



# BARGE "CTCo 330"

## ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/8"  
 FOR A MEASURED INNGAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNGAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

July 1, 2014

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CTCo 330"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	5,083.24	0	4,748.84	0	4,409.83	0	4,050.06	0	3,684.48	0	3,318.58	0	2,952.43	0	2,586.10	0	2,219.76
1/4	1/4	1/4	5,076.82	1/4	4,742.01	1/4	4,402.52	1/4	4,042.45	1/4	3,676.86	1/4	3,310.95	1/4	2,944.80	1/4	2,578.46	1/4	2,212.13
1/2	1/2	1/2	5,070.40	1/2	4,735.17	1/2	4,395.21	1/2	4,034.83	1/2	3,669.25	1/2	3,303.33	1/2	2,937.17	1/2	2,570.83	1/2	2,204.50
3/4	3/4	3/4	5,063.98	3/4	4,728.34	3/4	4,387.90	3/4	4,027.21	3/4	3,661.63	3/4	3,295.70	3/4	2,929.54	3/4	2,563.20	3/4	2,196.86
1	1	1	5,057.57	1	4,721.50	1	4,380.58	1	4,019.60	1	3,654.01	1	3,288.07	1	2,921.90	1	2,555.57	1	2,189.23
1/4	1/4	1/4	5,050.20	1/4	4,714.61	1/4	4,373.23	1/4	4,011.98	1/4	3,646.40	1/4	3,280.44	1/4	2,914.27	1/4	2,547.94	1/4	2,181.60
1/2	1/2	1/2	5,042.83	1/2	4,707.71	1/2	4,365.88	1/2	4,004.36	1/2	3,638.78	1/2	3,272.81	1/2	2,906.64	1/2	2,540.30	1/2	2,173.97
3/4	3/4	3/4	5,035.46	3/4	4,700.81	3/4	4,358.53	3/4	3,996.75	3/4	3,631.17	3/4	3,265.19	3/4	2,899.01	3/4	2,532.67	3/4	2,166.34
2	2	2	5,028.09	2	4,693.91	2	4,351.18	2	3,989.13	2	3,623.55	2	3,257.56	2	2,891.38	2	2,525.04	2	2,158.70
1/4	1/4	1/4	5,020.53	1/4	4,686.97	1/4	4,343.79	1/4	3,981.52	1/4	3,615.93	1/4	3,249.93	1/4	2,883.74	1/4	2,517.41	1/4	2,151.07
1/2	1/2	1/2	5,012.97	1/2	4,680.02	1/2	4,336.41	1/2	3,973.90	1/2	3,608.32	1/2	3,242.30	1/2	2,876.11	1/2	2,509.78	1/2	2,143.44
3/4	3/4	3/4	5,005.41	3/4	4,673.08	3/4	4,329.02	3/4	3,966.28	3/4	3,600.70	3/4	3,234.67	3/4	2,868.48	3/4	2,502.14	3/4	2,135.81
3	3	3	4,997.85	3	4,666.14	3	4,321.64	3	3,958.67	3	3,593.08	3	3,227.05	3	2,860.85	3	2,494.51	3	2,128.18
1/4	1/4	1/4	4,990.29	1/4	4,659.16	1/4	4,314.22	1/4	3,951.05	1/4	3,585.47	1/4	3,219.42	1/4	2,853.22	1/4	2,486.88	1/4	2,120.54
1/2	1/2	1/2	4,982.73	1/2	4,652.18	1/2	4,306.80	1/2	3,943.43	1/2	3,577.85	1/2	3,211.79	1/2	2,845.58	1/2	2,479.25	1/2	2,112.91
3/4	3/4	3/4	4,975.17	3/4	4,645.19	3/4	4,299.38	3/4	3,935.82	3/4	3,570.24	3/4	3,204.16	3/4	2,837.95	3/4	2,471.62	3/4	2,105.28
4	4	4	4,967.61	4	4,638.21	4	4,291.96	4	3,928.20	4	3,562.62	4	3,196.53	4	2,830.32	4	2,463.98	4	2,097.65
1/4	1/4	1/4	4,960.05	1/4	4,631.19	1/4	4,284.51	1/4	3,920.58	1/4	3,555.00	1/4	3,188.91	1/4	2,822.69	1/4	2,456.35	1/4	2,090.02
1/2	1/2	1/2	4,952.50	1/2	4,624.17	1/2	4,277.06	1/2	3,912.97	1/2	3,547.39	1/2	3,181.28	1/2	2,815.06	1/2	2,448.72	1/2	2,082.38
3/4	3/4	3/4	4,944.94	3/4	4,617.16	3/4	4,269.61	3/4	3,905.35	3/4	3,539.77	3/4	3,173.65	3/4	2,807.42	3/4	2,441.09	3/4	2,074.75
5	5	5	4,937.38	5	4,610.14	5	4,262.16	5	3,897.74	5	3,532.15	5	3,166.02	5	2,799.79	5	2,433.46	5	2,067.12
1/4	1/4	1/4	4,930.53	1/4	4,603.09	1/4	4,254.66	1/4	3,890.12	1/4	3,524.53	1/4	3,158.40	1/4	2,792.16	1/4	2,425.82	1/4	2,059.49
1/2	1/2	1/2	4,923.69	1/2	4,596.03	1/2	4,247.17	1/2	3,882.50	1/2	3,516.90	1/2	3,150.77	1/2	2,784.53	1/2	2,418.19	1/2	2,051.86
3/4	3/4	3/4	4,916.85	3/4	4,588.98	3/4	4,239.68	3/4	3,874.89	3/4	3,509.28	3/4	3,143.14	3/4	2,776.90	3/4	2,410.56	3/4	2,044.22
6	6	6	4,910.01	6	4,581.93	6	4,232.19	6	3,867.27	6	3,501.65	6	3,135.51	6	2,769.26	6	2,402.93	6	2,036.59
1/4	1/4	1/4	4,903.38	1/4	4,574.85	1/4	4,224.66	1/4	3,859.65	1/4	3,494.02	1/4	3,127.88	1/4	2,761.63	1/4	2,395.30	1/4	2,029.50
1/2	1/2	1/2	4,896.75	1/2	4,567.76	1/2	4,217.13	1/2	3,852.04	1/2	3,486.39	1/2	3,120.26	1/2	2,754.00	1/2	2,387.66	1/2	2,022.41
3/4	3/4	3/4	4,890.12	3/4	4,560.67	3/4	4,209.60	3/4	3,844.42	3/4	3,478.77	3/4	3,112.63	3/4	2,746.37	3/4	2,380.03	3/4	2,015.32
7	7	7	4,883.49	7	4,553.59	7	4,202.07	7	3,836.81	7	3,471.14	7	3,105.00	7	2,738.74	7	2,372.40	7	2,008.23
1/4	1/4	1/4	4,876.83	1/4	4,546.47	1/4	4,194.51	1/4	3,829.19	1/4	3,463.51	1/4	3,097.37	1/4	2,731.10	1/4	2,364.77	1/4	2,001.32
1/2	1/2	1/2	4,870.17	1/2	4,539.35	1/2	4,186.95	1/2	3,821.57	1/2	3,455.88	1/2	3,089.74	1/2	2,723.47	1/2	2,357.14	1/2	1,994.41
3/4	3/4	3/4	4,863.51	3/4	4,532.23	3/4	4,179.39	3/4	3,813.96	3/4	3,448.26	3/4	3,082.12	3/4	2,715.84	3/4	2,349.50	3/4	1,987.49
8	8	8	4,856.86	8	4,525.11	8	4,171.83	8	3,806.34	8	3,440.63	8	3,074.49	8	2,708.21	8	2,341.87	8	1,980.58
1/4	1/4	1/4	4,850.16	1/4	4,517.96	1/4	4,164.23	1/4	3,798.72	1/4	3,433.00	1/4	3,066.86	1/4	2,700.58	1/4	2,334.24	1/4	1,973.16
1/2	1/2	1/2	4,843.46	1/2	4,510.81	1/2	4,156.64	1/2	3,791.11	1/2	3,425.37	1/2	3,059.23	1/2	2,692.94	1/2	2,326.61	1/2	1,965.73
3/4	3/4	3/4	4,836.76	3/4	4,503.65	3/4	4,149.04	3/4	3,783.49	3/4	3,417.74	3/4	3,051.60	3/4	2,685.31	3/4	2,318.98	3/4	1,958.31
9	9	9	4,830.06	9	4,496.50	9	4,141.45	9	3,775.88	9	3,410.12	9	3,043.98	9	2,677.68	9	2,311.34	9	1,950.88
1/4	1/4	1/4	4,823.33	1/4	4,489.32	1/4	4,133.83	1/4	3,768.26	1/4	3,402.49	1/4	3,036.35	1/4	2,670.05	1/4	2,303.71	1/4	1,943.28
1/2	1/2	1/2	4,816.59	1/2	4,482.13	1/2	4,126.22	1/2	3,760.64	1/2	3,394.86	1/2	3,028.72	1/2	2,662.42	1/2	2,296.08	1/2	1,935.68
3/4	3/4	3/4	4,809.86	3/4	4,474.94	3/4	4,118.61	3/4	3,753.03	3/4	3,387.23	3/4	3,021.09	3/4	2,654.78	3/4	2,288.45	3/4	1,928.09
10	10	10	4,803.12	10	4,467.76	10	4,110.99	10	3,745.41	10	3,379.60	10	3,013.47	10	2,647.15	10	2,280.82	10	1,920.49
1/4	1/4	1/4	4,796.36	1/4	4,460.54	1/4	4,103.38	1/4	3,737.79	1/4	3,371.98	1/4	3,005.84	1/4	2,639.52	1/4	2,273.18	1/4	1,912.89
1/2	1/2	1/2	4,789.59	1/2	4,453.32	1/2	4,095.76	1/2	3,730.18	1/2	3,364.35	1/2	2,998.21	1/2	2,631.89	1/2	2,265.55	1/2	1,905.29
3/4	3/4	3/4	4,782.82	3/4	4,446.09	3/4	4,088.14	3/4	3,722.56	3/4	3,356.72	3/4	2,990.58	3/4	2,624.26	3/4	2,257.92	3/4	1,897.69
11	11	11	4,776.05	11	4,438.87	11	4,080.53	11	3,714.94	11	3,349.09	11	2,982.95	11	2,616.62	11	2,250.29	11	1,890.10
1/4	1/4	1/4	4,769.25	1/4	4,431.61	1/4	4,072.91	1/4	3,707.33	1/4	3,341.46	1/4	2,975.32	1/4	2,608.99	1/4	2,242.66	1/4	1,882.47
1/2	1/2	1/2	4,762.45	1/2	4,424.35	1/2	4,065.29	1/2	3,699.71	1/2	3,333.84	1/2	2,967.69	1/2	2,601.36	1/2	2,235.02	1/2	1,874.85
3/4	3/4	3/4	4,755.65	3/4	4,417.09	3/4	4,057.68	3/4	3,692.10	3/4	3,326.21	3/4	2,960.06	3/4	2,593.73	3/4	2,227.39	3/4	1,867.22

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-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 "CTCo 330"

## 1 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 15'-03"

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	1,859.60	0	1,493.19	0	1,126.88	0	762.60	0	400.61	0	80.11	0		0		0		0	
1/4	1,851.96	1/4	1,485.56	1/4	1,119.27	1/4	754.97	1/4	393.45	1/4	74.03	1/4		1/4		1/4		1/4	
1/2	1,844.33	1/2	1,477.93	1/2	1,111.67	1/2	747.33	1/2	386.29	1/2	67.96	1/2		1/2		1/2		1/2	
3/4	1,836.70	3/4	1,470.29	3/4	1,104.07	3/4	739.70	3/4	379.14	3/4	61.88	3/4		3/4		3/4		3/4	
1	1,829.06	1	1,462.66	1	1,096.46	1	732.07	1	371.98	1	55.81	1		1		1		1	
1/4	1,821.43	1/4	1,455.03	1/4	1,088.87	1/4	724.44	1/4	364.91	1/4	50.51	1/4		1/4		1/4		1/4	
1/2	1,813.80	1/2	1,447.39	1/2	1,081.28	1/2	716.80	1/2	357.84	1/2	45.22	1/2		1/2		1/2		1/2	
3/4	1,806.16	3/4	1,439.76	3/4	1,073.68	3/4	709.17	3/4	350.77	3/4	39.93	3/4		3/4		3/4		3/4	
2	1,798.53	2	1,432.13	2	1,066.09	2	701.54	2	343.70	2	34.63	2		2		2		2	
1/4	1,790.90	1/4	1,424.49	1/4	1,058.50	1/4	693.90	1/4	336.72	1/4	30.75	1/4		1/4		1/4		1/4	
1/2	1,783.26	1/2	1,416.86	1/2	1,050.91	1/2	686.27	1/2	329.73	1/2	26.87	1/2		1/2		1/2		1/2	
3/4	1,775.63	3/4	1,409.23	3/4	1,043.32	3/4	678.64	3/4	322.75	3/4	22.98	3/4		3/4		3/4		3/4	
3	1,768.00	3	1,401.59	3	1,035.73	3	671.00	3	315.77	3	19.11	3		3		3		3	
1/4	1,760.36	1/4	1,393.96	1/4	1,028.15	1/4	663.37	1/4	308.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,752.73	1/2	1,386.33	1/2	1,020.56	1/2	655.74	1/2	301.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,745.09	3/4	1,378.69	3/4	1,012.98	3/4	648.10	3/4	295.08	3/4		3/4		3/4		3/4		3/4	
4	1,737.46	4	1,371.06	4	1,005.39	4	640.47	4	288.18	4		4		4		4		4	
1/4	1,729.83	1/4	1,363.42	1/4	997.81	1/4	632.84	1/4	281.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,722.19	1/2	1,355.79	1/2	990.23	1/2	625.20	1/2	274.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,714.56	3/4	1,348.16	3/4	982.65	3/4	617.57	3/4	267.75	3/4		3/4		3/4		3/4		3/4	
5	1,706.93	5	1,340.52	5	975.06	5	609.94	5	260.94	5		5		5		5		5	
1/4	1,699.29	1/4	1,332.89	1/4	967.48	1/4	602.30	1/4	254.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,691.66	1/2	1,325.26	1/2	959.90	1/2	594.67	1/2	247.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,684.03	3/4	1,317.62	3/4	952.32	3/4	587.04	3/4	240.77	3/4		3/4		3/4		3/4		3/4	
6	1,676.39	6	1,309.99	6	944.73	6	579.40	6	234.05	6		6		6		6		6	
1/4	1,668.76	1/4	1,302.36	1/4	937.15	1/4	571.78	1/4	227.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,661.13	1/2	1,294.72	1/2	929.57	1/2	564.15	1/2	220.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,653.49	3/4	1,287.09	3/4	921.99	3/4	556.53	3/4	214.14	3/4		3/4		3/4		3/4		3/4	
7	1,645.86	7	1,279.46	7	914.40	7	548.90	7	207.50	7		7		7		7		7	
1/4	1,638.23	1/4	1,271.82	1/4	906.82	1/4	541.32	1/4	200.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,630.59	1/2	1,264.19	1/2	899.24	1/2	533.74	1/2	194.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,622.96	3/4	1,256.56	3/4	891.66	3/4	526.16	3/4	187.85	3/4		3/4		3/4		3/4		3/4	
8	1,615.33	8	1,248.92	8	884.07	8	518.58	8	181.30	8		8		8		8		8	
1/4	1,607.69	1/4	1,241.29	1/4	876.49	1/4	511.07	1/4	174.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,600.06	1/2	1,233.66	1/2	868.91	1/2	503.57	1/2	168.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,592.43	3/4	1,226.02	3/4	861.33	3/4	496.07	3/4	161.91	3/4		3/4		3/4		3/4		3/4	
9	1,584.79	9	1,218.39	9	853.74	9	488.56	9	155.44	9		9		9		9		9	
1/4	1,577.16	1/4	1,210.76	1/4	846.16	1/4	481.15	1/4	149.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,569.53	1/2	1,203.12	1/2	838.58	1/2	473.73	1/2	142.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,561.89	3/4	1,195.49	3/4	831.00	3/4	466.31	3/4	136.33	3/4		3/4		3/4		3/4		3/4	
10	1,554.26	10	1,187.86	10	823.41	10	458.90	10	129.96	10		10		10		10		10	
1/4	1,546.63	1/4	1,180.22	1/4	815.83	1/4	451.57	1/4	123.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,538.99	1/2	1,172.59	1/2	808.25	1/2	444.24	1/2	117.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,531.36	3/4	1,164.96	3/4	800.67	3/4	436.91	3/4	111.12	3/4		3/4		3/4		3/4		3/4	
11	1,523.73	11	1,157.32	11	793.08	11	429.58	11	104.84	11		11		11		11		11	
1/4	1,516.09	1/4	1,149.71	1/4	785.46	1/4	422.34	1/4	98.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,508.46	1/2	1,142.10	1/2	777.84	1/2	415.09	1/2	92.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,500.83	3/4	1,134.49	3/4	770.22	3/4	407.85	3/4	86.29	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2014 CL  
CALCULATED: 07/01/2014 CL  
PRINTED: 07/02/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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



# BARGE "CTCo 330"

## 1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/4"

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	IN	0
1/4		1/4	5,079.59	1/4	4,745.21	1/4	4,406.20	1/4	4,046.44	1/4	3,680.86	1/4	3,315.28	1/4	2,949.69	1/4	2,583.92	1/4	2,218.16		
1/2		1/2	5,073.17	1/2	4,738.38	1/2	4,398.89	1/2	4,038.82	1/2	3,673.25	1/2	3,307.67	1/2	2,942.07	1/2	2,576.30	1/2	2,210.54		
3/4		3/4	5,066.76	3/4	4,731.54	3/4	4,391.58	3/4	4,031.21	3/4	3,665.63	3/4	3,300.05	3/4	2,934.45	3/4	2,568.68	3/4	2,202.91		
1	1	1	5,060.34	1	4,724.71	1	4,384.27	1	4,023.59	1	3,658.01	1	3,292.44	1	2,926.83	1	2,561.06	1	2,195.29		
1/4		1/4	5,053.93	1/4	4,717.87	1/4	4,376.95	1/4	4,015.97	1/4	3,650.40	1/4	3,284.82	1/4	2,919.21	1/4	2,553.44	1/4	2,187.67		
1/2		1/2	5,046.56	1/2	4,710.97	1/2	4,369.60	1/2	4,008.36	1/2	3,642.78	1/2	3,277.20	1/2	2,911.59	1/2	2,545.82	1/2	2,180.05		
3/4		3/4	5,039.19	3/4	4,704.07	3/4	4,362.25	3/4	4,000.74	3/4	3,635.16	3/4	3,269.59	3/4	2,903.97	3/4	2,538.20	3/4	2,172.43		
2	2	2	5,031.82	2	4,697.17	2	4,354.90	2	3,993.13	2	3,627.55	2	3,261.97	2	2,896.35	2	2,530.58	2	2,164.81		
1/4		1/4	5,024.45	1/4	4,690.28	1/4	4,347.55	1/4	3,985.51	1/4	3,619.93	1/4	3,254.35	1/4	2,888.73	1/4	2,522.96	1/4	2,157.19		
1/2		1/2	5,016.89	1/2	4,683.33	1/2	4,340.16	1/2	3,977.89	1/2	3,612.32	1/2	3,246.74	1/2	2,881.11	1/2	2,515.34	1/2	2,149.57		
3/4		3/4	5,009.33	3/4	4,676.39	3/4	4,332.78	3/4	3,970.28	3/4	3,604.70	3/4	3,239.12	3/4	2,873.49	3/4	2,507.72	3/4	2,141.95		
3	3	3	5,001.77	3	4,669.45	3	4,325.39	3	3,962.66	3	3,597.08	3	3,231.51	3	2,865.87	3	2,500.10	3	2,134.33		
1/4		1/4	4,994.21	1/4	4,662.51	1/4	4,318.01	1/4	3,955.04	1/4	3,589.47	1/4	3,223.89	1/4	2,858.25	1/4	2,492.48	1/4	2,126.71		
1/2		1/2	4,986.65	1/2	4,655.52	1/2	4,310.59	1/2	3,947.43	1/2	3,581.85	1/2	3,216.27	1/2	2,850.63	1/2	2,484.86	1/2	2,119.09		
3/4		3/4	4,979.10	3/4	4,648.54	3/4	4,303.17	3/4	3,939.81	3/4	3,574.23	3/4	3,208.66	3/4	2,843.01	3/4	2,477.24	3/4	2,111.47		
4	4	4	4,971.54	4	4,641.56	4	4,295.75	4	3,932.20	4	3,566.62	4	3,201.04	4	2,835.39	4	2,469.62	4	2,103.85		
1/4		1/4	4,963.98	1/4	4,634.58	1/4	4,288.34	1/4	3,924.58	1/4	3,559.00	1/4	3,193.42	1/4	2,827.77	1/4	2,462.00	1/4	2,096.23		
1/2		1/2	4,956.42	1/2	4,627.56	1/2	4,280.88	1/2	3,916.96	1/2	3,551.39	1/2	3,185.81	1/2	2,820.15	1/2	2,454.38	1/2	2,088.61		
3/4		3/4	4,948.86	3/4	4,620.54	3/4	4,273.43	3/4	3,909.35	3/4	3,543.77	3/4	3,178.19	3/4	2,812.53	3/4	2,446.76	3/4	2,080.99		
5	5	5	4,941.30	5	4,613.52	5	4,265.98	5	3,901.73	5	3,536.15	5	3,170.58	5	2,804.91	5	2,439.14	5	2,073.37		
1/4		1/4	4,933.74	1/4	4,606.50	1/4	4,258.53	1/4	3,894.12	1/4	3,528.54	1/4	3,162.96	1/4	2,797.29	1/4	2,431.52	1/4	2,065.75		
1/2		1/2	4,926.90	1/2	4,599.45	1/2	4,251.03	1/2	3,886.50	1/2	3,520.92	1/2	3,155.34	1/2	2,789.67	1/2	2,423.90	1/2	2,058.13		
3/4		3/4	4,920.06	3/4	4,592.40	3/4	4,243.54	3/4	3,878.88	3/4	3,513.31	3/4	3,147.73	3/4	2,782.05	3/4	2,416.28	3/4	2,050.51		
6	6	6	4,913.22	6	4,585.35	6	4,236.05	6	3,871.27	6	3,505.69	6	3,140.11	6	2,774.43	6	2,408.66	6	2,042.89		
1/4		1/4	4,906.37	1/4	4,578.30	1/4	4,228.56	1/4	3,863.65	1/4	3,498.07	1/4	3,132.50	1/4	2,766.81	1/4	2,401.04	1/4	2,035.27		
1/2		1/2	4,899.74	1/2	4,571.21	1/2	4,221.03	1/2	3,856.03	1/2	3,490.46	1/2	3,124.88	1/2	2,759.19	1/2	2,393.42	1/2	2,028.19		
3/4		3/4	4,893.12	3/4	4,564.13	3/4	4,213.50	3/4	3,848.42	3/4	3,482.84	3/4	3,117.26	3/4	2,751.57	3/4	2,385.80	3/4	2,021.11		
7	7	7	4,886.49	7	4,557.04	7	4,205.97	7	3,840.80	7	3,475.22	7	3,109.65	7	2,743.95	7	2,378.18	7	2,014.03		
1/4		1/4	4,879.86	1/4	4,549.96	1/4	4,198.45	1/4	3,833.19	1/4	3,467.61	1/4	3,102.03	1/4	2,736.33	1/4	2,370.56	1/4	2,006.95		
1/2		1/2	4,873.20	1/2	4,542.84	1/2	4,190.88	1/2	3,825.57	1/2	3,459.99	1/2	3,094.41	1/2	2,728.71	1/2	2,362.94	1/2	2,000.05		
3/4		3/4	4,866.54	3/4	4,535.72	3/4	4,183.32	3/4	3,817.95	3/4	3,452.38	3/4	3,086.80	3/4	2,721.09	3/4	2,355.32	3/4	1,993.15		
8	8	8	4,859.88	8	4,528.60	8	4,175.76	8	3,810.34	8	3,444.76	8	3,079.18	8	2,713.47	8	2,347.70	8	1,986.25		
1/4		1/4	4,853.22	1/4	4,521.48	1/4	4,168.20	1/4	3,802.72	1/4	3,437.14	1/4	3,071.57	1/4	2,705.85	1/4	2,340.08	1/4	1,979.35		
1/2		1/2	4,846.52	1/2	4,514.33	1/2	4,160.60	1/2	3,795.10	1/2	3,429.53	1/2	3,063.95	1/2	2,698.23	1/2	2,332.46	1/2	1,971.94		
3/4		3/4	4,839.82	3/4	4,507.17	3/4	4,153.01	3/4	3,787.49	3/4	3,421.91	3/4	3,056.33	3/4	2,690.61	3/4	2,324.84	3/4	1,964.53		
9	9	9	4,833.12	9	4,500.02	9	4,145.41	9	3,779.87	9	3,414.29	9	3,048.72	9	2,682.99	9	2,317.22	9	1,957.11		
1/4		1/4	4,826.43	1/4	4,492.87	1/4	4,137.82	1/4	3,772.26	1/4	3,406.68	1/4	3,041.10	1/4	2,675.37	1/4	2,309.60	1/4	1,949.70		
1/2		1/2	4,819.69	1/2	4,485.68	1/2	4,130.21	1/2	3,764.64	1/2	3,399.06	1/2	3,033.48	1/2	2,667.75	1/2	2,301.98	1/2	1,942.11		
3/4		3/4	4,812.96	3/4	4,478.50	3/4	4,122.59	3/4	3,757.02	3/4	3,391.45	3/4	3,025.87	3/4	2,660.13	3/4	2,294.36	3/4	1,934.52		
10	10	10	4,806.22	10	4,471.31	10	4,114.98	10	3,749.41	10	3,383.83	10	3,018.25	10	2,652.51	10	2,286.74	10	1,926.94		
1/4		1/4	4,799.49	1/4	4,464.12	1/4	4,107.37	1/4	3,741.79	1/4	3,376.21	1/4	3,010.64	1/4	2,644.89	1/4	2,279.12	1/4	1,919.35		
1/2		1/2	4,792.72	1/2	4,456.90	1/2	4,099.75	1/2	3,734.18	1/2	3,368.60	1/2	3,003.02	1/2	2,637.27	1/2	2,271.50	1/2	1,911.77		
3/4		3/4	4,785.95	3/4	4,449.68	3/4	4,092.14	3/4	3,726.56	3/4	3,360.98	3/4	2,995.40	3/4	2,629.65	3/4	2,263.88	3/4	1,904.18		
11	11	11	4,779.19	11	4,442.46	11	4,084.52	11	3,718.94	11	3,353.37	11	2,987.79	11	2,622.03	11	2,256.26	11	1,896.59		
1/4		1/4	4,772.42	1/4	4,435.24	1/4	4,076.90	1/4	3,711.33	1/4	3,345.75	1/4	2,980.17	1/4	2,614.41	1/4	2,248.64	1/4	1,889.01		
1/2		1/2	4,765.62	1/2	4,427.98	1/2	4,069.29	1/2	3,703.71	1/2	3,338.13	1/2	2,972.55	1/2	2,606.79	1/2	2,241.02	1/2	1,881.40		
3/4		3/4	4,758.81	3/4	4,420.72	3/4	4,061.67	3/4	3,696.09	3/4	3,330.52	3/4	2,964.93	3/4	2,599.17	3/4	2,233.40	3/4	1,873.78		

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 TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "CTCo 330"

## 1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	1,866.17	0	1,500.34	0	1,134.50	0	769.15	0	407.39	0	86.30	0		0		0		0	
1/4	1,858.56	1/4	1,492.72	1/4	1,126.88	1/4	761.54	1/4	400.16	1/4	80.11	1/4		1/4		1/4		1/4	
1/2	1,850.94	1/2	1,485.10	1/2	1,119.26	1/2	753.91	1/2	393.02	1/2	74.04	1/2		1/2		1/2		1/2	
3/4	1,843.32	3/4	1,477.48	3/4	1,111.64	3/4	746.29	3/4	385.87	3/4	67.96	3/4		3/4		3/4		3/4	
1	1,835.70	1	1,469.85	1	1,104.01	1	738.67	1	378.73	1	61.89	1		1		1		1	
1/4	1,828.07	1/4	1,462.23	1/4	1,096.39	1/4	731.05	1/4	371.58	1/4	55.81	1/4		1/4		1/4		1/4	
1/2	1,820.45	1/2	1,454.61	1/2	1,088.77	1/2	723.43	1/2	364.52	1/2	50.52	1/2		1/2		1/2		1/2	
3/4	1,812.83	3/4	1,446.99	3/4	1,081.16	3/4	715.81	3/4	357.47	3/4	45.23	3/4		3/4		3/4		3/4	
2	1,805.21	2	1,439.37	2	1,073.54	2	708.19	2	350.41	2	39.93	2		2		2		2	
1/4	1,797.59	1/4	1,431.75	1/4	1,065.92	1/4	700.56	1/4	343.35	1/4	34.64	1/4		1/4		1/4		1/4	
1/2	1,789.97	1/2	1,424.12	1/2	1,058.31	1/2	692.94	1/2	336.38	1/2	30.76	1/2		1/2		1/2		1/2	
3/4	1,782.34	3/4	1,416.50	3/4	1,050.69	3/4	685.32	3/4	329.41	3/4	26.87	3/4		3/4		3/4		3/4	
3	1,774.72	3	1,408.88	3	1,043.08	3	677.70	3	322.43	3	22.99	3		3		3		3	
1/4	1,767.10	1/4	1,401.26	1/4	1,035.46	1/4	670.08	1/4	315.46	1/4	19.11	1/4		1/4		1/4		1/4	
1/2	1,759.48	1/2	1,393.64	1/2	1,027.85	1/2	662.46	1/2	308.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,751.86	3/4	1,386.02	3/4	1,020.25	3/4	654.84	3/4	301.69	3/4		3/4		3/4		3/4		3/4	
4	1,744.24	4	1,378.39	4	1,012.64	4	647.21	4	294.81	4		4		4		4		4	
1/4	1,736.61	1/4	1,370.77	1/4	1,005.03	1/4	639.59	1/4	287.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,728.99	1/2	1,363.15	1/2	997.42	1/2	631.97	1/2	281.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,721.37	3/4	1,355.53	3/4	989.81	3/4	624.35	3/4	274.32	3/4		3/4		3/4		3/4		3/4	
5	1,713.75	5	1,347.91	5	982.20	5	616.73	5	267.53	5		5		5		5		5	
1/4	1,706.13	1/4	1,340.29	1/4	974.60	1/4	609.11	1/4	260.73	1/4		1/4		1/4		1/4		1/4	
1/2	1,698.51	1/2	1,332.66	1/2	966.99	1/2	601.49	1/2	254.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,690.88	3/4	1,325.04	3/4	959.38	3/4	593.86	3/4	247.30	3/4		3/4		3/4		3/4		3/4	
6	1,683.26	6	1,317.42	6	951.77	6	586.24	6	240.59	6		6		6		6		6	
1/4	1,675.64	1/4	1,309.80	1/4	944.16	1/4	578.62	1/4	233.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,668.02	1/2	1,302.18	1/2	936.56	1/2	571.01	1/2	227.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,660.40	3/4	1,294.56	3/4	928.95	3/4	563.41	3/4	220.63	3/4		3/4		3/4		3/4		3/4	
7	1,652.78	7	1,286.93	7	921.34	7	555.80	7	214.00	7		7		7		7		7	
1/4	1,645.15	1/4	1,279.31	1/4	913.73	1/4	548.19	1/4	207.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,637.53	1/2	1,271.69	1/2	906.13	1/2	540.63	1/2	200.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,629.91	3/4	1,264.07	3/4	898.52	3/4	533.07	3/4	194.30	3/4		3/4		3/4		3/4		3/4	
8	1,622.29	8	1,256.45	8	890.91	8	525.50	8	187.76	8		8		8		8		8	
1/4	1,614.67	1/4	1,248.83	1/4	883.30	1/4	517.94	1/4	181.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,607.05	1/2	1,241.20	1/2	875.69	1/2	510.45	1/2	174.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,599.42	3/4	1,233.58	3/4	868.09	3/4	502.96	3/4	168.32	3/4		3/4		3/4		3/4		3/4	
9	1,591.80	9	1,225.96	9	860.48	9	495.47	9	161.87	9		9		9		9		9	
1/4	1,584.18	1/4	1,218.34	1/4	852.87	1/4	487.98	1/4	155.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,576.56	1/2	1,210.72	1/2	845.26	1/2	480.58	1/2	149.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,568.94	3/4	1,203.10	3/4	837.65	3/4	473.17	3/4	142.69	3/4		3/4		3/4		3/4		3/4	
10	1,561.32	10	1,195.47	10	830.05	10	465.77	10	136.32	10		10		10		10		10	
1/4	1,553.69	1/4	1,187.85	1/4	822.44	1/4	458.36	1/4	129.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,546.07	1/2	1,180.23	1/2	814.83	1/2	451.04	1/2	123.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,538.45	3/4	1,172.61	3/4	807.22	3/4	443.73	3/4	117.40	3/4		3/4		3/4		3/4		3/4	
11	1,530.83	11	1,164.99	11	799.62	11	436.41	11	111.12	11		11		11		11		11	
1/4	1,523.21	1/4	1,157.37	1/4	792.01	1/4	429.09	1/4	104.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,515.59	1/2	1,149.74	1/2	784.39	1/2	421.86	1/2	98.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,507.96	3/4	1,142.12	3/4	776.77	3/4	414.63	3/4	92.48	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2014 CL  
CALCULATED: 07/01/2014 CL  
PRINTED: 07/02/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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



# BARGE "CTCo 330"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 3/4"

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	IN	0
1/4		1/4		1/4	4,530.89	1/4	4,212.73	1/4	3,874.75	1/4	3,530.63	1/4	3,186.52	1/4	2,842.39	1/4	2,498.08	1/4	2,153.77		
1/2		1/2		1/2	4,524.49	1/2	4,205.90	1/2	3,867.58	1/2	3,523.46	1/2	3,179.35	1/2	2,835.22	1/2	2,490.91	1/2	2,146.59		
3/4		3/4	4,832.67	3/4	4,518.09	3/4	4,199.07	3/4	3,860.41	3/4	3,516.29	3/4	3,172.18	3/4	2,828.05	3/4	2,483.74	3/4	2,139.42		
1	1	1	4,826.63	1	4,511.66	1	4,192.18	1	3,853.24	1	3,509.13	1	3,165.01	1	2,820.88	1	2,476.56	1	2,132.25		
1/4		1/4	4,820.60	1/4	4,505.23	1/4	4,185.30	1/4	3,846.07	1/4	3,501.96	1/4	3,157.84	1/4	2,813.70	1/4	2,469.39	1/4	2,125.08		
1/2		1/2	4,814.56	1/2	4,498.80	1/2	4,178.42	1/2	3,838.90	1/2	3,494.79	1/2	3,150.67	1/2	2,806.53	1/2	2,462.22	1/2	2,117.90		
3/4		3/4	4,808.52	3/4	4,492.37	3/4	4,171.54	3/4	3,831.74	3/4	3,487.62	3/4	3,143.50	3/4	2,799.36	3/4	2,455.04	3/4	2,110.73		
2	2	2	4,801.59	2	4,485.88	2	4,164.62	2	3,824.57	2	3,480.45	2	3,136.33	2	2,792.18	2	2,447.87	2	2,103.56		
1/4		1/4	4,794.65	1/4	4,479.39	1/4	4,157.70	1/4	3,817.40	1/4	3,473.28	1/4	3,129.16	1/4	2,785.01	1/4	2,440.70	1/4	2,096.38		
1/2		1/2	4,787.72	1/2	4,472.90	1/2	4,150.78	1/2	3,810.23	1/2	3,466.11	1/2	3,121.99	1/2	2,777.84	1/2	2,433.52	1/2	2,089.21		
3/4		3/4	4,780.79	3/4	4,466.41	3/4	4,143.86	3/4	3,803.06	3/4	3,458.94	3/4	3,114.83	3/4	2,770.66	3/4	2,426.35	3/4	2,082.04		
3	3	3	4,773.67	3	4,459.87	3	4,136.91	3	3,795.89	3	3,451.77	3	3,107.66	3	2,763.49	3	2,419.18	3	2,074.86		
1/4		1/4	4,766.56	1/4	4,453.34	1/4	4,129.96	1/4	3,788.72	1/4	3,444.60	1/4	3,100.49	1/4	2,756.32	1/4	2,412.00	1/4	2,067.69		
1/2		1/2	4,759.45	1/2	4,446.81	1/2	4,123.00	1/2	3,781.55	1/2	3,437.43	1/2	3,093.32	1/2	2,749.14	1/2	2,404.83	1/2	2,060.52		
3/4		3/4	4,752.34	3/4	4,440.27	3/4	4,116.05	3/4	3,774.38	3/4	3,430.27	3/4	3,086.15	3/4	2,741.97	3/4	2,397.66	3/4	2,053.34		
4	4	4	4,745.23	4	4,433.70	4	4,109.07	4	3,767.21	4	3,423.10	4	3,078.98	4	2,734.80	4	2,390.48	4	2,046.17		
1/4		1/4	4,738.12	1/4	4,427.13	1/4	4,102.09	1/4	3,760.04	1/4	3,415.93	1/4	3,071.81	1/4	2,727.62	1/4	2,383.31	1/4	2,039.00		
1/2		1/2	4,731.00	1/2	4,420.56	1/2	4,095.10	1/2	3,752.88	1/2	3,408.76	1/2	3,064.64	1/2	2,720.45	1/2	2,376.14	1/2	2,031.82		
3/4		3/4	4,723.89	3/4	4,413.99	3/4	4,088.12	3/4	3,745.71	3/4	3,401.59	3/4	3,057.47	3/4	2,713.28	3/4	2,368.96	3/4	2,024.65		
5	5	5	4,716.78	5	4,407.38	5	4,081.11	5	3,738.54	5	3,394.42	5	3,050.30	5	2,706.10	5	2,361.79	5	2,017.48		
1/4		1/4	4,709.67	1/4	4,400.78	1/4	4,074.09	1/4	3,731.37	1/4	3,387.25	1/4	3,043.13	1/4	2,698.93	1/4	2,354.62	1/4	2,010.30		
1/2		1/2	4,702.56	1/2	4,394.18	1/2	4,067.08	1/2	3,724.20	1/2	3,380.08	1/2	3,035.97	1/2	2,691.76	1/2	2,347.44	1/2	2,003.13		
3/4		3/4	4,695.44	3/4	4,387.57	3/4	4,060.06	3/4	3,717.03	3/4	3,372.91	3/4	3,028.80	3/4	2,684.58	3/4	2,340.27	3/4	1,995.96		
6	6	6	4,689.01	6	4,380.93	6	4,053.01	6	3,709.86	6	3,365.74	6	3,021.63	6	2,677.41	6	2,333.10	6	1,988.78		
1/4		1/4	4,682.57	1/4	4,374.30	1/4	4,045.96	1/4	3,702.69	1/4	3,358.57	1/4	3,014.46	1/4	2,670.24	1/4	2,325.92	1/4	1,981.61		
1/2		1/2	4,676.13	1/2	4,367.66	1/2	4,038.91	1/2	3,695.52	1/2	3,351.41	1/2	3,007.29	1/2	2,663.07	1/2	2,318.75	1/2	1,974.44		
3/4		3/4	4,669.70	3/4	4,361.03	3/4	4,031.85	3/4	3,688.35	3/4	3,344.24	3/4	3,000.12	3/4	2,655.89	3/4	2,311.58	3/4	1,967.26		
7	7	7	4,663.46	7	4,354.36	7	4,024.77	7	3,681.18	7	3,337.07	7	2,992.95	7	2,648.72	7	2,304.41	7	1,960.60		
1/4		1/4	4,657.23	1/4	4,347.69	1/4	4,017.68	1/4	3,674.02	1/4	3,329.90	1/4	2,985.78	1/4	2,641.55	1/4	2,297.23	1/4	1,953.94		
1/2		1/2	4,650.99	1/2	4,341.02	1/2	4,010.59	1/2	3,666.85	1/2	3,322.73	1/2	2,978.61	1/2	2,634.37	1/2	2,290.06	1/2	1,947.27		
3/4		3/4	4,644.75	3/4	4,334.35	3/4	4,003.51	3/4	3,659.68	3/4	3,315.56	3/4	2,971.44	3/4	2,627.20	3/4	2,282.89	3/4	1,940.61		
8	8	8	4,638.49	8	4,327.65	8	3,996.39	8	3,652.51	8	3,308.39	8	2,964.27	8	2,620.03	8	2,275.71	8	1,934.11		
1/4		1/4	4,632.22	1/4	4,320.95	1/4	3,989.27	1/4	3,645.34	1/4	3,301.22	1/4	2,957.10	1/4	2,612.85	1/4	2,268.54	1/4	1,927.62		
1/2		1/2	4,625.96	1/2	4,314.25	1/2	3,982.16	1/2	3,638.17	1/2	3,294.05	1/2	2,949.94	1/2	2,605.68	1/2	2,261.37	1/2	1,921.13		
3/4		3/4	4,619.70	3/4	4,307.56	3/4	3,975.04	3/4	3,631.00	3/4	3,286.88	3/4	2,942.77	3/4	2,598.51	3/4	2,254.19	3/4	1,914.63		
9	9	9	4,613.39	9	4,300.82	9	3,967.89	9	3,623.83	9	3,279.71	9	2,935.60	9	2,591.33	9	2,247.02	9	1,907.65		
1/4		1/4	4,607.09	1/4	4,294.09	1/4	3,960.74	1/4	3,616.66	1/4	3,272.55	1/4	2,928.43	1/4	2,584.16	1/4	2,239.85	1/4	1,900.68		
1/2		1/2	4,600.79	1/2	4,287.36	1/2	3,953.59	1/2	3,609.49	1/2	3,265.38	1/2	2,921.26	1/2	2,576.99	1/2	2,232.67	1/2	1,893.70		
3/4		3/4	4,594.49	3/4	4,280.63	3/4	3,946.44	3/4	3,602.32	3/4	3,258.21	3/4	2,914.09	3/4	2,569.81	3/4	2,225.50	3/4	1,886.72		
10	10	10	4,588.16	10	4,273.87	10	3,939.27	10	3,595.15	10	3,251.04	10	2,906.92	10	2,562.64	10	2,218.33	10	1,879.58		
1/4		1/4	4,581.82	1/4	4,267.10	1/4	3,932.10	1/4	3,587.99	1/4	3,243.87	1/4	2,899.75	1/4	2,555.47	1/4	2,211.15	1/4	1,872.44		
1/2		1/2	4,575.49	1/2	4,260.34	1/2	3,924.93	1/2	3,580.82	1/2	3,236.70	1/2	2,892.58	1/2	2,548.29	1/2	2,203.98	1/2	1,865.30		
3/4		3/4	4,569.15	3/4	4,253.58	3/4	3,917.76	3/4	3,573.65	3/4	3,229.53	3/4	2,885.41	3/4	2,541.12	3/4	2,196.81	3/4	1,858.16		
11	11	11	4,562.78	11	4,246.78	11	3,910.60	11	3,566.48	11	3,222.36	11	2,878.24	11	2,533.95	11	2,189.63	11	1,851.02		
1/4		1/4	4,556.42	1/4	4,239.99	1/4	3,903.43	1/4	3,559.31	1/4	3,215.19	1/4	2,871.08	1/4	2,526.77	1/4	2,182.46	1/4	1,843.89		
1/2		1/2	4,550.05	1/2	4,233.19	1/2	3,896.26	1/2	3,552.14	1/2	3,208.02	1/2	2,863.91	1/2	2,519.60	1/2	2,175.29	1/2	1,836.75		
3/4		3/4	4,543.68	3/4	4,226.40	3/4	3,889.09	3/4	3,544.97	3/4	3,200.85	3/4	2,856.74	3/4	2,512.43	3/4	2,168.11	3/4	1,829.61		

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "CTCo 330"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,822.44	0	1,478.09	0	1,133.91	0	803.49	0	459.34	0	114.98	0		0		0		0	
1/4	1,815.28	1/4	1,470.91	1/4	1,126.95	1/4	796.39	1/4	452.17	1/4	107.81	1/4		1/4		1/4		1/4	
1/2	1,808.11	1/2	1,463.74	1/2	1,119.99	1/2	789.29	1/2	445.00	1/2	100.65	1/2		1/2		1/2		1/2	
3/4	1,800.95	3/4	1,456.56	3/4	1,113.03	3/4	782.20	3/4	437.82	3/4	93.48	3/4		3/4		3/4		3/4	
1	1,793.77	1	1,449.39	1	1,106.14	1	775.02	1	430.65	1	86.34	1		1		1		1	
1/4	1,786.60	1/4	1,442.21	1/4	1,099.25	1/4	767.85	1/4	423.47	1/4	79.19	1/4		1/4		1/4		1/4	
1/2	1,779.43	1/2	1,435.04	1/2	1,092.35	1/2	760.67	1/2	416.30	1/2	72.04	1/2		1/2		1/2		1/2	
3/4	1,772.25	3/4	1,427.86	3/4	1,085.46	3/4	753.50	3/4	409.12	3/4	64.90	3/4		3/4		3/4		3/4	
2	1,765.08	2	1,420.69	2	1,078.58	2	746.32	2	401.95	2	58.41	2		2		2		2	
1/4	1,757.90	1/4	1,413.52	1/4	1,071.70	1/4	739.15	1/4	394.77	1/4	51.91	1/4		1/4		1/4		1/4	
1/2	1,750.73	1/2	1,406.34	1/2	1,064.82	1/2	731.98	1/2	387.60	1/2	45.42	1/2		1/2		1/2		1/2	
3/4	1,743.55	3/4	1,399.17	3/4	1,057.94	3/4	724.80	3/4	380.43	3/4	38.93	3/4		3/4		3/4		3/4	
3	1,736.38	3	1,391.99	3	1,051.06	3	717.63	3	373.25	3	34.00	3		3		3		3	
1/4	1,729.20	1/4	1,384.82	1/4	1,044.18	1/4	710.45	1/4	366.08	1/4	29.07	1/4		1/4		1/4		1/4	
1/2	1,722.03	1/2	1,377.64	1/2	1,037.31	1/2	703.28	1/2	358.90	1/2	24.13	1/2		1/2		1/2		1/2	
3/4	1,714.85	3/4	1,370.47	3/4	1,030.43	3/4	696.10	3/4	351.73	3/4	19.20	3/4		3/4		3/4		3/4	
4	1,707.68	4	1,363.29	4	1,023.56	4	688.93	4	344.55	4		4		4		4		4	
1/4	1,700.50	1/4	1,356.12	1/4	1,016.69	1/4	681.75	1/4	337.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,693.33	1/2	1,348.94	1/2	1,009.82	1/2	674.58	1/2	330.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,686.15	3/4	1,341.77	3/4	1,002.94	3/4	667.41	3/4	323.03	3/4		3/4		3/4		3/4		3/4	
5	1,678.98	5	1,334.59	5	996.07	5	660.23	5	315.85	5		5		5		5		5	
1/4	1,671.80	1/4	1,327.42	1/4	989.20	1/4	653.06	1/4	308.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,664.63	1/2	1,320.24	1/2	982.33	1/2	645.88	1/2	301.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,657.46	3/4	1,313.07	3/4	975.46	3/4	638.71	3/4	294.33	3/4		3/4		3/4		3/4		3/4	
6	1,650.28	6	1,305.89	6	968.59	6	631.53	6	287.16	6		6		6		6		6	
1/4	1,643.11	1/4	1,298.72	1/4	961.72	1/4	624.36	1/4	279.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,635.93	1/2	1,291.55	1/2	954.85	1/2	617.18	1/2	272.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,628.76	3/4	1,284.37	3/4	947.98	3/4	610.01	3/4	265.63	3/4		3/4		3/4		3/4		3/4	
7	1,621.58	7	1,277.20	7	941.11	7	602.83	7	258.46	7		7		7		7		7	
1/4	1,614.41	1/4	1,270.02	1/4	934.24	1/4	595.66	1/4	251.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,607.23	1/2	1,262.85	1/2	927.37	1/2	588.49	1/2	244.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,600.06	3/4	1,255.67	3/4	920.50	3/4	581.31	3/4	236.94	3/4		3/4		3/4		3/4		3/4	
8	1,592.88	8	1,248.50	8	913.63	8	574.14	8	229.76	8		8		8		8		8	
1/4	1,585.71	1/4	1,241.32	1/4	906.76	1/4	566.96	1/4	222.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,578.53	1/2	1,234.15	1/2	899.89	1/2	559.79	1/2	215.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,571.36	3/4	1,226.97	3/4	893.02	3/4	552.61	3/4	208.24	3/4		3/4		3/4		3/4		3/4	
9	1,564.18	9	1,219.80	9	886.15	9	545.44	9	201.06	9		9		9		9		9	
1/4	1,557.01	1/4	1,212.62	1/4	879.28	1/4	538.26	1/4	193.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,549.83	1/2	1,205.45	1/2	872.41	1/2	531.09	1/2	186.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,542.66	3/4	1,198.27	3/4	865.54	3/4	523.92	3/4	179.54	3/4		3/4		3/4		3/4		3/4	
10	1,535.49	10	1,191.10	10	858.67	10	516.74	10	172.36	10		10		10		10		10	
1/4	1,528.31	1/4	1,183.92	1/4	851.80	1/4	509.57	1/4	165.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,521.14	1/2	1,176.75	1/2	844.93	1/2	502.39	1/2	158.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,513.96	3/4	1,169.58	3/4	838.06	3/4	495.22	3/4	150.84	3/4		3/4		3/4		3/4		3/4	
11	1,506.79	11	1,162.40	11	831.19	11	488.04	11	143.67	11		11		11		11		11	
1/4	1,499.61	1/4	1,155.23	1/4	824.32	1/4	480.87	1/4	136.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,492.44	1/2	1,148.05	1/2	817.45	1/2	473.69	1/2	129.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,485.26	3/4	1,140.88	3/4	810.58	3/4	466.52	3/4	122.15	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2014 CL  
CALCULATED: 07/01/2014 CL  
PRINTED: 07/02/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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



# BARGE "CTCo 330"

## 2 STBD

### ULLAGE TABLE

### HERMETIC

### GAUGE HEIGHT 15'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. 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	4,556.51	0	4,239.28	0	3,902.06	0	3,558.02	0	3,213.99	0	2,869.95	0	2,525.73	0	2,181.50
1/4		1/4		1/4	4,550.11	1/4	4,232.44	1/4	3,894.89	1/4	3,550.86	1/4	3,206.82	1/4	2,862.78	1/4	2,518.56	1/4	2,174.33
1/2		1/2		1/2	4,543.71	1/2	4,225.61	1/2	3,887.72	1/2	3,543.69	1/2	3,199.65	1/2	2,855.61	1/2	2,511.39	1/2	2,167.16
3/4		3/4		3/4	4,537.32	3/4	4,218.78	3/4	3,880.56	3/4	3,536.52	3/4	3,192.49	3/4	2,848.44	3/4	2,504.22	3/4	2,159.99
1		1	4,845.43	1	4,530.92	1	4,211.95	1	3,873.39	1	3,529.35	1	3,185.32	1	2,841.27	1	2,497.04	1	2,152.82
1/4		1/4	4,839.40	1/4	4,524.49	1/4	4,205.07	1/4	3,866.22	1/4	3,522.19	1/4	3,178.15	1/4	2,834.10	1/4	2,489.87	1/4	2,145.65
1/2		1/2	4,833.36	1/2	4,518.06	1/2	4,198.19	1/2	3,859.05	1/2	3,515.02	1/2	3,170.98	1/2	2,826.93	1/2	2,482.70	1/2	2,138.47
3/4		3/4	4,827.33	3/4	4,511.63	3/4	4,191.31	3/4	3,851.89	3/4	3,507.85	3/4	3,163.82	3/4	2,819.76	3/4	2,475.53	3/4	2,131.30
2		2	4,821.29	2	4,505.20	2	4,184.43	2	3,844.72	2	3,500.68	2	3,156.65	2	2,812.59	2	2,468.36	2	2,124.13
1/4		1/4	4,814.36	1/4	4,498.71	1/4	4,177.51	1/4	3,837.55	1/4	3,493.52	1/4	3,149.48	1/4	2,805.41	1/4	2,461.19	1/4	2,116.96
1/2		1/2	4,807.43	1/2	4,492.22	1/2	4,170.59	1/2	3,830.38	1/2	3,486.35	1/2	3,142.31	1/2	2,798.24	1/2	2,454.02	1/2	2,109.79
3/4		3/4	4,800.50	3/4	4,485.73	3/4	4,163.67	3/4	3,823.22	3/4	3,479.18	3/4	3,135.15	3/4	2,791.07	3/4	2,446.84	3/4	2,102.62
3		3	4,793.57	3	4,479.24	3	4,156.75	3	3,816.05	3	3,472.01	3	3,127.98	3	2,783.90	3	2,439.67	3	2,095.45
1/4		1/4	4,786.46	1/4	4,472.71	1/4	4,149.80	1/4	3,808.88	1/4	3,464.85	1/4	3,120.81	1/4	2,776.73	1/4	2,432.50	1/4	2,088.27
1/2		1/2	4,779.35	1/2	4,466.18	1/2	4,142.86	1/2	3,801.71	1/2	3,457.68	1/2	3,113.64	1/2	2,769.56	1/2	2,425.33	1/2	2,081.10
3/4		3/4	4,772.24	3/4	4,459.64	3/4	4,135.91	3/4	3,794.55	3/4	3,450.51	3/4	3,106.48	3/4	2,762.39	3/4	2,418.16	3/4	2,073.93
4		4	4,765.13	4	4,453.11	4	4,128.96	4	3,787.38	4	3,443.34	4	3,099.31	4	2,755.21	4	2,410.99	4	2,066.76
1/4		1/4	4,758.02	1/4	4,446.54	1/4	4,121.97	1/4	3,780.21	1/4	3,436.18	1/4	3,092.14	1/4	2,748.04	1/4	2,403.82	1/4	2,059.59
1/2		1/2	4,750.91	1/2	4,439.97	1/2	4,114.99	1/2	3,773.05	1/2	3,429.01	1/2	3,084.97	1/2	2,740.87	1/2	2,396.64	1/2	2,052.42
3/4		3/4	4,743.80	3/4	4,433.40	3/4	4,108.01	3/4	3,765.88	3/4	3,421.84	3/4	3,077.81	3/4	2,733.70	3/4	2,389.47	3/4	2,045.25
5		5	4,736.69	5	4,426.83	5	4,101.03	5	3,758.71	5	3,414.68	5	3,070.64	5	2,726.53	5	2,382.30	5	2,038.07
1/4		1/4	4,729.58	1/4	4,420.23	1/4	4,094.02	1/4	3,751.54	1/4	3,407.51	1/4	3,063.47	1/4	2,719.36	1/4	2,375.13	1/4	2,030.90
1/2		1/2	4,722.47	1/2	4,413.63	1/2	4,087.00	1/2	3,744.38	1/2	3,400.34	1/2	3,056.31	1/2	2,712.19	1/2	2,367.96	1/2	2,023.73
3/4		3/4	4,715.36	3/4	4,407.02	3/4	4,079.99	3/4	3,737.21	3/4	3,393.17	3/4	3,049.14	3/4	2,705.01	3/4	2,360.79	3/4	2,016.56
6		6	4,708.25	6	4,400.42	6	4,072.98	6	3,730.04	6	3,386.01	6	3,041.97	6	2,697.84	6	2,353.62	6	2,009.39
1/4		1/4	4,701.81	1/4	4,393.78	1/4	4,065.93	1/4	3,722.87	1/4	3,378.84	1/4	3,034.80	1/4	2,690.67	1/4	2,346.44	1/4	2,002.22
1/2		1/2	4,695.38	1/2	4,387.15	1/2	4,058.88	1/2	3,715.71	1/2	3,371.67	1/2	3,027.64	1/2	2,683.50	1/2	2,339.27	1/2	1,995.05
3/4		3/4	4,688.94	3/4	4,380.51	3/4	4,051.83	3/4	3,708.54	3/4	3,364.50	3/4	3,020.47	3/4	2,676.33	3/4	2,332.10	3/4	1,987.87
7		7	4,682.50	7	4,373.88	7	4,044.78	7	3,701.37	7	3,357.34	7	3,013.30	7	2,669.16	7	2,324.93	7	1,980.70
1/4		1/4	4,676.27	1/4	4,367.21	1/4	4,037.69	1/4	3,694.20	1/4	3,350.17	1/4	3,006.13	1/4	2,661.99	1/4	2,317.76	1/4	1,974.04
1/2		1/2	4,670.03	1/2	4,360.54	1/2	4,030.61	1/2	3,687.04	1/2	3,343.00	1/2	2,998.97	1/2	2,654.81	1/2	2,310.59	1/2	1,967.38
3/4		3/4	4,663.80	3/4	4,353.88	3/4	4,023.52	3/4	3,679.87	3/4	3,335.83	3/4	2,991.80	3/4	2,647.64	3/4	2,303.42	3/4	1,960.71
8		8	4,657.56	8	4,347.21	8	4,016.44	8	3,672.70	8	3,328.67	8	2,984.63	8	2,640.47	8	2,296.24	8	1,954.05
1/4		1/4	4,651.30	1/4	4,340.51	1/4	4,009.32	1/4	3,665.53	1/4	3,321.50	1/4	2,977.46	1/4	2,633.30	1/4	2,289.07	1/4	1,947.56
1/2		1/2	4,645.04	1/2	4,333.81	1/2	4,002.20	1/2	3,658.37	1/2	3,314.33	1/2	2,970.30	1/2	2,626.13	1/2	2,281.90	1/2	1,941.07
3/4		3/4	4,638.77	3/4	4,327.12	3/4	3,995.09	3/4	3,651.20	3/4	3,307.16	3/4	2,963.13	3/4	2,618.96	3/4	2,274.73	3/4	1,934.57
9		9	4,632.51	9	4,320.42	9	3,987.97	9	3,644.03	9	3,300.00	9	2,955.96	9	2,611.79	9	2,267.56	9	1,928.08
1/4		1/4	4,626.21	1/4	4,313.69	1/4	3,980.83	1/4	3,636.86	1/4	3,292.83	1/4	2,948.79	1/4	2,604.62	1/4	2,260.39	1/4	1,921.10
1/2		1/2	4,619.91	1/2	4,306.96	1/2	3,973.68	1/2	3,629.70	1/2	3,285.66	1/2	2,941.63	1/2	2,597.44	1/2	2,253.22	1/2	1,914.13
3/4		3/4	4,613.61	3/4	4,300.23	3/4	3,966.53	3/4	3,622.53	3/4	3,278.49	3/4	2,934.46	3/4	2,590.27	3/4	2,246.05	3/4	1,907.15
10		10	4,607.31	10	4,293.50	10	3,959.38	10	3,615.36	10	3,271.33	10	2,927.29	10	2,583.10	10	2,238.87	10	1,900.17
1/4		1/4	4,600.97	1/4	4,286.74	1/4	3,952.22	1/4	3,608.20	1/4	3,264.16	1/4	2,920.12	1/4	2,575.93	1/4	2,231.70	1/4	1,893.04
1/2		1/2	4,594.64	1/2	4,279.97	1/2	3,945.05	1/2	3,601.03	1/2	3,256.99	1/2	2,912.96	1/2	2,568.76	1/2	2,224.53	1/2	1,885.90
3/4		3/4	4,588.30	3/4	4,273.21	3/4	3,937.89	3/4	3,593.86	3/4	3,249.83	3/4	2,905.79	3/4	2,561.59	3/4	2,217.36	3/4	1,878.76
11		11	4,581.97	11	4,266.45	11	3,930.73	11	3,586.69	11	3,242.66	11	2,898.62	11	2,554.42	11	2,210.19	11	1,871.62
1/4		1/4	4,575.61	1/4	4,259.66	1/4	3,923.56	1/4	3,579.53	1/4	3,235.49	1/4	2,891.46	1/4	2,547.24	1/4	2,203.02	1/4	1,864.49
1/2		1/2	4,569.24	1/2	4,252.86	1/2	3,916.39	1/2	3,572.36	1/2	3,228.32	1/2	2,884.29	1/2	2,540.07	1/2	2,195.85	1/2	1,857.35
3/4		3/4	4,562.87	3/4	4,246.07	3/4	3,909.23	3/4	3,565.19	3/4	3,221.16	3/4	2,877.12	3/4	2,532.90	3/4	2,188.67	3/4	1,850.21

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 TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "CTCo 330"

**2 STBD**  
**ULLAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 15'-04"**

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	1,843.08	0	1,498.81	0	1,154.52	0	810.67	0	466.39	0	122.11	0		0		0		0	
1/4	1,835.91	1/4	1,491.64	1/4	1,147.34	1/4	803.50	1/4	459.22	1/4	114.95	1/4		1/4		1/4		1/4	
1/2	1,828.74	1/2	1,484.47	1/2	1,140.17	1/2	796.33	1/2	452.05	1/2	107.78	1/2		1/2		1/2		1/2	
3/4	1,821.58	3/4	1,477.29	3/4	1,133.00	3/4	789.16	3/4	444.87	3/4	100.62	3/4		3/4		3/4		3/4	
1	1,814.41	1	1,470.12	1	1,125.83	1	781.99	1	437.70	1	93.45	1		1		1		1	
1/4	1,807.24	1/4	1,462.95	1/4	1,118.65	1/4	774.81	1/4	430.53	1/4	86.31	1/4		1/4		1/4		1/4	
1/2	1,800.07	1/2	1,455.77	1/2	1,111.48	1/2	767.64	1/2	423.36	1/2	79.16	1/2		1/2		1/2		1/2	
3/4	1,792.90	3/4	1,448.60	3/4	1,104.31	3/4	760.47	3/4	416.18	3/4	72.02	3/4		3/4		3/4		3/4	
2	1,785.72	2	1,441.43	2	1,097.13	2	753.30	2	409.01	2	64.88	2		2		2		2	
1/4	1,778.55	1/4	1,434.26	1/4	1,089.97	1/4	746.12	1/4	401.84	1/4	58.39	1/4		1/4		1/4		1/4	
1/2	1,771.38	1/2	1,427.08	1/2	1,082.80	1/2	738.95	1/2	394.67	1/2	51.90	1/2		1/2		1/2		1/2	
3/4	1,764.20	3/4	1,419.91	3/4	1,075.63	3/4	731.78	3/4	387.49	3/4	45.41	3/4		3/4		3/4		3/4	
3	1,757.03	3	1,412.74	3	1,068.46	3	724.61	3	380.32	3	38.92	3		3		3		3	
1/4	1,749.86	1/4	1,405.56	1/4	1,061.29	1/4	717.43	1/4	373.15	1/4	33.98	1/4		1/4		1/4		1/4	
1/2	1,742.69	1/2	1,398.39	1/2	1,054.13	1/2	710.26	1/2	365.98	1/2	29.05	1/2		1/2		1/2		1/2	
3/4	1,735.51	3/4	1,391.22	3/4	1,046.96	3/4	703.09	3/4	358.80	3/4	24.12	3/4		3/4		3/4		3/4	
4	1,728.34	4	1,384.05	4	1,039.79	4	695.92	4	351.63	4	19.19	4		4		4		4	
1/4	1,721.17	1/4	1,376.87	1/4	1,032.63	1/4	688.74	1/4	344.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,714.00	1/2	1,369.70	1/2	1,025.47	1/2	681.57	1/2	337.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,706.82	3/4	1,362.53	3/4	1,018.31	3/4	674.40	3/4	330.11	3/4		3/4		3/4		3/4		3/4	
5	1,699.65	5	1,355.36	5	1,011.14	5	667.23	5	322.94	5		5		5		5		5	
1/4	1,692.48	1/4	1,348.18	1/4	1,003.98	1/4	660.05	1/4	315.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,685.30	1/2	1,341.01	1/2	996.82	1/2	652.88	1/2	308.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,678.13	3/4	1,333.84	3/4	989.66	3/4	645.71	3/4	301.42	3/4		3/4		3/4		3/4		3/4	
6	1,670.96	6	1,326.66	6	982.50	6	638.53	6	294.25	6		6		6		6		6	
1/4	1,663.79	1/4	1,319.49	1/4	975.34	1/4	631.36	1/4	287.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,656.61	1/2	1,312.32	1/2	968.18	1/2	624.19	1/2	279.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,649.44	3/4	1,305.15	3/4	961.02	3/4	617.02	3/4	272.73	3/4		3/4		3/4		3/4		3/4	
7	1,642.27	7	1,297.97	7	953.86	7	609.84	7	265.56	7		7		7		7		7	
1/4	1,635.09	1/4	1,290.80	1/4	946.70	1/4	602.67	1/4	258.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,627.92	1/2	1,283.63	1/2	939.54	1/2	595.50	1/2	251.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,620.75	3/4	1,276.45	3/4	932.39	3/4	588.33	3/4	244.04	3/4		3/4		3/4		3/4		3/4	
8	1,613.58	8	1,269.28	8	925.23	8	581.15	8	236.87	8		8		8		8		8	
1/4	1,606.40	1/4	1,262.11	1/4	918.07	1/4	573.98	1/4	229.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,599.23	1/2	1,254.94	1/2	910.91	1/2	566.81	1/2	222.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,592.06	3/4	1,247.76	3/4	903.75	3/4	559.64	3/4	215.35	3/4		3/4		3/4		3/4		3/4	
9	1,584.88	9	1,240.59	9	896.59	9	552.46	9	208.18	9		9		9		9		9	
1/4	1,577.71	1/4	1,233.42	1/4	889.43	1/4	545.29	1/4	201.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,570.54	1/2	1,226.24	1/2	882.27	1/2	538.12	1/2	193.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,563.37	3/4	1,219.07	3/4	875.11	3/4	530.95	3/4	186.66	3/4		3/4		3/4		3/4		3/4	
10	1,556.19	10	1,211.90	10	867.95	10	523.77	10	179.49	10		10		10		10		10	
1/4	1,549.02	1/4	1,204.73	1/4	860.79	1/4	516.60	1/4	172.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,541.85	1/2	1,197.55	1/2	853.63	1/2	509.43	1/2	165.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,534.68	3/4	1,190.38	3/4	846.47	3/4	502.26	3/4	157.97	3/4		3/4		3/4		3/4		3/4	
11	1,527.50	11	1,183.21	11	839.31	11	495.08	11	150.80	11		11		11		11		11	
1/4	1,520.33	1/4	1,176.04	1/4	832.15	1/4	487.91	1/4	143.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,513.16	1/2	1,168.86	1/2	824.99	1/2	480.74	1/2	136.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,505.98	3/4	1,161.69	3/4	817.83	3/4	473.56	3/4	129.28	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2014 CL  
 CALCULATED: 07/01/2014 CL  
 PRINTED: 07/02/2014 SW

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 07/2014

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





# BARGE "CTCo 330"

## 3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 15'-03"

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	1,905.27	0	1,541.89	0	1,179.14	0	825.92	0	462.34	0	98.81	0		0		0		0	
1/4	1,897.70	1/4	1,534.32	1/4	1,171.78	1/4	818.34	1/4	454.77	1/4	91.26	1/4		1/4		1/4		1/4	
1/2	1,890.13	1/2	1,526.75	1/2	1,164.42	1/2	810.77	1/2	447.20	1/2	83.70	1/2		1/2		1/2		1/2	
3/4	1,882.56	3/4	1,519.18	3/4	1,157.06	3/4	803.19	3/4	439.62	3/4	76.15	3/4		3/4		3/4		3/4	
1	1,874.99	1	1,511.61	1	1,149.70	1	795.62	1	432.05	1	68.60	1		1		1		1	
1/4	1,867.42	1/4	1,504.04	1/4	1,142.35	1/4	788.04	1/4	424.48	1/4	61.73	1/4		1/4		1/4		1/4	
1/2	1,859.85	1/2	1,496.47	1/2	1,135.00	1/2	780.47	1/2	416.90	1/2	54.87	1/2		1/2		1/2		1/2	
3/4	1,852.28	3/4	1,488.90	3/4	1,127.64	3/4	772.89	3/4	409.33	3/4	48.00	3/4		3/4		3/4		3/4	
2	1,844.71	2	1,481.33	2	1,120.29	2	765.32	2	401.76	2	41.14	2		2		2		2	
1/4	1,837.14	1/4	1,473.76	1/4	1,112.94	1/4	757.75	1/4	394.18	1/4	35.92	1/4		1/4		1/4		1/4	
1/2	1,829.56	1/2	1,466.19	1/2	1,105.60	1/2	750.17	1/2	386.61	1/2	30.71	1/2		1/2		1/2		1/2	
3/4	1,821.99	3/4	1,458.62	3/4	1,098.25	3/4	742.60	3/4	379.04	3/4	25.49	3/4		3/4		3/4		3/4	
3	1,814.42	3	1,451.04	3	1,090.90	3	735.02	3	371.47	3	20.28	3		3		3		3	
1/4	1,806.85	1/4	1,443.47	1/4	1,083.56	1/4	727.45	1/4	363.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,799.28	1/2	1,435.90	1/2	1,076.21	1/2	719.87	1/2	356.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,791.71	3/4	1,428.33	3/4	1,068.87	3/4	712.30	3/4	348.75	3/4		3/4		3/4		3/4		3/4	
4	1,784.14	4	1,420.76	4	1,061.53	4	704.72	4	341.17	4		4		4		4		4	
1/4	1,776.57	1/4	1,413.19	1/4	1,054.19	1/4	697.15	1/4	333.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,769.00	1/2	1,405.62	1/2	1,046.85	1/2	689.58	1/2	326.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,761.43	3/4	1,398.05	3/4	1,039.51	3/4	682.00	3/4	318.45	3/4		3/4		3/4		3/4		3/4	
5	1,753.86	5	1,390.48	5	1,032.16	5	674.43	5	310.88	5		5		5		5		5	
1/4	1,746.29	1/4	1,382.91	1/4	1,024.82	1/4	666.85	1/4	303.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,738.72	1/2	1,375.34	1/2	1,017.48	1/2	659.28	1/2	295.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,731.15	3/4	1,367.77	3/4	1,010.14	3/4	651.70	3/4	288.16	3/4		3/4		3/4		3/4		3/4	
6	1,723.58	6	1,360.20	6	1,002.80	6	644.13	6	280.59	6		6		6		6		6	
1/4	1,716.01	1/4	1,352.63	1/4	995.46	1/4	636.55	1/4	273.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,708.44	1/2	1,345.06	1/2	988.12	1/2	628.98	1/2	265.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,700.87	3/4	1,337.49	3/4	980.78	3/4	621.40	3/4	257.87	3/4		3/4		3/4		3/4		3/4	
7	1,693.30	7	1,329.92	7	973.44	7	613.83	7	250.30	7		7		7		7		7	
1/4	1,685.73	1/4	1,322.35	1/4	966.10	1/4	606.26	1/4	242.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,678.16	1/2	1,314.78	1/2	958.75	1/2	598.68	1/2	235.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,670.59	3/4	1,307.21	3/4	951.41	3/4	591.11	3/4	227.57	3/4		3/4		3/4		3/4		3/4	
8	1,663.02	8	1,299.64	8	944.07	8	583.53	8	220.00	8		8		8		8		8	
1/4	1,655.45	1/4	1,292.07	1/4	936.73	1/4	575.96	1/4	212.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,647.88	1/2	1,284.50	1/2	929.39	1/2	568.38	1/2	204.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,640.30	3/4	1,276.93	3/4	922.05	3/4	560.81	3/4	197.28	3/4		3/4		3/4		3/4		3/4	
9	1,632.73	9	1,269.36	9	914.71	9	553.23	9	189.70	9		9		9		9		9	
1/4	1,625.16	1/4	1,261.78	1/4	907.37	1/4	545.66	1/4	182.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,617.59	1/2	1,254.21	1/2	900.03	1/2	538.09	1/2	174.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,610.02	3/4	1,246.64	3/4	892.69	3/4	530.51	3/4	166.98	3/4		3/4		3/4		3/4		3/4	
10	1,602.45	10	1,239.07	10	885.34	10	522.94	10	159.40	10		10		10		10		10	
1/4	1,594.88	1/4	1,231.50	1/4	878.00	1/4	515.36	1/4	151.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,587.31	1/2	1,223.93	1/2	870.66	1/2	507.79	1/2	144.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,579.74	3/4	1,216.36	3/4	863.32	3/4	500.21	3/4	136.68	3/4		3/4		3/4		3/4		3/4	
11	1,572.17	11	1,208.79	11	855.98	11	492.64	11	129.10	11		11		11		11		11	
1/4	1,564.60	1/4	1,201.38	1/4	848.46	1/4	485.06	1/4	121.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,557.03	1/2	1,193.97	1/2	840.95	1/2	477.49	1/2	113.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,549.46	3/4	1,186.55	3/4	833.43	3/4	469.92	3/4	106.39	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2014 CL  
CALCULATED: 07/01/2014 CL  
PRINTED: 07/02/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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





# BARGE "CTCo 330"

## 3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	1,927.00	0	1,562.77	0	1,198.54	0	834.85	0	470.63	0	106.43	0		0		0		0	
1/4	1,919.42	1/4	1,555.18	1/4	1,190.95	1/4	827.27	1/4	463.04	1/4	98.85	1/4		1/4		1/4		1/4	
1/2	1,911.83	1/2	1,547.59	1/2	1,183.36	1/2	819.68	1/2	455.45	1/2	91.29	1/2		1/2		1/2		1/2	
3/4	1,904.24	3/4	1,540.01	3/4	1,175.77	3/4	812.09	3/4	447.86	3/4	83.73	3/4		3/4		3/4		3/4	
1	1,896.65	1	1,532.42	1	1,168.18	1	804.50	1	440.28	1	76.18	1		1		1		1	
1/4	1,889.06	1/4	1,524.83	1/4	1,160.60	1/4	796.92	1/4	432.69	1/4	68.62	1/4		1/4		1/4		1/4	
1/2	1,881.48	1/2	1,517.24	1/2	1,153.01	1/2	789.33	1/2	425.10	1/2	61.75	1/2		1/2		1/2		1/2	
3/4	1,873.89	3/4	1,509.65	3/4	1,145.43	3/4	781.74	3/4	417.51	3/4	54.89	3/4		3/4		3/4		3/4	
2	1,866.30	2	1,502.07	2	1,137.85	2	774.15	2	409.92	2	48.02	2		2		2		2	
1/4	1,858.71	1/4	1,494.48	1/4	1,130.27	1/4	766.56	1/4	402.34	1/4	41.15	1/4		1/4		1/4		1/4	
1/2	1,851.12	1/2	1,486.89	1/2	1,122.69	1/2	758.98	1/2	394.75	1/2	35.94	1/2		1/2		1/2		1/2	
3/4	1,843.53	3/4	1,479.30	3/4	1,115.11	3/4	751.39	3/4	387.16	3/4	30.72	3/4		3/4		3/4		3/4	
3	1,835.95	3	1,471.71	3	1,107.53	3	743.80	3	379.57	3	25.50	3		3		3		3	
1/4	1,828.36	1/4	1,464.12	1/4	1,099.95	1/4	736.21	1/4	371.98	1/4	20.28	1/4		1/4		1/4		1/4	
1/2	1,820.77	1/2	1,456.54	1/2	1,092.37	1/2	728.62	1/2	364.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,813.18	3/4	1,448.95	3/4	1,084.80	3/4	721.04	3/4	356.81	3/4		3/4		3/4		3/4		3/4	
4	1,805.59	4	1,441.36	4	1,077.22	4	713.45	4	349.22	4		4		4		4		4	
1/4	1,798.01	1/4	1,433.77	1/4	1,069.65	1/4	705.86	1/4	341.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,790.42	1/2	1,426.18	1/2	1,062.07	1/2	698.27	1/2	334.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,782.83	3/4	1,418.60	3/4	1,054.50	3/4	690.68	3/4	326.45	3/4		3/4		3/4		3/4		3/4	
5	1,775.24	5	1,411.01	5	1,046.93	5	683.10	5	318.87	5		5		5		5		5	
1/4	1,767.65	1/4	1,403.42	1/4	1,039.35	1/4	675.51	1/4	311.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,760.06	1/2	1,395.83	1/2	1,031.78	1/2	667.92	1/2	303.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,752.48	3/4	1,388.24	3/4	1,024.21	3/4	660.33	3/4	296.10	3/4		3/4		3/4		3/4		3/4	
6	1,744.89	6	1,380.65	6	1,016.64	6	652.74	6	288.51	6		6		6		6		6	
1/4	1,737.30	1/4	1,373.07	1/4	1,009.06	1/4	645.15	1/4	280.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,729.71	1/2	1,365.48	1/2	1,001.49	1/2	637.57	1/2	273.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,722.12	3/4	1,357.89	3/4	993.92	3/4	629.98	3/4	265.75	3/4		3/4		3/4		3/4		3/4	
7	1,714.53	7	1,350.30	7	986.34	7	622.39	7	258.16	7		7		7		7		7	
1/4	1,706.95	1/4	1,342.71	1/4	978.77	1/4	614.80	1/4	250.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,699.36	1/2	1,335.13	1/2	971.20	1/2	607.21	1/2	242.99	1/2		1/2		1/2		1/2		1/2	
3/4	1,691.77	3/4	1,327.54	3/4	963.62	3/4	599.63	3/4	235.40	3/4		3/4		3/4		3/4		3/4	
8	1,684.18	8	1,319.95	8	956.05	8	592.04	8	227.81	8		8		8		8		8	
1/4	1,676.59	1/4	1,312.36	1/4	948.48	1/4	584.45	1/4	220.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,669.01	1/2	1,304.77	1/2	940.91	1/2	576.86	1/2	212.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,661.42	3/4	1,297.18	3/4	933.33	3/4	569.27	3/4	205.04	3/4		3/4		3/4		3/4		3/4	
9	1,653.83	9	1,289.60	9	925.76	9	561.69	9	197.46	9		9		9		9		9	
1/4	1,646.24	1/4	1,282.01	1/4	918.19	1/4	554.10	1/4	189.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,638.65	1/2	1,274.42	1/2	910.61	1/2	546.51	1/2	182.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,631.06	3/4	1,266.83	3/4	903.04	3/4	538.92	3/4	174.69	3/4		3/4		3/4		3/4		3/4	
10	1,623.48	10	1,259.24	10	895.47	10	531.33	10	167.10	10		10		10		10		10	
1/4	1,615.89	1/4	1,251.65	1/4	887.89	1/4	523.75	1/4	159.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,608.30	1/2	1,244.07	1/2	880.32	1/2	516.16	1/2	151.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,600.71	3/4	1,236.48	3/4	872.75	3/4	508.57	3/4	144.34	3/4		3/4		3/4		3/4		3/4	
11	1,593.12	11	1,228.89	11	865.18	11	500.98	11	136.76	11		11		11		11		11	
1/4	1,585.54	1/4	1,221.30	1/4	857.60	1/4	493.39	1/4	129.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,577.95	1/2	1,213.71	1/2	850.02	1/2	485.80	1/2	121.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,570.36	3/4	1,206.13	3/4	842.44	3/4	478.22	3/4	114.01	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2014 CL  
CALCULATED: 07/01/2014 CL  
PRINTED: 07/02/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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