	1,351.62	1	1,680.83	1	2,010.04	1	2,339.25	1	2,668.47	1	2,997.68
1/4	41.65	1/4	370.84	1/4	700.05	1/4	1,029.26	1/4	1,358.47	1/4	1,687.69	1/4	2,016.90	1/4	2,346.11	1/4	2,675.33	1/4	3,004.54
1/2	48.51	1/2	377.69	1/2	706.91	1/2	1,036.12	1/2	1,365.33	1/2	1,694.55	1/2	2,023.76	1/2	2,352.97	1/2	2,682.18	1/2	3,011.40
3/4	55.37	3/4	384.55	3/4	713.77	3/4	1,042.98	3/4	1,372.19	3/4	1,701.40	3/4	2,030.62	3/4	2,359.83	3/4	2,689.04	3/4	3,018.26
2	62.23	2	391.41	2	720.62	2	1,049.84	2	1,379.05	2	1,708.26	2	2,037.48	2	2,366.69	2	2,695.90	2	3,025.11
1/4	69.09	1/4	398.27	1/4	727.48	1/4	1,056.70	1/4	1,385.91	1/4	1,715.12	1/4	2,044.33	1/4	2,373.55	1/4	2,702.76	1/4	3,031.97
1/2	75.94	1/2	405.13	1/2	734.34	1/2	1,063.55	1/2	1,392.77	1/2	1,721.98	1/2	2,051.19	1/2	2,380.41	1/2	2,709.62	1/2	3,038.83
3/4	82.80	3/4	411.99	3/4	741.20	3/4	1,070.41	3/4	1,399.63	3/4	1,728.84	3/4	2,058.05	3/4	2,387.26	3/4	2,716.48	3/4	3,045.69
3	89.66	3	418.85	3	748.06	3	1,077.27	3	1,406.48	3	1,735.70	3	2,064.91	3	2,394.12	3	2,723.34	3	3,052.55
1/4	96.52	1/4	425.70	1/4	754.92	1/4	1,084.13	1/4	1,413.34	1/4	1,742.56	1/4	2,071.77	1/4	2,400.98	1/4	2,730.19	1/4	3,059.41
1/2	103.38	1/2	432.56	1/2	761.78	1/2	1,090.99	1/2	1,420.20	1/2	1,749.41	1/2	2,078.63	1/2	2,407.84	1/2	2,737.05	1/2	3,066.27
3/4	110.23	3/4	439.42	3/4	768.63	3/4	1,097.85	3/4	1,427.06	3/4	1,756.27	3/4	2,085.49	3/4	2,414.70	3/4	2,743.91	3/4	3,073.12
4	117.09	4	446.28	4	775.49	4	1,104.71	4	1,433.92	4	1,763.13	4	2,092.34	4	2,421.56	4	2,750.77	4	3,079.98
1/4	123.95	1/4	453.14	1/4	782.35	1/4	1,111.56	1/4	1,440.78	1/4	1,769.99	1/4	2,099.20	1/4	2,428.42	1/4	2,757.63	1/4	3,086.84
1/2	130.81	1/2	460.00	1/2	789.21	1/2	1,118.42	1/2	1,447.64	1/2	1,776.85	1/2	2,106.06	1/2	2,435.27	1/2	2,764.49	1/2	3,093.70
3/4	137.66	3/4	466.86	3/4	796.07	3/4	1,125.28	3/4	1,454.49	3/4	1,783.71	3/4	2,112.92	3/4	2,442.13	3/4	2,771.35	3/4	3,100.56
5	144.52	5	473.71	5	802.93	5	1,132.14	5	1,461.35	5	1,790.57	5	2,119.78	5	2,448.99	5	2,778.20	5	3,107.42
1/4	151.38	1/4	480.57	1/4	809.79	1/4	1,139.00	1/4	1,468.21	1/4	1,797.42	1/4	2,126.64	1/4	2,455.85	1/4	2,785.06	1/4	3,114.28
1/2	158.24	1/2	487.43	1/2	816.64	1/2	1,145.86	1/2	1,475.07	1/2	1,804.28	1/2	2,133.50	1/2	2,462.71	1/2	2,791.92	1/2	3,121.13
3/4	165.09	3/4	494.29	3/4	823.50	3/4	1,152.72	3/4	1,481.93	3/4	1,811.14	3/4	2,140.35	3/4	2,469.57	3/4	2,798.78	3/4	3,127.99
6	171.95	6	501.15	6	830.36	6	1,159.57	6	1,488.79	6	1,818.00	6	2,147.21	6	2,476.43	6	2,805.64	6	3,134.85
1/4	178.81	1/4	508.01	1/4	837.22	1/4	1,166.43	1/4	1,495.65	1/4	1,824.86	1/4	2,154.07	1/4	2,483.28	1/4	2,812.50	1/4	3,141.71
1/2	185.67	1/2	514.87	1/2	844.08	1/2	1,173.29	1/2	1,502.50	1/2	1,831.72	1/2	2,160.93	1/2	2,490.14	1/2	2,819.36	1/2	3,148.57
3/4	192.52	3/4	521.72	3/4	850.94	3/4	1,180.15	3/4	1,509.36	3/4	1,838.58	3/4	2,167.79	3/4	2,497.00	3/4	2,826.21	3/4	3,155.43
7	199.38	7	528.58	7	857.80	7	1,187.01	7	1,516.22	7	1,845.43	7	2,174.65	7	2,503.86	7	2,833.07	7	3,162.29
1/4	206.24	1/4	535.44	1/4	864.65	1/4	1,193.87	1/4	1,523.08	1/4	1,852.29	1/4	2,181.51	1/4	2,510.72	1/4	2,839.93	1/4	3,169.14
1/2	213.10	1/2	542.30	1/2	871.51	1/2	1,200.73	1/2	1,529.94	1/2	1,859.15	1/2	2,188.36	1/2	2,517.58	1/2	2,846.79	1/2	3,176.00
3/4	219.95	3/4	549.16	3/4	878.37	3/4	1,207.58	3/4	1,536.80	3/4	1,866.01	3/4	2,195.22	3/4	2,524.44	3/4	2,853.65	3/4	3,182.86
8	226.81	8	556.02	8	885.23	8	1,214.44	8	1,543.66	8	1,872.87	8	2,202.08	8	2,531.29	8	2,860.51	8	3,189.72
1/4	233.67	1/4	562.88	1/4	892.09	1/4	1,221.30	1/4	1,550.51	1/4	1,879.73	1/4	2,208.94	1/4	2,538.15	1/4	2,867.37	1/4	3,196.58
1/2	240.52	1/2	569.74	1/2	898.95	1/2	1,228.16	1/2	1,557.37	1/2	1,886.59	1/2	2,215.80	1/2	2,545.01	1/2	2,874.22	1/2	3,203.44
3/4	247.38	3/4	576.59	3/4	905.81	3/4	1,235.02	3/4	1,564.23	3/4	1,893.44	3/4	2,222.66	3/4	2,551.87	3/4	2,881.08	3/4	3,210.30
9	254.24	9	583.45	9	912.67	9	1,241.88	9	1,571.09	9	1,900.30	9	2,229.52	9	2,558.73	9	2,887.94	9	3,217.15
1/4	261.10	1/4	590.31	1/4	919.52	1/4	1,248.74	1/4	1,577.95	1/4	1,907.16	1/4	2,236.37	1/4	2,565.59	1/4	2,894.80	1/4	3,224.01
1/2	267.96	1/2	597.17	1/2	926.38	1/2	1,255.60	1/2	1,584.81	1/2	1,914.02	1/2	2,243.23	1/2	2,572.45	1/2	2,901.66	1/2	3,230.87
3/4	274.82	3/4	604.03	3/4	933.24	3/4	1,262.45	3/4	1,591.67	3/4	1,920.88	3/4	2,250.09	3/4	2,579.30	3/4	2,908.52	3/4	3,237.73
10	281.67	10	610.89	10	940.10	10	1,269.31	10	1,598.53	10	1,927.74	10	2,256.95	10	2,586.16	10	2,915.38	10	3,244.59
1/4	288.53	1/4	617.75	1/4	946.96	1/4	1,276.17	1/4	1,605.38	1/4	1,934.60	1/4	2,263.81	1/4	2,593.02	1/4	2,922.23	1/4	3,251.45
1/2	295.39	1/2	624.60	1/2	953.82	1/2	1,283.03	1/2	1,612.24	1/2	1,941.46	1/2	2,270.67	1/2	2,599.88	1/2	2,929.09	1/2	3,258.31
3/4	302.25	3/4	631.46	3/4	960.68	3/4	1,289.89	3/4	1,619.10	3/4	1,948.31	3/4	2,277.53	3/4	2,606.74	3/4	2,935.95	3/4	3,265.16
11	309.11	11	638.32	11	967.53	11	1,296.75	11	1,625.96	11	1,955.17	11	2,284.39	11	2,613.60	11	2,942.81	11	3,272.02
1/4	315.97	1/4	645.18	1/4	974.39	1/4	1,303.61	1/4	1,632.82	1/4	1,962.03	1/4	2,291.24	1/4	2,620.46	1/4	2,949.67	1/4	3,278.88
1/2	322.83	1/2	652.04	1/2	981.25	1/2	1,310.46	1/2	1,639.68	1/2	1,968.89	1/2	2,298.10	1/2	2,627.32	1/2	2,956.53	1/2	3,285.74
3/4	329.68	3/4	658.90	3/4	988.11	3/4	1,317.32	3/4	1,646.54	3/4	1,975.75	3/4	2,304.96	3/4	2,634.17	3/4	2,963.39	3/4	3,292.60

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 INNAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 4'-03" OFF CENTERLINE AND 105'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "DBL 18"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-00 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	3,299.46	0	3,628.67	0		0		0		0		0		0		0		0	
1/4	3,306.32	1/4	3,635.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,313.18	1/2	3,642.39	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,320.03	3/4	3,649.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,326.89	1	3,656.11	1		1		1		1		1		1		1		1	
1/4	3,333.75	1/4	3,662.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,340.61	1/2	3,669.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,347.47	3/4	3,676.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,354.33	2	3,683.54	2		2		2		2		2		2		2		2	
1/4	3,361.19	1/4	3,690.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,368.04	1/2	3,697.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,374.90	3/4	3,704.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,381.76	3	3,710.97	3		3		3		3		3		3		3		3	
1/4	3,388.62	1/4	3,717.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,395.48	1/2	3,724.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,402.34	3/4	3,731.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,409.20	4	3,738.41	4		4		4		4		4		4		4		4	
1/4	3,416.05	1/4	3,745.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,422.91	1/2	3,752.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,429.77	3/4	3,758.98	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,436.63	5	3,765.84	5		5		5		5		5		5		5		5	
1/4	3,443.49	1/4	3,770.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,450.35	1/2	3,775.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,457.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,464.06	6		6		6		6		6		6		6		6		6	
1/4	3,470.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,477.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,484.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,491.50	7		7		7		7		7		7		7		7		7	
1/4	3,498.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,505.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,512.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,518.93	8		8		8		8		8		8		8		8		8	
1/4	3,525.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,532.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,539.51	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,546.37	9		9		9		9		9		9		9		9		9	
1/4	3,553.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,560.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,566.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,573.80	10		10		10		10		10		10		10		10		10	
1/4	3,580.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,587.52	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,594.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,601.24	11		11		11		11		11		11		11		11		11	
1/4	3,608.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,614.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,621.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2011 CL - SW  
CALCULATED: 05/13/2011 CL  
PRINTED: 05/13/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2011

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "DBL 18"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 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	0.49	0	323.66	0	668.37	0	1,013.07	0	1,357.78	0	1,702.49	0	2,047.20	0	2,391.90	0	2,736.61	0	3,081.32
1/4	2.89	1/4	330.84	1/4	675.55	1/4	1,020.26	1/4	1,364.96	1/4	1,709.67	1/4	2,054.38	1/4	2,399.08	1/4	2,743.79	1/4	3,088.50
1/2	5.28	1/2	338.02	1/2	682.73	1/2	1,027.44	1/2	1,372.14	1/2	1,716.85	1/2	2,061.56	1/2	2,406.27	1/2	2,750.97	1/2	3,095.68
3/4	7.68	3/4	345.20	3/4	689.91	3/4	1,034.62	3/4	1,379.33	3/4	1,724.03	3/4	2,068.74	3/4	2,413.45	3/4	2,758.15	3/4	3,102.86
1	10.07	1	352.39	1	697.09	1	1,041.80	1	1,386.51	1	1,731.21	1	2,075.92	1	2,420.63	1	2,765.34	1	3,110.04
1/4	16.65	1/4	359.57	1/4	704.27	1/4	1,048.98	1/4	1,393.69	1/4	1,738.40	1/4	2,083.10	1/4	2,427.81	1/4	2,772.52	1/4	3,117.22
1/2	23.24	1/2	366.75	1/2	711.46	1/2	1,056.16	1/2	1,400.87	1/2	1,745.58	1/2	2,090.28	1/2	2,434.99	1/2	2,779.70	1/2	3,124.41
3/4	29.82	3/4	373.93	3/4	718.64	3/4	1,063.34	3/4	1,408.05	3/4	1,752.76	3/4	2,097.47	3/4	2,442.17	3/4	2,786.88	3/4	3,131.59
2	36.40	2	381.11	2	725.82	2	1,070.53	2	1,415.23	2	1,759.94	2	2,104.65	2	2,449.35	2	2,794.06	2	3,138.77
1/4	43.58	1/4	388.29	1/4	733.00	1/4	1,077.71	1/4	1,422.41	1/4	1,767.12	1/4	2,111.83	1/4	2,456.54	1/4	2,801.24	1/4	3,145.95
1/2	50.77	1/2	395.47	1/2	740.18	1/2	1,084.89	1/2	1,429.60	1/2	1,774.30	1/2	2,119.01	1/2	2,463.72	1/2	2,808.42	1/2	3,153.13
3/4	57.95	3/4	402.65	3/4	747.36	3/4	1,092.07	3/4	1,436.78	3/4	1,781.48	3/4	2,126.19	3/4	2,470.90	3/4	2,815.61	3/4	3,160.31
3	65.13	3	409.84	3	754.54	3	1,099.25	3	1,443.96	3	1,788.67	3	2,133.37	3	2,478.08	3	2,822.79	3	3,167.49
1/4	72.31	1/4	417.02	1/4	761.72	1/4	1,106.43	1/4	1,451.14	1/4	1,795.85	1/4	2,140.55	1/4	2,485.26	1/4	2,829.97	1/4	3,174.68
1/2	79.49	1/2	424.20	1/2	768.91	1/2	1,113.61	1/2	1,458.32	1/2	1,803.03	1/2	2,147.74	1/2	2,492.44	1/2	2,837.15	1/2	3,181.86
3/4	86.67	3/4	431.38	3/4	776.09	3/4	1,120.79	3/4	1,465.50	3/4	1,810.21	3/4	2,154.92	3/4	2,499.62	3/4	2,844.33	3/4	3,189.04
4	93.85	4	438.56	4	783.27	4	1,127.98	4	1,472.68	4	1,817.39	4	2,162.10	4	2,506.81	4	2,851.51	4	3,196.22
1/4	101.04	1/4	445.74	1/4	790.45	1/4	1,135.16	1/4	1,479.86	1/4	1,824.57	1/4	2,169.28	1/4	2,513.99	1/4	2,858.69	1/4	3,203.40
1/2	108.22	1/2	452.92	1/2	797.63	1/2	1,142.34	1/2	1,487.05	1/2	1,831.75	1/2	2,176.46	1/2	2,521.17	1/2	2,865.88	1/2	3,210.58
3/4	115.40	3/4	460.11	3/4	804.81	3/4	1,149.52	3/4	1,494.23	3/4	1,838.93	3/4	2,183.64	3/4	2,528.35	3/4	2,873.06	3/4	3,217.76
5	122.58	5	467.29	5	811.99	5	1,156.70	5	1,501.41	5	1,846.12	5	2,190.82	5	2,535.53	5	2,880.24	5	3,224.95
1/4	129.76	1/4	474.47	1/4	819.18	1/4	1,163.88	1/4	1,508.59	1/4	1,853.30	1/4	2,198.00	1/4	2,542.71	1/4	2,887.42	1/4	3,232.13
1/2	136.94	1/2	481.65	1/2	826.36	1/2	1,171.06	1/2	1,515.77	1/2	1,860.48	1/2	2,205.19	1/2	2,549.89	1/2	2,894.60	1/2	3,239.31
3/4	144.12	3/4	488.83	3/4	833.54	3/4	1,178.25	3/4	1,522.95	3/4	1,867.66	3/4	2,212.37	3/4	2,557.07	3/4	2,901.78	3/4	3,246.49
6	151.31	6	496.01	6	840.72	6	1,185.43	6	1,530.13	6	1,874.84	6	2,219.55	6	2,564.26	6	2,908.96	6	3,253.67
1/4	158.49	1/4	503.19	1/4	847.90	1/4	1,192.61	1/4	1,537.32	1/4	1,882.02	1/4	2,226.73	1/4	2,571.44	1/4	2,916.14	1/4	3,260.85
1/2	165.67	1/2	510.38	1/2	855.08	1/2	1,199.79	1/2	1,544.50	1/2	1,889.20	1/2	2,233.91	1/2	2,578.62	1/2	2,923.33	1/2	3,268.03
3/4	172.85	3/4	517.56	3/4	862.26	3/4	1,206.97	3/4	1,551.68	3/4	1,896.39	3/4	2,241.09	3/4	2,585.80	3/4	2,930.51	3/4	3,275.21
7	180.03	7	524.74	7	869.45	7	1,214.15	7	1,558.86	7	1,903.57	7	2,248.27	7	2,592.98	7	2,937.69	7	3,282.40
1/4	187.21	1/4	531.92	1/4	876.63	1/4	1,221.33	1/4	1,566.04	1/4	1,910.75	1/4	2,255.46	1/4	2,600.16	1/4	2,944.87	1/4	3,289.58
1/2	194.39	1/2	539.10	1/2	883.81	1/2	1,228.52	1/2	1,573.22	1/2	1,917.93	1/2	2,262.64	1/2	2,607.34	1/2	2,952.05	1/2	3,296.76
3/4	201.58	3/4	546.28	3/4	890.99	3/4	1,235.70	3/4	1,580.40	3/4	1,925.11	3/4	2,269.82	3/4	2,614.53	3/4	2,959.23	3/4	3,303.94
8	208.76	8	553.46	8	898.17	8	1,242.88	8	1,587.59	8	1,932.29	8	2,277.00	8	2,621.71	8	2,966.41	8	3,311.12
1/4	215.94	1/4	560.65	1/4	905.35	1/4	1,250.06	1/4	1,594.77	1/4	1,939.47	1/4	2,284.18	1/4	2,628.89	1/4	2,973.60	1/4	3,318.30
1/2	223.12	1/2	567.83	1/2	912.53	1/2	1,257.24	1/2	1,601.95	1/2	1,946.66	1/2	2,291.36	1/2	2,636.07	1/2	2,980.78	1/2	3,325.48
3/4	230.30	3/4	575.01	3/4	919.72	3/4	1,264.42	3/4	1,609.13	3/4	1,953.84	3/4	2,298.54	3/4	2,643.25	3/4	2,987.96	3/4	3,332.67
9	237.48	9	582.19	9	926.90	9	1,271.60	9	1,616.31	9	1,961.02	9	2,305.73	9	2,650.43	9	2,995.14	9	3,339.85
1/4	244.66	1/4	589.37	1/4	934.08	1/4	1,278.79	1/4	1,623.49	1/4	1,968.20	1/4	2,312.91	1/4	2,657.61	1/4	3,002.32	1/4	3,347.03
1/2	251.85	1/2	596.55	1/2	941.26	1/2	1,285.97	1/2	1,630.67	1/2	1,975.38	1/2	2,320.09	1/2	2,664.80	1/2	3,009.50	1/2	3,354.21
3/4	259.03	3/4	603.73	3/4	948.44	3/4	1,293.15	3/4	1,637.86	3/4	1,982.56	3/4	2,327.27	3/4	2,671.98	3/4	3,016.68	3/4	3,361.39
10	266.21	10	610.92	10	955.62	10	1,300.33	10	1,645.04	10	1,989.74	10	2,334.45	10	2,679.16	10	3,023.87	10	3,368.57
1/4	273.39	1/4	618.10	1/4	962.80	1/4	1,307.51	1/4	1,652.22	1/4	1,996.93	1/4	2,341.63	1/4	2,686.34	1/4	3,031.05	1/4	3,375.75
1/2	280.57	1/2	625.28	1/2	969.99	1/2	1,314.69	1/2	1,659.40	1/2	2,004.11	1/2	2,348.81	1/2	2,693.52	1/2	3,038.23	1/2	3,382.94
3/4	287.75	3/4	632.46	3/4	977.17	3/4	1,321.87	3/4	1,666.58	3/4	2,011.29	3/4	2,356.00	3/4	2,700.70	3/4	3,045.41	3/4	3,390.12
11	294.93	11	639.64	11	984.35	11	1,329.06	11	1,673.76	11	2,018.47	11	2,363.18	11	2,707.88	11	3,052.59	11	3,397.30
1/4	302.12	1/4	646.82	1/4	991.53	1/4	1,336.24	1/4	1,680.94	1/4	2,025.65	1/4	2,370.36	1/4	2,715.07	1/4	3,059.77	1/4	3,404.48
1/2	309.30	1/2	654.00	1/2	998.71	1/2	1,343.42	1/2	1,688.13	1/2	2,032.83	1/2	2,377.54	1/2	2,722.25	1/2	3,066.95	1/2	3,411.66
3/4	316.48	3/4	661.19	3/4	1,005.89	3/4	1,350.60	3/4	1,695.31	3/4	2,040.01	3/4	2,384.72	3/4	2,729.43	3/4	3,074.14	3/4	3,418.84

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 INNAGE GAUGES TAKEN AT 10" DIAMETER HATCH (TOP LIP OPPOSITE HINGE).

GAUGE POINT: (10" HATCH) LOCATED ON CENTERLINE AND 52'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "DBL 18"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 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	3,426.02	0	3,770.73	0	4,092.46	0		0		0		0		0		0		0	
1/4	3,433.21	1/4	3,777.91	1/4	4,093.18	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,440.39	1/2	3,785.09	1/2	4,093.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,447.57	3/4	3,792.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,454.75	1	3,799.46	1		1		1		1		1		1		1		1	
1/4	3,461.93	1/4	3,806.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,469.11	1/2	3,813.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,476.29	3/4	3,821.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,483.48	2	3,828.18	2		2		2		2		2		2		2		2	
1/4	3,490.66	1/4	3,835.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,497.84	1/2	3,842.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,505.02	3/4	3,849.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,512.20	3	3,856.91	3		3		3		3		3		3		3		3	
1/4	3,519.38	1/4	3,864.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,526.56	1/2	3,871.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,533.75	3/4	3,878.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,540.93	4	3,885.63	4		4		4		4		4		4		4		4	
1/4	3,548.11	1/4	3,892.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,555.29	1/2	3,900.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,562.47	3/4	3,907.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,569.65	5	3,914.36	5		5		5		5		5		5		5		5	
1/4	3,576.83	1/4	3,921.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,584.02	1/2	3,928.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,591.20	3/4	3,935.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,598.38	6	3,943.09	6		6		6		6		6		6		6		6	
1/4	3,605.56	1/4	3,950.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,612.74	1/2	3,957.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,619.92	3/4	3,964.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,627.10	7	3,971.81	7		7		7		7		7		7		7		7	
1/4	3,634.28	1/4	3,978.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,641.47	1/2	3,986.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,648.65	3/4	3,993.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,655.83	8	4,000.54	8		8		8		8		8		8		8		8	
1/4	3,663.01	1/4	4,007.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,670.19	1/2	4,014.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,677.37	3/4	4,022.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,684.55	9	4,029.26	9		9		9		9		9		9		9		9	
1/4	3,691.74	1/4	4,036.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,698.92	1/2	4,043.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,706.10	3/4	4,050.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,713.28	10	4,057.99	10		10		10		10		10		10		10		10	
1/4	3,720.46	1/4	4,063.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,727.64	1/2	4,069.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,734.82	3/4	4,075.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,742.01	11	4,080.97	11		11		11		11		11		11		11		11	
1/4	3,749.19	1/4	4,083.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,756.37	1/2	4,086.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,763.55	3/4	4,089.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 05/13/2011 CL - SW  
CALCULATED: 05/13/2011 CL  
PRINTED: 05/13/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2011

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