



# BARGE "CTCo 354"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-06"

March 14, 2014

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CTCo 354"

# 1 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.21	0	260.60	0	542.64	0	848.63	0	1,176.19	0	1,507.69	0	1,839.18	0	2,170.67	0	2,502.16	0	2,833.66
1/4	16.82	1/4	266.28	1/4	548.76	1/4	855.28	1/4	1,183.10	1/4	1,514.59	1/4	1,846.08	1/4	2,177.58	1/4	2,509.07	1/4	2,840.56
1/2	19.43	1/2	271.96	1/2	554.88	1/2	861.92	1/2	1,190.00	1/2	1,521.50	1/2	1,852.99	1/2	2,184.48	1/2	2,515.98	1/2	2,847.47
3/4	22.04	3/4	277.64	3/4	561.01	3/4	868.57	3/4	1,196.91	3/4	1,528.40	3/4	1,859.90	3/4	2,191.39	3/4	2,522.88	3/4	2,854.37
1	24.65	1	283.32	1	567.13	1	875.21	1	1,203.82	1	1,535.31	1	1,866.80	1	2,198.30	1	2,529.79	1	2,861.28
1/4	29.03	1/4	289.05	1/4	573.30	1/4	881.90	1/4	1,210.72	1/4	1,542.22	1/4	1,873.71	1/4	2,205.20	1/4	2,536.69	1/4	2,868.19
1/2	33.41	1/2	294.77	1/2	579.46	1/2	888.58	1/2	1,217.63	1/2	1,549.12	1/2	1,880.61	1/2	2,212.11	1/2	2,543.60	1/2	2,875.09
3/4	37.79	3/4	300.49	3/4	585.62	3/4	895.27	3/4	1,224.54	3/4	1,556.03	3/4	1,887.52	3/4	2,219.01	3/4	2,550.51	3/4	2,882.00
2	42.16	2	306.21	2	591.79	2	901.96	2	1,231.44	2	1,562.93	2	1,894.43	2	2,225.92	2	2,557.41	2	2,888.91
1/4	47.44	1/4	311.97	1/4	598.00	1/4	908.68	1/4	1,238.35	1/4	1,569.84	1/4	1,901.33	1/4	2,232.83	1/4	2,564.32	1/4	2,895.81
1/2	52.72	1/2	317.74	1/2	604.21	1/2	915.41	1/2	1,245.25	1/2	1,576.75	1/2	1,908.24	1/2	2,239.73	1/2	2,571.22	1/2	2,902.72
3/4	58.00	3/4	323.50	3/4	610.42	3/4	922.13	3/4	1,252.16	3/4	1,583.65	3/4	1,915.15	3/4	2,246.64	3/4	2,578.13	3/4	2,909.62
3	63.28	3	329.26	3	616.63	3	928.86	3	1,259.07	3	1,590.56	3	1,922.05	3	2,253.54	3	2,585.04	3	2,916.53
1/4	68.61	1/4	335.04	1/4	622.92	1/4	935.62	1/4	1,265.97	1/4	1,597.46	1/4	1,928.96	1/4	2,260.45	1/4	2,591.94	1/4	2,923.44
1/2	73.93	1/2	340.82	1/2	629.20	1/2	942.39	1/2	1,272.88	1/2	1,604.37	1/2	1,935.86	1/2	2,267.36	1/2	2,598.85	1/2	2,930.34
3/4	79.25	3/4	346.59	3/4	635.48	3/4	949.15	3/4	1,279.78	3/4	1,611.28	3/4	1,942.77	3/4	2,274.26	3/4	2,605.76	3/4	2,937.25
4	84.57	4	352.37	4	641.77	4	955.92	4	1,286.69	4	1,618.18	4	1,949.68	4	2,281.17	4	2,612.66	4	2,944.15
1/4	89.93	1/4	358.19	1/4	648.09	1/4	962.73	1/4	1,293.60	1/4	1,625.09	1/4	1,956.58	1/4	2,288.07	1/4	2,619.57	1/4	2,951.06
1/2	95.29	1/2	364.01	1/2	654.42	1/2	969.53	1/2	1,300.50	1/2	1,632.00	1/2	1,963.49	1/2	2,294.98	1/2	2,626.47	1/2	2,957.97
3/4	100.65	3/4	369.83	3/4	660.74	3/4	976.34	3/4	1,307.41	3/4	1,638.90	3/4	1,970.39	3/4	2,301.89	3/4	2,633.38	3/4	2,964.87
5	106.01	5	375.65	5	667.06	5	983.14	5	1,314.31	5	1,645.81	5	1,977.30	5	2,308.79	5	2,640.29	5	2,971.78
1/4	111.41	1/4	381.49	1/4	673.43	1/4	989.99	1/4	1,321.22	1/4	1,652.71	1/4	1,984.21	1/4	2,315.70	1/4	2,647.19	1/4	2,978.68
1/2	116.81	1/2	387.34	1/2	679.79	1/2	996.83	1/2	1,328.13	1/2	1,659.62	1/2	1,991.11	1/2	2,322.61	1/2	2,654.10	1/2	2,985.59
3/4	122.21	3/4	393.19	3/4	686.16	3/4	1,003.68	3/4	1,335.03	3/4	1,666.53	3/4	1,998.02	3/4	2,329.51	3/4	2,661.00	3/4	2,992.50
6	127.61	6	399.04	6	692.52	6	1,010.53	6	1,341.94	6	1,673.43	6	2,004.92	6	2,336.42	6	2,667.91	6	2,999.40
1/4	133.05	1/4	404.93	1/4	698.92	1/4	1,017.41	1/4	1,348.85	1/4	1,680.34	1/4	2,011.83	1/4	2,343.32	1/4	2,674.82	1/4	3,006.31
1/2	138.49	1/2	410.81	1/2	705.33	1/2	1,024.30	1/2	1,355.75	1/2	1,687.24	1/2	2,018.74	1/2	2,350.23	1/2	2,681.72	1/2	3,013.22
3/4	143.93	3/4	416.69	3/4	711.73	3/4	1,031.18	3/4	1,362.66	3/4	1,694.15	3/4	2,025.64	3/4	2,357.14	3/4	2,688.63	3/4	3,020.12
7	149.37	7	422.58	7	718.14	7	1,038.07	7	1,369.56	7	1,701.06	7	2,032.55	7	2,364.04	7	2,695.53	7	3,027.03
1/4	154.86	1/4	428.50	1/4	724.58	1/4	1,044.98	1/4	1,376.47	1/4	1,707.96	1/4	2,039.45	1/4	2,370.95	1/4	2,702.44	1/4	3,033.93
1/2	160.34	1/2	434.42	1/2	731.03	1/2	1,051.88	1/2	1,383.38	1/2	1,714.87	1/2	2,046.36	1/2	2,377.85	1/2	2,709.35	1/2	3,040.84
3/4	165.82	3/4	440.34	3/4	737.47	3/4	1,058.79	3/4	1,390.28	3/4	1,721.77	3/4	2,053.27	3/4	2,384.76	3/4	2,716.25	3/4	3,047.75
8	171.30	8	446.27	8	743.92	8	1,065.69	8	1,397.19	8	1,728.68	8	2,060.17	8	2,391.67	8	2,723.16	8	3,054.65
1/4	176.82	1/4	452.23	1/4	750.40	1/4	1,072.60	1/4	1,404.09	1/4	1,735.59	1/4	2,067.08	1/4	2,398.57	1/4	2,730.07	1/4	3,061.56
1/2	182.34	1/2	458.19	1/2	756.88	1/2	1,079.51	1/2	1,411.00	1/2	1,742.49	1/2	2,073.99	1/2	2,405.48	1/2	2,736.97	1/2	3,068.46
3/4	187.86	3/4	464.15	3/4	763.37	3/4	1,086.41	3/4	1,417.91	3/4	1,749.40	3/4	2,080.89	3/4	2,412.38	3/4	2,743.88	3/4	3,075.37
9	193.38	9	470.12	9	769.85	9	1,093.32	9	1,424.81	9	1,756.30	9	2,087.80	9	2,419.29	9	2,750.78	9	3,082.28
1/4	198.94	1/4	476.12	1/4	776.38	1/4	1,100.23	1/4	1,431.72	1/4	1,763.21	1/4	2,094.70	1/4	2,426.20	1/4	2,757.69	1/4	3,089.18
1/2	204.50	1/2	482.12	1/2	782.90	1/2	1,107.13	1/2	1,438.62	1/2	1,770.12	1/2	2,101.61	1/2	2,433.10	1/2	2,764.60	1/2	3,096.09
3/4	210.07	3/4	488.12	3/4	789.43	3/4	1,114.04	3/4	1,445.53	3/4	1,777.02	3/4	2,108.52	3/4	2,440.01	3/4	2,771.50	3/4	3,102.99
10	215.63	10	494.13	10	795.95	10	1,120.94	10	1,452.44	10	1,783.93	10	2,115.42	10	2,446.91	10	2,778.41	10	3,109.90
1/4	221.23	1/4	500.17	1/4	802.52	1/4	1,127.85	1/4	1,459.34	1/4	1,790.84	1/4	2,122.33	1/4	2,453.82	1/4	2,785.31	1/4	3,116.79
1/2	226.83	1/2	506.21	1/2	809.08	1/2	1,134.76	1/2	1,466.25	1/2	1,797.74	1/2	2,129.23	1/2	2,460.73	1/2	2,792.22	1/2	3,123.68
3/4	232.43	3/4	512.26	3/4	815.65	3/4	1,141.66	3/4	1,473.15	3/4	1,804.65	3/4	2,136.14	3/4	2,467.63	3/4	2,799.13	3/4	3,130.57
11	238.03	11	518.30	11	822.21	11	1,148.57	11	1,480.06	11	1,811.55	11	2,143.05	11	2,474.54	11	2,806.03	11	3,137.46
1/4	243.67	1/4	524.38	1/4	828.82	1/4	1,155.47	1/4	1,486.97	1/4	1,818.46	1/4	2,149.95	1/4	2,481.45	1/4	2,812.94	1/4	3,144.32
1/2	249.32	1/2	530.47	1/2	835.42	1/2	1,162.38	1/2	1,493.87	1/2	1,825.37	1/2	2,156.86	1/2	2,488.35	1/2	2,819.84	1/2	3,151.18
3/4	254.96	3/4	536.55	3/4	842.03	3/4	1,169.29	3/4	1,500.78	3/4	1,832.27	3/4	2,163.76	3/4	2,495.26	3/4	2,826.75	3/4	3,158.03

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" 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

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<http://www.pmacorp.net>



# BARGE "CTCo 354"

## 1 PORT INNAGE TABLE HERMETIC GAUGE HEIGHT 14'-10"

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	3,164.89	0	3,482.96	0	3,780.34	0	4,054.58	0		0		0		0		0		0	
1/4	3,171.71	1/4	3,489.35	1/4	3,786.27	1/4	4,059.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,178.53	1/2	3,495.74	1/2	3,792.20	1/2	4,064.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,185.35	3/4	3,502.13	3/4	3,798.14	3/4	4,069.93	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,192.17	1	3,508.51	1	3,804.07	1	4,075.05	1		1		1		1		1		1	
1/4	3,198.95	1/4	3,514.88	1/4	3,809.97	1/4	4,080.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,205.74	1/2	3,521.25	1/2	3,815.88	1/2	4,085.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,212.53	3/4	3,527.61	3/4	3,821.78	3/4	4,090.31	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,219.32	2	3,533.98	2	3,827.68	2	4,095.40	2		2		2		2		2		2	
1/4	3,226.07	1/4	3,540.31	1/4	3,833.55	1/4	4,100.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,232.83	1/2	3,546.63	1/2	3,839.41	1/2	4,105.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,239.59	3/4	3,552.96	3/4	3,845.27	3/4	4,110.54	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,246.35	3	3,559.29	3	3,851.13	3	4,115.58	3		3		3		3		3		3	
1/4	3,253.06	1/4	3,565.58	1/4	3,856.96	1/4	4,120.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,259.78	1/2	3,571.87	1/2	3,862.79	1/2	4,125.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,266.50	3/4	3,578.17	3/4	3,868.62	3/4	4,130.63	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,273.21	4	3,584.46	4	3,874.45	4	4,135.64	4		4		4		4		4		4	
1/4	3,279.90	1/4	3,590.73	1/4	3,880.24	1/4	4,142.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,286.58	1/2	3,597.00	1/2	3,886.04	1/2	4,148.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,293.27	3/4	3,603.26	3/4	3,891.83	3/4	4,155.04	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,299.95	5	3,609.53	5	3,897.62	5	4,161.51	5		5		5		5		5		5	
1/4	3,306.59	1/4	3,615.75	1/4	3,903.39	1/4	4,167.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,313.24	1/2	3,621.98	1/2	3,909.15	1/2	4,174.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,319.88	3/4	3,628.20	3/4	3,914.92	3/4	4,180.90	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,326.53	6	3,634.42	6	3,920.69	6	4,187.37	6		6		6		6		6		6	
1/4	3,333.14	1/4	3,640.62	1/4	3,926.43	1/4	4,193.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,339.75	1/2	3,646.81	1/2	3,932.17	1/2	4,200.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,346.36	3/4	3,653.00	3/4	3,937.91	3/4	4,206.77	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,352.97	7	3,659.20	7	3,943.65	7	4,213.23	7		7		7		7		7		7	
1/4	3,359.55	1/4	3,665.35	1/4	3,949.35	1/4	4,219.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,366.12	1/2	3,671.50	1/2	3,955.05	1/2	4,226.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,372.69	3/4	3,677.65	3/4	3,960.74	3/4	4,232.73	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,379.27	8	3,683.80	8	3,966.44	8	4,239.23	8		8		8		8		8		8	
1/4	3,385.80	1/4	3,689.89	1/4	3,972.11	1/4	4,245.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,392.33	1/2	3,695.98	1/2	3,977.77	1/2	4,252.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,398.86	3/4	3,702.06	3/4	3,983.44	3/4	4,258.74	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,405.39	9	3,708.15	9	3,989.11	9	4,265.24	9		9		9		9		9		9	
1/4	3,411.89	1/4	3,714.19	1/4	3,994.73	1/4	4,271.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,418.40	1/2	3,720.24	1/2	4,000.36	1/2	4,278.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,424.90	3/4	3,726.29	3/4	4,005.99	3/4	4,284.74	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,431.40	10	3,732.33	10	4,011.61	10	4,291.24	10		10		10		10		10		10	
1/4	3,437.86	1/4	3,738.35	1/4	4,017.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,444.32	1/2	3,744.36	1/2	4,022.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,450.78	3/4	3,750.38	3/4	4,028.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,457.24	11	3,756.39	11	4,033.99	11		11		11		11		11		11		11	
1/4	3,463.67	1/4	3,762.38	1/4	4,039.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,470.10	1/2	3,768.36	1/2	4,044.28	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,476.53	3/4	3,774.35	3/4	4,049.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/14/2014 SW  
CALCULATED: 03/15/2014 CL  
PRINTED: 03/15/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2014

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



# BARGE "CTCo 354"

## 1 STBD INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-9 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	14.21	0	260.53	0	543.38	0	849.65	0	1,177.20	0	1,508.69	0	1,840.19	0	2,171.68	0	2,503.17	0	2,834.66
1/4	16.82	1/4	266.21	1/4	549.53	1/4	856.29	1/4	1,184.11	1/4	1,515.60	1/4	1,847.09	1/4	2,178.59	1/4	2,510.08	1/4	2,841.57
1/2	19.43	1/2	271.89	1/2	555.68	1/2	862.94	1/2	1,191.01	1/2	1,522.51	1/2	1,854.00	1/2	2,185.49	1/2	2,516.98	1/2	2,848.48
3/4	22.04	3/4	277.57	3/4	561.83	3/4	869.58	3/4	1,197.92	3/4	1,529.41	3/4	1,860.90	3/4	2,192.40	3/4	2,523.89	3/4	2,855.38
1	24.65	1	283.25	1	567.97	1	876.23	1	1,204.83	1	1,536.32	1	1,867.81	1	2,199.30	1	2,530.80	1	2,862.29
1/4	29.02	1/4	288.98	1/4	574.16	1/4	882.91	1/4	1,211.73	1/4	1,543.22	1/4	1,874.72	1/4	2,206.21	1/4	2,537.70	1/4	2,869.20
1/2	33.40	1/2	294.70	1/2	580.35	1/2	889.60	1/2	1,218.64	1/2	1,550.13	1/2	1,881.62	1/2	2,213.12	1/2	2,544.61	1/2	2,876.10
3/4	37.78	3/4	300.42	3/4	586.53	3/4	896.28	3/4	1,225.54	3/4	1,557.04	3/4	1,888.53	3/4	2,220.02	3/4	2,551.51	3/4	2,883.01
2	42.15	2	306.14	2	592.72	2	902.97	2	1,232.45	2	1,563.94	2	1,895.44	2	2,226.93	2	2,558.42	2	2,889.91
1/4	47.43	1/4	311.90	1/4	598.96	1/4	909.69	1/4	1,239.36	1/4	1,570.85	1/4	1,902.34	1/4	2,233.83	1/4	2,565.33	1/4	2,896.82
1/2	52.71	1/2	317.66	1/2	605.19	1/2	916.42	1/2	1,246.26	1/2	1,577.75	1/2	1,909.25	1/2	2,240.74	1/2	2,572.23	1/2	2,903.73
3/4	57.99	3/4	323.42	3/4	611.42	3/4	923.14	3/4	1,253.17	3/4	1,584.66	3/4	1,916.15	3/4	2,247.65	3/4	2,579.14	3/4	2,910.63
3	63.27	3	329.18	3	617.66	3	929.87	3	1,260.07	3	1,591.57	3	1,923.06	3	2,254.55	3	2,586.05	3	2,917.54
1/4	68.59	1/4	334.98	1/4	623.94	1/4	936.63	1/4	1,266.98	1/4	1,598.47	1/4	1,929.97	1/4	2,261.46	1/4	2,592.95	1/4	2,924.44
1/2	73.91	1/2	340.78	1/2	630.23	1/2	943.40	1/2	1,273.89	1/2	1,605.38	1/2	1,936.87	1/2	2,268.36	1/2	2,599.86	1/2	2,931.35
3/4	79.22	3/4	346.58	3/4	636.51	3/4	950.16	3/4	1,280.79	3/4	1,612.29	3/4	1,943.78	3/4	2,275.27	3/4	2,606.76	3/4	2,938.26
4	84.54	4	352.38	4	642.79	4	956.93	4	1,287.70	4	1,619.19	4	1,950.68	4	2,282.18	4	2,613.67	4	2,945.16
1/4	89.90	1/4	358.23	1/4	649.12	1/4	963.73	1/4	1,294.60	1/4	1,626.10	1/4	1,957.59	1/4	2,289.08	1/4	2,620.58	1/4	2,952.07
1/2	95.26	1/2	364.07	1/2	655.44	1/2	970.54	1/2	1,301.51	1/2	1,633.00	1/2	1,964.50	1/2	2,295.99	1/2	2,627.48	1/2	2,958.97
3/4	100.62	3/4	369.91	3/4	661.76	3/4	977.35	3/4	1,308.42	3/4	1,639.91	3/4	1,971.40	3/4	2,302.90	3/4	2,634.39	3/4	2,965.88
5	105.98	5	375.75	5	668.09	5	984.15	5	1,315.32	5	1,646.82	5	1,978.31	5	2,309.80	5	2,641.29	5	2,972.79
1/4	111.38	1/4	381.62	1/4	674.45	1/4	991.00	1/4	1,322.23	1/4	1,653.72	1/4	1,985.21	1/4	2,316.71	1/4	2,648.20	1/4	2,979.69
1/2	116.78	1/2	387.49	1/2	680.81	1/2	997.84	1/2	1,329.14	1/2	1,660.63	1/2	1,992.12	1/2	2,323.61	1/2	2,655.11	1/2	2,986.60
3/4	122.18	3/4	393.37	3/4	687.18	3/4	1,004.69	3/4	1,336.04	3/4	1,667.53	3/4	1,999.03	3/4	2,330.52	3/4	2,662.01	3/4	2,993.51
6	127.58	6	399.24	6	693.54	6	1,011.53	6	1,342.95	6	1,674.44	6	2,005.93	6	2,337.43	6	2,668.92	6	3,000.41
1/4	133.02	1/4	405.15	1/4	699.95	1/4	1,018.42	1/4	1,349.85	1/4	1,681.35	1/4	2,012.84	1/4	2,344.33	1/4	2,675.82	1/4	3,007.32
1/2	138.46	1/2	411.05	1/2	706.35	1/2	1,025.31	1/2	1,356.76	1/2	1,688.25	1/2	2,019.75	1/2	2,351.24	1/2	2,682.73	1/2	3,014.22
3/4	143.89	3/4	416.96	3/4	712.75	3/4	1,032.19	3/4	1,363.67	3/4	1,695.16	3/4	2,026.65	3/4	2,358.14	3/4	2,689.64	3/4	3,021.13
7	149.33	7	422.86	7	719.16	7	1,039.08	7	1,370.57	7	1,702.06	7	2,033.56	7	2,365.05	7	2,696.54	7	3,028.04
1/4	154.81	1/4	428.81	1/4	725.60	1/4	1,045.99	1/4	1,377.48	1/4	1,708.97	1/4	2,040.46	1/4	2,371.96	1/4	2,703.45	1/4	3,034.94
1/2	160.29	1/2	434.76	1/2	732.05	1/2	1,052.89	1/2	1,384.38	1/2	1,715.88	1/2	2,047.37	1/2	2,378.86	1/2	2,710.36	1/2	3,041.85
3/4	165.77	3/4	440.70	3/4	738.49	3/4	1,059.80	3/4	1,391.29	3/4	1,722.78	3/4	2,054.28	3/4	2,385.77	3/4	2,717.26	3/4	3,048.75
8	171.25	8	446.65	8	744.93	8	1,066.70	8	1,398.20	8	1,729.69	8	2,061.18	8	2,392.67	8	2,724.17	8	3,055.66
1/4	176.77	1/4	452.63	1/4	751.42	1/4	1,073.61	1/4	1,405.10	1/4	1,736.59	1/4	2,068.09	1/4	2,399.58	1/4	2,731.07	1/4	3,062.57
1/2	182.29	1/2	458.62	1/2	757.90	1/2	1,080.52	1/2	1,412.01	1/2	1,743.50	1/2	2,074.99	1/2	2,406.49	1/2	2,737.98	1/2	3,069.47
3/4	187.81	3/4	464.60	3/4	764.39	3/4	1,087.42	3/4	1,418.91	3/4	1,750.41	3/4	2,081.90	3/4	2,413.39	3/4	2,744.89	3/4	3,076.38
9	193.33	9	470.59	9	770.87	9	1,094.33	9	1,425.82	9	1,757.31	9	2,088.81	9	2,420.30	9	2,751.79	9	3,083.28
1/4	198.89	1/4	476.61	1/4	777.39	1/4	1,101.23	1/4	1,432.73	1/4	1,764.22	1/4	2,095.71	1/4	2,427.21	1/4	2,758.70	1/4	3,090.19
1/2	204.45	1/2	482.64	1/2	783.92	1/2	1,108.14	1/2	1,439.63	1/2	1,771.13	1/2	2,102.62	1/2	2,434.11	1/2	2,765.60	1/2	3,097.10
3/4	210.01	3/4	488.67	3/4	790.44	3/4	1,115.05	3/4	1,446.54	3/4	1,778.03	3/4	2,109.52	3/4	2,441.02	3/4	2,772.51	3/4	3,104.00
10	215.57	10	494.69	10	796.97	10	1,121.95	10	1,453.44	10	1,784.94	10	2,116.43	10	2,447.92	10	2,779.42	10	3,110.91
1/4	221.17	1/4	500.76	1/4	803.53	1/4	1,128.86	1/4	1,460.35	1/4	1,791.84	1/4	2,123.34	1/4	2,454.83	1/4	2,786.32	1/4	3,117.80
1/2	226.77	1/2	506.82	1/2	810.10	1/2	1,135.76	1/2	1,467.26	1/2	1,798.75	1/2	2,130.24	1/2	2,461.74	1/2	2,793.23	1/2	3,124.69
3/4	232.37	3/4	512.89	3/4	816.66	3/4	1,142.67	3/4	1,474.16	3/4	1,805.66	3/4	2,137.15	3/4	2,468.64	3/4	2,800.13	3/4	3,131.58
11	237.97	11	518.96	11	823.23	11	1,149.58	11	1,481.07	11	1,812.56	11	2,144.05	11	2,475.55	11	2,807.04	11	3,138.47
1/4	243.61	1/4	525.06	1/4	829.83	1/4	1,156.48	1/4	1,487.98	1/4	1,819.47	1/4	2,150.96	1/4	2,482.45	1/4	2,813.95	1/4	3,145.33
1/2	249.25	1/2	531.17	1/2	836.44	1/2	1,163.39	1/2	1,494.88	1/2	1,826.37	1/2	2,157.87	1/2	2,489.36	1/2	2,820.85	1/2	3,152.18
3/4	254.89	3/4	537.28	3/4	843.04	3/4	1,170.29	3/4	1,501.79	3/4	1,833.28	3/4	2,164.77	3/4	2,496.27	3/4	2,827.76	3/4	3,159.04

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" 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 354"

## 1 STBD INNAGE TABLE HERMETIC

GAUGE HEIGHT 14'-9 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,165.90	0	3,483.95	0	3,781.30	0	4,055.49	0		0		0		0		0		0	
1/4	3,172.72	1/4	3,490.34	1/4	3,787.23	1/4	4,060.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,179.54	1/2	3,496.73	1/2	3,793.17	1/2	4,065.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,186.36	3/4	3,503.12	3/4	3,799.10	3/4	4,070.84	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,193.18	1	3,509.51	1	3,805.03	1	4,075.95	1		1		1		1		1		1	
1/4	3,199.96	1/4	3,515.87	1/4	3,810.93	1/4	4,081.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,206.75	1/2	3,522.24	1/2	3,816.84	1/2	4,086.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,213.54	3/4	3,528.60	3/4	3,822.74	3/4	4,091.21	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,220.32	2	3,534.97	2	3,828.64	2	4,096.30	2		2		2		2		2		2	
1/4	3,227.08	1/4	3,541.30	1/4	3,834.50	1/4	4,101.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,233.84	1/2	3,547.62	1/2	3,840.36	1/2	4,106.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,240.60	3/4	3,553.95	3/4	3,846.22	3/4	4,111.43	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,247.36	3	3,560.27	3	3,852.09	3	4,116.47	3		3		3		3		3		3	
1/4	3,254.07	1/4	3,566.57	1/4	3,857.91	1/4	4,121.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,260.79	1/2	3,572.86	1/2	3,863.74	1/2	4,126.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,267.50	3/4	3,579.16	3/4	3,869.57	3/4	4,131.51	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,274.22	4	3,585.45	4	3,875.40	4	4,136.53	4		4		4		4		4		4	
1/4	3,280.90	1/4	3,591.72	1/4	3,881.19	1/4	4,142.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,287.59	1/2	3,597.98	1/2	3,886.98	1/2	4,149.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,294.27	3/4	3,604.25	3/4	3,892.77	3/4	4,155.92	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,300.95	5	3,610.52	5	3,898.56	5	4,162.39	5		5		5		5		5		5	
1/4	3,307.60	1/4	3,616.74	1/4	3,904.33	1/4	4,168.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,314.24	1/2	3,622.96	1/2	3,910.10	1/2	4,175.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,320.89	3/4	3,629.18	3/4	3,915.86	3/4	4,181.78	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,327.53	6	3,635.41	6	3,921.63	6	4,188.25	6		6		6		6		6		6	
1/4	3,334.14	1/4	3,641.60	1/4	3,927.37	1/4	4,194.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,340.75	1/2	3,647.79	1/2	3,933.11	1/2	4,201.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,347.37	3/4	3,653.98	3/4	3,938.85	3/4	4,207.65	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,353.98	7	3,660.18	7	3,944.59	7	4,214.11	7		7		7		7		7		7	
1/4	3,360.55	1/4	3,666.33	1/4	3,950.29	1/4	4,220.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,367.12	1/2	3,672.48	1/2	3,955.98	1/2	4,227.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,373.70	3/4	3,678.63	3/4	3,961.68	3/4	4,233.61	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,380.27	8	3,684.78	8	3,967.37	8	4,240.11	8		8		8		8		8		8	
1/4	3,386.80	1/4	3,690.87	1/4	3,973.04	1/4	4,246.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,393.33	1/2	3,696.95	1/2	3,978.70	1/2	4,253.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,399.86	3/4	3,703.04	3/4	3,984.37	3/4	4,259.61	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,406.39	9	3,709.12	9	3,990.03	9	4,266.11	9		9		9		9		9		9	
1/4	3,412.89	1/4	3,715.17	1/4	3,995.66	1/4	4,272.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,419.40	1/2	3,721.21	1/2	4,001.28	1/2	4,279.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,425.90	3/4	3,727.26	3/4	4,006.91	3/4	4,285.61	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,432.40	10	3,733.30	10	4,012.53	10	4,292.11	10		10		10		10		10		10	
1/4	3,438.86	1/4	3,739.32	1/4	4,018.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,445.32	1/2	3,745.33	1/2	4,023.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,451.78	3/4	3,751.35	3/4	4,029.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,458.24	11	3,757.36	11	4,034.90	11		11		11		11		11		11		11	
1/4	3,464.67	1/4	3,763.34	1/4	4,040.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,471.10	1/2	3,769.33	1/2	4,045.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,477.53	3/4	3,775.32	3/4	4,050.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/14/2014 SW  
CALCULATED: 03/15/2014 CL  
PRINTED: 03/15/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2014

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



# BARGE "CTCo 354"

## 2 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	16.56	0	388.24	0	765.26	0	1,148.66	0	1,536.52	0	1,924.37	0	2,312.23	0	2,700.08	0	3,087.94	0	3,475.79
1/4	21.61	1/4	396.32	1/4	773.02	1/4	1,156.74	1/4	1,544.60	1/4	1,932.45	1/4	2,320.31	1/4	2,708.16	1/4	3,096.02	1/4	3,483.87
1/2	26.66	1/2	404.40	1/2	780.78	1/2	1,164.82	1/2	1,552.68	1/2	1,940.53	1/2	2,328.39	1/2	2,716.24	1/2	3,104.10	1/2	3,491.95
3/4	31.71	3/4	412.48	3/4	788.53	3/4	1,172.90	3/4	1,560.76	3/4	1,948.61	3/4	2,336.47	3/4	2,724.32	3/4	3,112.18	3/4	3,500.03
1	36.76	1	420.56	1	796.29	1	1,180.99	1	1,568.84	1	1,956.69	1	2,344.55	1	2,732.40	1	3,120.26	1	3,508.11
1/4	43.83	1/4	428.64	1/4	804.05	1/4	1,189.07	1/4	1,576.92	1/4	1,964.77	1/4	2,352.63	1/4	2,740.48	1/4	3,128.34	1/4	3,516.19
1/2	50.90	1/2	436.72	1/2	811.81	1/2	1,197.15	1/2	1,585.00	1/2	1,972.85	1/2	2,360.71	1/2	2,748.56	1/2	3,136.42	1/2	3,524.27
3/4	57.97	3/4	444.80	3/4	819.57	3/4	1,205.23	3/4	1,593.08	3/4	1,980.93	3/4	2,368.79	3/4	2,756.64	3/4	3,144.50	3/4	3,532.35
2	65.04	2	452.88	2	827.33	2	1,213.31	2	1,601.16	2	1,989.02	2	2,376.87	2	2,764.72	2	3,152.58	2	3,540.43
1/4	73.12	1/4	460.96	1/4	835.09	1/4	1,221.39	1/4	1,609.24	1/4	1,997.10	1/4	2,384.95	1/4	2,772.80	1/4	3,160.66	1/4	3,548.51
1/2	81.20	1/2	469.04	1/2	842.86	1/2	1,229.47	1/2	1,617.32	1/2	2,005.18	1/2	2,393.03	1/2	2,780.88	1/2	3,168.74	1/2	3,556.59
3/4	89.28	3/4	477.12	3/4	850.62	3/4	1,237.55	3/4	1,625.40	3/4	2,013.26	3/4	2,401.11	3/4	2,788.96	3/4	3,176.82	3/4	3,564.67
3	97.36	3	485.20	3	858.39	3	1,245.63	3	1,633.48	3	2,021.34	3	2,409.19	3	2,797.05	3	3,184.90	3	3,572.75
1/4	105.44	1/4	493.13	1/4	866.31	1/4	1,253.71	1/4	1,641.56	1/4	2,029.42	1/4	2,417.27	1/4	2,805.13	1/4	3,192.98	1/4	3,580.83
1/2	113.52	1/2	501.06	1/2	874.24	1/2	1,261.79	1/2	1,649.64	1/2	2,037.50	1/2	2,425.35	1/2	2,813.21	1/2	3,201.06	1/2	3,588.91
3/4	121.60	3/4	508.99	3/4	882.17	3/4	1,269.87	3/4	1,657.72	3/4	2,045.58	3/4	2,433.43	3/4	2,821.29	3/4	3,209.14	3/4	3,596.99
4	129.68	4	516.91	4	890.09	4	1,277.95	4	1,665.80	4	2,053.66	4	2,441.51	4	2,829.37	4	3,217.22	4	3,605.08
1/4	137.76	1/4	524.69	1/4	898.17	1/4	1,286.03	1/4	1,673.88	1/4	2,061.74	1/4	2,449.59	1/4	2,837.45	1/4	3,225.30	1/4	3,613.16
1/2	145.84	1/2	532.46	1/2	906.25	1/2	1,294.11	1/2	1,681.96	1/2	2,069.82	1/2	2,457.67	1/2	2,845.53	1/2	3,233.38	1/2	3,621.24
3/4	153.92	3/4	540.24	3/4	914.34	3/4	1,302.19	3/4	1,690.04	3/4	2,077.90	3/4	2,465.75	3/4	2,853.61	3/4	3,241.46	3/4	3,629.32
5	162.00	5	548.01	5	922.42	5	1,310.27	5	1,698.12	5	2,085.98	5	2,473.83	5	2,861.69	5	3,249.54	5	3,637.40
1/4	170.08	1/4	555.77	1/4	930.50	1/4	1,318.35	1/4	1,706.20	1/4	2,094.06	1/4	2,481.91	1/4	2,869.77	1/4	3,257.62	1/4	3,645.48
1/2	178.16	1/2	563.54	1/2	938.58	1/2	1,326.43	1/2	1,714.29	1/2	2,102.14	1/2	2,489.99	1/2	2,877.85	1/2	3,265.70	1/2	3,653.56
3/4	186.24	3/4	571.30	3/4	946.66	3/4	1,334.51	3/4	1,722.37	3/4	2,110.22	3/4	2,498.07	3/4	2,885.93	3/4	3,273.78	3/4	3,661.64
6	194.32	6	579.07	6	954.74	6	1,342.59	6	1,730.45	6	2,118.30	6	2,506.15	6	2,894.01	6	3,281.86	6	3,669.72
1/4	202.40	1/4	586.83	1/4	962.82	1/4	1,350.67	1/4	1,738.53	1/4	2,126.38	1/4	2,514.23	1/4	2,902.09	1/4	3,289.94	1/4	3,677.80
1/2	210.48	1/2	594.59	1/2	970.90	1/2	1,358.75	1/2	1,746.61	1/2	2,134.46	1/2	2,522.32	1/2	2,910.17	1/2	3,298.02	1/2	3,685.88
3/4	218.56	3/4	602.34	3/4	978.98	3/4	1,366.83	3/4	1,754.69	3/4	2,142.54	3/4	2,530.40	3/4	2,918.25	3/4	3,306.10	3/4	3,693.96
7	226.64	7	610.10	7	987.06	7	1,374.91	7	1,762.77	7	2,150.62	7	2,538.48	7	2,926.33	7	3,314.18	7	3,702.04
1/4	234.72	1/4	617.86	1/4	995.14	1/4	1,382.99	1/4	1,770.85	1/4	2,158.70	1/4	2,546.56	1/4	2,934.41	1/4	3,322.26	1/4	3,710.12
1/2	242.80	1/2	625.62	1/2	1,003.22	1/2	1,391.07	1/2	1,778.93	1/2	2,166.78	1/2	2,554.64	1/2	2,942.49	1/2	3,330.35	1/2	3,718.20
3/4	250.88	3/4	633.38	3/4	1,011.30	3/4	1,399.15	3/4	1,787.01	3/4	2,174.86	3/4	2,562.72	3/4	2,950.57	3/4	3,338.43	3/4	3,726.28
8	258.96	8	641.13	8	1,019.38	8	1,407.23	8	1,795.09	8	2,182.94	8	2,570.80	8	2,958.65	8	3,346.51	8	3,734.36
1/4	267.04	1/4	648.89	1/4	1,027.46	1/4	1,415.31	1/4	1,803.17	1/4	2,191.02	1/4	2,578.88	1/4	2,966.73	1/4	3,354.59	1/4	3,742.44
1/2	275.12	1/2	656.65	1/2	1,035.54	1/2	1,423.39	1/2	1,811.25	1/2	2,199.10	1/2	2,586.96	1/2	2,974.81	1/2	3,362.67	1/2	3,750.52
3/4	283.20	3/4	664.41	3/4	1,043.62	3/4	1,431.47	3/4	1,819.33	3/4	2,207.18	3/4	2,595.04	3/4	2,982.89	3/4	3,370.75	3/4	3,758.60
9	291.28	9	672.16	9	1,051.70	9	1,439.55	9	1,827.41	9	2,215.26	9	2,603.12	9	2,990.97	9	3,378.83	9	3,766.68
1/4	299.36	1/4	679.92	1/4	1,059.78	1/4	1,447.64	1/4	1,835.49	1/4	2,223.34	1/4	2,611.20	1/4	2,999.05	1/4	3,386.91	1/4	3,774.76
1/2	307.44	1/2	687.68	1/2	1,067.86	1/2	1,455.72	1/2	1,843.57	1/2	2,231.42	1/2	2,619.28	1/2	3,007.13	1/2	3,394.99	1/2	3,782.84
3/4	315.52	3/4	695.44	3/4	1,075.94	3/4	1,463.80	3/4	1,851.65	3/4	2,239.50	3/4	2,627.36	3/4	3,015.21	3/4	3,403.07	3/4	3,790.92
10	323.60	10	703.19	10	1,084.02	10	1,471.88	10	1,859.73	10	2,247.58	10	2,635.44	10	3,023.29	10	3,411.15	10	3,799.00
1/4	331.68	1/4	710.95	1/4	1,092.10	1/4	1,479.96	1/4	1,867.81	1/4	2,255.67	1/4	2,643.52	1/4	3,031.37	1/4	3,419.23	1/4	3,807.06
1/2	339.76	1/2	718.71	1/2	1,100.18	1/2	1,488.04	1/2	1,875.89	1/2	2,263.75	1/2	2,651.60	1/2	3,039.45	1/2	3,427.31	1/2	3,815.13
3/4	347.84	3/4	726.47	3/4	1,108.26	3/4	1,496.12	3/4	1,883.97	3/4	2,271.83	3/4	2,659.68	3/4	3,047.53	3/4	3,435.39	3/4	3,823.19
11	355.92	11	734.23	11	1,116.34	11	1,504.20	11	1,892.05	11	2,279.91	11	2,667.76	11	3,055.61	11	3,443.47	11	3,831.25
1/4	364.00	1/4	741.98	1/4	1,124.42	1/4	1,512.28	1/4	1,900.13	1/4	2,287.99	1/4	2,675.84	1/4	3,063.70	1/4	3,451.55	1/4	3,839.27
1/2	372.08	1/2	749.74	1/2	1,132.50	1/2	1,520.36	1/2	1,908.21	1/2	2,296.07	1/2	2,683.92	1/2	3,071.78	1/2	3,459.63	1/2	3,847.30
3/4	380.16	3/4	757.50	3/4	1,140.58	3/4	1,528.44	3/4	1,916.29	3/4	2,304.15	3/4	2,692.00	3/4	3,079.86	3/4	3,467.71	3/4	3,855.32

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 51'-00" 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 354"

## 2 PORT INNAGE TABLE HERMETIC

GAUGE HEIGHT 14'-10"

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	3,863.34	0	4,235.49	0	4,583.43	0	4,904.28	0		0		0		0		0		0	
1/4	3,871.32	1/4	4,242.97	1/4	4,590.37	1/4	4,910.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,879.30	1/2	4,250.44	1/2	4,597.31	1/2	4,916.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,887.28	3/4	4,257.92	3/4	4,604.25	3/4	4,922.24	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,895.26	1	4,265.39	1	4,611.19	1	4,928.23	1		1		1		1		1		1	
1/4	3,903.20	1/4	4,272.84	1/4	4,618.10	1/4	4,934.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,911.14	1/2	4,280.29	1/2	4,625.01	1/2	4,940.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,919.08	3/4	4,287.74	3/4	4,631.91	3/4	4,946.09	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,927.02	2	4,295.18	2	4,638.82	2	4,952.04	2		2		2		2		2		2	
1/4	3,934.93	1/4	4,302.59	1/4	4,645.68	1/4	4,957.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,942.84	1/2	4,309.99	1/2	4,652.54	1/2	4,963.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,950.74	3/4	4,317.39	3/4	4,659.39	3/4	4,969.75	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,958.65	3	4,324.79	3	4,666.25	3	4,975.65	3		3		3		3		3		3	
1/4	3,966.51	1/4	4,332.16	1/4	4,673.07	1/4	4,981.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,974.36	1/2	4,339.53	1/2	4,679.90	1/2	4,987.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,982.22	3/4	4,346.89	3/4	4,686.72	3/4	4,993.25	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,990.08	4	4,354.26	4	4,693.54	4	4,999.12	4		4		4		4		4		4	
1/4	3,997.90	1/4	4,361.59	1/4	4,700.31	1/4	5,006.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,005.72	1/2	4,368.92	1/2	4,707.09	1/2	5,014.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,013.54	3/4	4,376.25	3/4	4,713.86	3/4	5,021.81	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,021.36	5	4,383.58	5	4,720.64	5	5,029.38	5		5		5		5		5		5	
1/4	4,029.14	1/4	4,390.86	1/4	4,727.39	1/4	5,036.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,036.91	1/2	4,398.15	1/2	4,734.14	1/2	5,044.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,044.69	3/4	4,405.43	3/4	4,740.89	3/4	5,052.07	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,052.46	6	4,412.71	6	4,747.64	6	5,059.64	6		6		6		6		6		6	
1/4	4,060.20	1/4	4,419.96	1/4	4,754.35	1/4	5,067.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,067.93	1/2	4,427.20	1/2	4,761.07	1/2	5,074.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,075.67	3/4	4,434.45	3/4	4,767.78	3/4	5,082.33	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,083.41	7	4,441.69	7	4,774.50	7	5,089.90	7		7		7		7		7		7	
1/4	4,091.10	1/4	4,448.89	1/4	4,781.16	1/4	5,097.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,098.79	1/2	4,456.09	1/2	4,787.83	1/2	5,105.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,106.48	3/4	4,463.29	3/4	4,794.50	3/4	5,112.71	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,114.17	8	4,470.49	8	4,801.16	8	5,120.32	8		8		8		8		8		8	
1/4	4,121.81	1/4	4,477.61	1/4	4,807.79	1/4	5,127.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,129.45	1/2	4,484.73	1/2	4,814.42	1/2	5,135.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,137.09	3/4	4,491.85	3/4	4,821.05	3/4	5,143.13	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,144.73	9	4,498.97	9	4,827.68	9	5,150.74	9		9		9		9		9		9	
1/4	4,152.34	1/4	4,506.04	1/4	4,834.26	1/4	5,158.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,159.95	1/2	4,513.12	1/2	4,840.84	1/2	5,165.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,167.56	3/4	4,520.19	3/4	4,847.43	3/4	5,173.56	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,175.17	10	4,527.26	10	4,854.01	10	5,181.16	10		10		10		10		10		10	
1/4	4,182.73	1/4	4,534.30	1/4	4,860.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,190.29	1/2	4,541.34	1/2	4,867.10	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,197.84	3/4	4,548.37	3/4	4,873.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,205.40	11	4,555.41	11	4,880.19	11		11		11		11		11		11		11	
1/4	4,212.92	1/4	4,562.41	1/4	4,886.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,220.45	1/2	4,569.42	1/2	4,892.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,227.97	3/4	4,576.42	3/4	4,898.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/14/2014 SW  
CALCULATED: 03/15/2014 CL  
PRINTED: 03/15/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "CTCo 354"

## 2 STBD

### INNAGE TABLE

### HERMETIC

#### GAUGE HEIGHT 14'-09 3/4"

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	16.57	0	388.42	0	776.02	0	1,163.88	0	1,551.91	0	1,939.94	0	2,327.97	0	2,715.99	0	3,104.02	0	3,492.05
1/4	21.62	1/4	396.50	1/4	784.09	1/4	1,171.97	1/4	1,559.99	1/4	1,948.02	1/4	2,336.05	1/4	2,724.08	1/4	3,112.10	1/4	3,500.13
1/2	26.67	1/2	404.59	1/2	792.15	1/2	1,180.05	1/2	1,568.08	1/2	1,956.11	1/2	2,344.13	1/2	2,732.16	1/2	3,120.19	1/2	3,508.21
3/4	31.72	3/4	412.67	3/4	800.22	3/4	1,188.14	3/4	1,576.16	3/4	1,964.19	3/4	2,352.22	3/4	2,740.24	3/4	3,128.27	3/4	3,516.30
1	36.78	1	420.75	1	808.29	1	1,196.22	1	1,584.25	1	1,972.27	1	2,360.30	1	2,748.33	1	3,136.36	1	3,524.38
1/4	43.85	1/4	428.84	1/4	816.36	1/4	1,204.30	1/4	1,592.33	1/4	1,980.36	1/4	2,368.38	1/4	2,756.41	1/4	3,144.44	1/4	3,532.47
1/2	50.92	1/2	436.92	1/2	824.43	1/2	1,212.39	1/2	1,600.41	1/2	1,988.44	1/2	2,376.47	1/2	2,764.50	1/2	3,152.52	1/2	3,540.55
3/4	58.00	3/4	445.01	3/4	832.49	3/4	1,220.47	3/4	1,608.50	3/4	1,996.53	3/4	2,384.55	3/4	2,772.58	3/4	3,160.61	3/4	3,548.63
2	65.07	2	453.09	2	840.56	2	1,228.55	2	1,616.58	2	2,004.61	2	2,392.64	2	2,780.66	2	3,168.69	2	3,556.72
1/4	73.16	1/4	461.17	1/4	848.64	1/4	1,236.64	1/4	1,624.67	1/4	2,012.69	1/4	2,400.72	1/4	2,788.75	1/4	3,176.77	1/4	3,564.80
1/2	81.24	1/2	469.26	1/2	856.71	1/2	1,244.72	1/2	1,632.75	1/2	2,020.78	1/2	2,408.80	1/2	2,796.83	1/2	3,184.86	1/2	3,572.89
3/4	89.32	3/4	477.34	3/4	864.79	3/4	1,252.81	3/4	1,640.83	3/4	2,028.86	3/4	2,416.89	3/4	2,804.92	3/4	3,192.94	3/4	3,580.97
3	97.41	3	485.42	3	872.86	3	1,260.89	3	1,648.92	3	2,036.94	3	2,424.97	3	2,813.00	3	3,201.03	3	3,589.05
1/4	105.49	1/4	493.51	1/4	880.95	1/4	1,268.97	1/4	1,657.00	1/4	2,045.03	1/4	2,433.06	1/4	2,821.08	1/4	3,209.11	1/4	3,597.14
1/2	113.57	1/2	501.59	1/2	889.03	1/2	1,277.06	1/2	1,665.09	1/2	2,053.11	1/2	2,441.14	1/2	2,829.17	1/2	3,217.19	1/2	3,605.22
3/4	121.66	3/4	509.68	3/4	897.11	3/4	1,285.14	3/4	1,673.17	3/4	2,061.20	3/4	2,449.22	3/4	2,837.25	3/4	3,225.28	3/4	3,613.31
4	129.74	4	517.76	4	905.20	4	1,293.23	4	1,681.25	4	2,069.28	4	2,457.31	4	2,845.33	4	3,233.36	4	3,621.39
1/4	137.83	1/4	525.84	1/4	913.28	1/4	1,301.31	1/4	1,689.34	1/4	2,077.36	1/4	2,465.39	1/4	2,853.42	1/4	3,241.45	1/4	3,629.47
1/2	145.91	1/2	533.93	1/2	921.37	1/2	1,309.39	1/2	1,697.42	1/2	2,085.45	1/2	2,473.48	1/2	2,861.50	1/2	3,249.53	1/2	3,637.56
3/4	153.99	3/4	542.01	3/4	929.45	3/4	1,317.48	3/4	1,705.50	3/4	2,093.53	3/4	2,481.56	3/4	2,869.59	3/4	3,257.61	3/4	3,645.64
5	162.08	5	550.09	5	937.53	5	1,325.56	5	1,713.59	5	2,101.62	5	2,489.64	5	2,877.67	5	3,265.70	5	3,653.72
1/4	170.16	1/4	558.17	1/4	945.62	1/4	1,333.65	1/4	1,721.67	1/4	2,109.70	1/4	2,497.73	1/4	2,885.75	1/4	3,273.78	1/4	3,661.81
1/2	178.24	1/2	566.24	1/2	953.70	1/2	1,341.73	1/2	1,729.76	1/2	2,117.78	1/2	2,505.81	1/2	2,893.84	1/2	3,281.87	1/2	3,669.89
3/4	186.33	3/4	574.32	3/4	961.79	3/4	1,349.81	3/4	1,737.84	3/4	2,125.87	3/4	2,513.89	3/4	2,901.92	3/4	3,289.95	3/4	3,677.98
6	194.41	6	582.39	6	969.87	6	1,357.90	6	1,745.92	6	2,133.95	6	2,521.98	6	2,910.01	6	3,298.03	6	3,686.06
1/4	202.49	1/4	590.46	1/4	977.95	1/4	1,365.98	1/4	1,754.01	1/4	2,142.04	1/4	2,530.06	1/4	2,918.09	1/4	3,306.12	1/4	3,694.14
1/2	210.58	1/2	598.53	1/2	986.04	1/2	1,374.06	1/2	1,762.09	1/2	2,150.12	1/2	2,538.15	1/2	2,926.17	1/2	3,314.20	1/2	3,702.23
3/4	218.66	3/4	606.60	3/4	994.12	3/4	1,382.15	3/4	1,770.18	3/4	2,158.20	3/4	2,546.23	3/4	2,934.26	3/4	3,322.28	3/4	3,710.31
7	226.75	7	614.66	7	1,002.21	7	1,390.23	7	1,778.26	7	2,166.29	7	2,554.31	7	2,942.34	7	3,330.37	7	3,718.40
1/4	234.83	1/4	622.73	1/4	1,010.29	1/4	1,398.32	1/4	1,786.34	1/4	2,174.37	1/4	2,562.40	1/4	2,950.43	1/4	3,338.45	1/4	3,726.48
1/2	242.91	1/2	630.80	1/2	1,018.37	1/2	1,406.40	1/2	1,794.43	1/2	2,182.45	1/2	2,570.48	1/2	2,958.51	1/2	3,346.54	1/2	3,734.56
3/4	251.00	3/4	638.87	3/4	1,026.46	3/4	1,414.48	3/4	1,802.51	3/4	2,190.54	3/4	2,578.57	3/4	2,966.59	3/4	3,354.62	3/4	3,742.65
8	259.08	8	646.94	8	1,034.54	8	1,422.57	8	1,810.60	8	2,198.62	8	2,586.65	8	2,974.68	8	3,362.70	8	3,750.73
1/4	267.16	1/4	655.00	1/4	1,042.63	1/4	1,430.65	1/4	1,818.68	1/4	2,206.71	1/4	2,594.73	1/4	2,982.76	1/4	3,370.79	1/4	3,758.82
1/2	275.25	1/2	663.07	1/2	1,050.71	1/2	1,438.74	1/2	1,826.76	1/2	2,214.79	1/2	2,602.82	1/2	2,990.84	1/2	3,378.87	1/2	3,766.90
3/4	283.33	3/4	671.14	3/4	1,058.79	3/4	1,446.82	3/4	1,834.85	3/4	2,222.87	3/4	2,610.90	3/4	2,998.93	3/4	3,386.96	3/4	3,774.98
9	291.42	9	679.20	9	1,066.88	9	1,454.90	9	1,842.93	9	2,230.96	9	2,618.99	9	3,007.01	9	3,395.04	9	3,783.07
1/4	299.50	1/4	687.27	1/4	1,074.96	1/4	1,462.99	1/4	1,851.02	1/4	2,239.04	1/4	2,627.07	1/4	3,015.10	1/4	3,403.12	1/4	3,791.15
1/2	307.58	1/2	695.34	1/2	1,083.04	1/2	1,471.07	1/2	1,859.10	1/2	2,247.13	1/2	2,635.15	1/2	3,023.18	1/2	3,411.21	1/2	3,799.23
3/4	315.67	3/4	703.41	3/4	1,091.13	3/4	1,479.16	3/4	1,867.18	3/4	2,255.21	3/4	2,643.24	3/4	3,031.26	3/4	3,419.29	3/4	3,807.32
10	323.75	10	711.47	10	1,099.21	10	1,487.24	10	1,875.27	10	2,263.29	10	2,651.32	10	3,039.35	10	3,427.38	10	3,815.40
1/4	331.83	1/4	719.54	1/4	1,107.30	1/4	1,495.32	1/4	1,883.35	1/4	2,271.38	1/4	2,659.41	1/4	3,047.43	1/4	3,435.46	1/4	3,823.47
1/2	339.92	1/2	727.61	1/2	1,115.38	1/2	1,503.41	1/2	1,891.43	1/2	2,279.46	1/2	2,667.49	1/2	3,055.52	1/2	3,443.54	1/2	3,831.54
3/4	348.00	3/4	735.68	3/4	1,123.46	3/4	1,511.49	3/4	1,899.52	3/4	2,287.55	3/4	2,675.57	3/4	3,063.60	3/4	3,451.63	3/4	3,839.60
11	356.09	11	743.75	11	1,131.55	11	1,519.58	11	1,907.60	11	2,295.63	11	2,683.66	11	3,071.68	11	3,459.71	11	3,847.67
1/4	364.17	1/4	751.81	1/4	1,139.63	1/4	1,527.66	1/4	1,915.69	1/4	2,303.71	1/4	2,691.74	1/4	3,079.77	1/4	3,467.80	1/4	3,855.70
1/2	372.25	1/2	759.88	1/2	1,147.72	1/2	1,535.74	1/2	1,923.77	1/2	2,311.80	1/2	2,699.82	1/2	3,087.85	1/2	3,475.88	1/2	3,863.73
3/4	380.34	3/4	767.95	3/4	1,155.80	3/4	1,543.83	3/4	1,931.85	3/4	2,319.88	3/4	2,707.91	3/4	3,095.94	3/4	3,483.96	3/4	3,871.76

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 51'-00" 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 354"

## 2 STBD INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 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	3,879.78	0	4,252.11	0	4,600.23	0	4,921.28	0		0		0		0		0		0	
1/4	3,887.77	1/4	4,259.59	1/4	4,607.18	1/4	4,927.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,895.75	1/2	4,267.07	1/2	4,614.12	1/2	4,933.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,903.73	3/4	4,274.54	3/4	4,621.07	3/4	4,939.26	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,911.71	1	4,282.02	1	4,628.02	1	4,945.25	1		1		1		1		1		1	
1/4	3,919.66	1/4	4,289.48	1/4	4,634.93	1/4	4,951.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,927.60	1/2	4,296.93	1/2	4,641.84	1/2	4,957.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,935.54	3/4	4,304.38	3/4	4,648.75	3/4	4,963.12	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,943.49	2	4,311.83	2	4,655.66	2	4,969.08	2		2		2		2		2		2	
1/4	3,951.40	1/4	4,319.24	1/4	4,662.52	1/4	4,974.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,959.31	1/2	4,326.65	1/2	4,669.38	1/2	4,980.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,967.22	3/4	4,334.05	3/4	4,676.24	3/4	4,986.80	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,975.13	3	4,341.46	3	4,683.11	3	4,992.70	3		3		3		3		3		3	
1/4	3,982.99	1/4	4,348.83	1/4	4,689.93	1/4	4,998.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,990.86	1/2	4,356.20	1/2	4,696.76	1/2	5,004.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,998.72	3/4	4,363.57	3/4	4,703.58	3/4	5,010.32	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,006.58	4	4,370.94	4	4,710.41	4	5,016.19	4		4		4		4		4		4	
1/4	4,014.40	1/4	4,378.27	1/4	4,717.19	1/4	5,023.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,022.23	1/2	4,385.61	1/2	4,723.97	1/2	5,031.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,030.05	3/4	4,392.94	3/4	4,730.75	3/4	5,038.90	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,037.88	5	4,400.28	5	4,737.53	5	5,046.46	5		5		5		5		5		5	
1/4	4,045.66	1/4	4,407.56	1/4	4,744.28	1/4	5,054.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,053.43	1/2	4,414.85	1/2	4,751.03	1/2	5,061.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,061.21	3/4	4,422.14	3/4	4,757.78	3/4	5,069.17	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,068.99	6	4,429.42	6	4,764.54	6	5,076.74	6		6		6		6		6		6	
1/4	4,076.73	1/4	4,436.67	1/4	4,771.26	1/4	5,084.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,084.47	1/2	4,443.92	1/2	4,777.98	1/2	5,091.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,092.21	3/4	4,451.17	3/4	4,784.70	3/4	5,099.45	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,099.95	7	4,458.42	7	4,791.42	7	5,107.01	7		7		7		7		7		7	
1/4	4,107.64	1/4	4,465.62	1/4	4,798.09	1/4	5,114.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,115.34	1/2	4,472.82	1/2	4,804.76	1/2	5,122.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,123.03	3/4	4,480.03	3/4	4,811.43	3/4	5,129.84	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,130.72	8	4,487.23	8	4,818.10	8	5,137.45	8		8		8		8		8		8	
1/4	4,138.37	1/4	4,494.35	1/4	4,824.73	1/4	5,145.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,146.02	1/2	4,501.48	1/2	4,831.36	1/2	5,152.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,153.66	3/4	4,508.60	3/4	4,838.00	3/4	5,160.28	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,161.31	9	4,515.72	9	4,844.63	9	5,167.89	9		9		9		9		9		9	
1/4	4,168.92	1/4	4,522.80	1/4	4,851.22	1/4	5,175.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,176.53	1/2	4,529.88	1/2	4,857.80	1/2	5,183.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,184.14	3/4	4,536.96	3/4	4,864.39	3/4	5,190.72	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,191.76	10	4,544.04	10	4,870.98	10	5,198.32	10		10		10		10		10		10	
1/4	4,199.32	1/4	4,551.08	1/4	4,877.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,206.88	1/2	4,558.12	1/2	4,884.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,214.44	3/4	4,565.16	3/4	4,890.62	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,222.00	11	4,572.20	11	4,897.17	11		11		11		11		11		11		11	
1/4	4,229.53	1/4	4,579.21	1/4	4,903.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,237.06	1/2	4,586.22	1/2	4,909.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,244.58	3/4	4,593.22	3/4	4,915.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/14/2014 SW  
CALCULATED: 03/15/2014 CL  
PRINTED: 03/15/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2014

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



# BARGE "CTCo 354"

## 3 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.44	0	361.32	0	712.05	0	1,068.73	0	1,429.39	0	1,789.31	0	2,149.85	0	2,510.67	0	2,871.11	0	3,231.15
1/4	20.14	1/4	368.84	1/4	719.27	1/4	1,076.25	1/4	1,436.91	1/4	1,796.81	1/4	2,157.37	1/4	2,518.19	1/4	2,878.62	1/4	3,238.65
1/2	24.84	1/2	376.36	1/2	726.49	1/2	1,083.76	1/2	1,444.42	1/2	1,804.30	1/2	2,164.88	1/2	2,525.70	1/2	2,886.13	1/2	3,246.15
3/4	29.54	3/4	383.88	3/4	733.70	3/4	1,091.27	3/4	1,451.94	3/4	1,811.79	3/4	2,172.40	3/4	2,533.22	3/4	2,893.64	3/4	3,253.64
1	34.24	1	391.40	1	740.92	1	1,098.79	1	1,459.45	1	1,819.29	1	2,179.92	1	2,540.74	1	2,901.15	1	3,261.14
1/4	40.82	1/4	398.92	1/4	748.15	1/4	1,106.30	1/4	1,466.96	1/4	1,826.78	1/4	2,187.43	1/4	2,548.25	1/4	2,908.65	1/4	3,268.65
1/2	47.40	1/2	406.44	1/2	755.38	1/2	1,113.81	1/2	1,474.48	1/2	1,834.27	1/2	2,194.95	1/2	2,555.77	1/2	2,916.16	1/2	3,276.15
3/4	53.98	3/4	413.96	3/4	762.61	3/4	1,121.33	3/4	1,481.99	3/4	1,841.77	3/4	2,202.47	3/4	2,563.29	3/4	2,923.67	3/4	3,283.66
2	60.56	2	421.48	2	769.83	2	1,128.84	2	1,489.50	2	1,849.26	2	2,209.99	2	2,570.81	2	2,931.18	2	3,291.17
1/4	68.08	1/4	429.00	1/4	777.07	1/4	1,136.36	1/4	1,497.02	1/4	1,856.75	1/4	2,217.50	1/4	2,578.31	1/4	2,938.68	1/4	3,298.67
1/2	75.59	1/2	436.52	1/2	784.30	1/2	1,143.87	1/2	1,504.53	1/2	1,864.25	1/2	2,225.02	1/2	2,585.82	1/2	2,946.19	1/2	3,306.18
3/4	83.11	3/4	444.04	3/4	791.54	3/4	1,151.38	3/4	1,512.05	3/4	1,871.74	3/4	2,232.54	3/4	2,593.33	3/4	2,953.70	3/4	3,313.69
3	90.63	3	451.55	3	798.77	3	1,158.90	3	1,519.56	3	1,879.23	3	2,240.05	3	2,600.84	3	2,961.21	3	3,321.19
1/4	98.15	1/4	458.92	1/4	806.15	1/4	1,166.41	1/4	1,527.05	1/4	1,886.75	1/4	2,247.57	1/4	2,608.34	1/4	2,968.71	1/4	3,327.71
1/2	105.67	1/2	466.29	1/2	813.53	1/2	1,173.92	1/2	1,534.55	1/2	1,894.27	1/2	2,255.09	1/2	2,615.85	1/2	2,976.22	1/2	3,334.24
3/4	113.19	3/4	473.66	3/4	820.91	3/4	1,181.44	3/4	1,542.04	3/4	1,901.78	3/4	2,262.61	3/4	2,623.36	3/4	2,983.73	3/4	3,340.76
4	120.71	4	481.03	4	828.29	4	1,188.95	4	1,549.53	4	1,909.30	4	2,270.12	4	2,630.87	4	2,991.24	4	3,347.28
1/4	128.23	1/4	488.26	1/4	835.80	1/4	1,196.47	1/4	1,557.03	1/4	1,916.82	1/4	2,277.64	1/4	2,638.38	1/4	2,998.73	1/4	3,352.81
1/2	135.75	1/2	495.49	1/2	843.32	1/2	1,203.98	1/2	1,564.52	1/2	1,924.34	1/2	2,285.16	1/2	2,645.88	1/2	3,006.23	1/2	3,358.34
3/4	143.27	3/4	502.73	3/4	850.83	3/4	1,211.49	3/4	1,572.01	3/4	1,931.85	3/4	2,292.67	3/4	2,653.39	3/4	3,013.73	3/4	3,363.88
5	150.79	5	509.96	5	858.35	5	1,219.01	5	1,579.51	5	1,939.37	5	2,300.19	5	2,660.90	5	3,021.23	5	3,369.41
1/4	158.31	1/4	517.18	1/4	865.86	1/4	1,226.52	1/4	1,587.00	1/4	1,946.89	1/4	2,307.71	1/4	2,668.41	1/4	3,028.72	1/4	3,374.94
1/2	165.83	1/2	524.41	1/2	873.37	1/2	1,234.04	1/2	1,594.49	1/2	1,954.40	1/2	2,315.22	1/2	2,675.91	1/2	3,036.22	1/2	3,380.48
3/4	173.34	3/4	531.63	3/4	880.89	3/4	1,241.55	3/4	1,601.98	3/4	1,961.92	3/4	2,322.74	3/4	2,683.42	3/4	3,043.72	3/4	3,386.01
6	180.86	6	538.85	6	888.40	6	1,249.06	6	1,609.48	6	1,969.44	6	2,330.26	6	2,690.93	6	3,051.22	6	3,391.54
1/4	188.38	1/4	546.07	1/4	895.91	1/4	1,256.58	1/4	1,616.97	1/4	1,976.96	1/4	2,337.78	1/4	2,698.44	1/4	3,058.71	1/4	3,397.07
1/2	195.90	1/2	553.29	1/2	903.43	1/2	1,264.09	1/2	1,624.46	1/2	1,984.47	1/2	2,345.29	1/2	2,705.94	1/2	3,066.21	1/2	3,402.61
3/4	203.42	3/4	560.51	3/4	910.94	3/4	1,271.60	3/4	1,631.96	3/4	1,991.99	3/4	2,352.81	3/4	2,713.45	3/4	3,073.71	3/4	3,408.14
7	210.94	7	567.72	7	918.46	7	1,279.12	7	1,639.45	7	1,999.51	7	2,360.33	7	2,720.96	7	3,081.21	7	3,413.67
1/4	218.46	1/4	574.94	1/4	925.97	1/4	1,286.63	1/4	1,646.94	1/4	2,007.02	1/4	2,367.84	1/4	2,728.47	1/4	3,088.70	1/4	3,419.22
1/2	225.98	1/2	582.16	1/2	933.48	1/2	1,294.15	1/2	1,654.44	1/2	2,014.54	1/2	2,375.36	1/2	2,735.98	1/2	3,096.20	1/2	3,424.76
3/4	233.50	3/4	589.37	3/4	941.00	3/4	1,301.66	3/4	1,661.93	3/4	2,022.06	3/4	2,382.88	3/4	2,743.48	3/4	3,103.70	3/4	3,430.30
8	241.02	8	596.59	8	948.51	8	1,309.17	8	1,669.42	8	2,029.58	8	2,390.40	8	2,750.99	8	3,111.19	8	3,435.85
1/4	248.54	1/4	603.81	1/4	956.02	1/4	1,316.69	1/4	1,676.92	1/4	2,037.09	1/4	2,397.91	1/4	2,758.50	1/4	3,118.69	1/4	3,441.39
1/2	256.06	1/2	611.02	1/2	963.54	1/2	1,324.20	1/2	1,684.41	1/2	2,044.61	1/2	2,405.43	1/2	2,766.01	1/2	3,126.19	1/2	3,446.93
3/4	263.57	3/4	618.24	3/4	971.05	3/4	1,331.71	3/4	1,691.90	3/4	2,052.13	3/4	2,412.95	3/4	2,773.51	3/4	3,133.69	3/4	3,452.48
9	271.09	9	625.45	9	978.57	9	1,339.23	9	1,699.40	9	2,059.64	9	2,420.46	9	2,781.02	9	3,141.18	9	3,458.02
1/4	278.61	1/4	632.67	1/4	986.08	1/4	1,346.74	1/4	1,706.89	1/4	2,067.16	1/4	2,427.98	1/4	2,788.53	1/4	3,148.68	1/4	3,463.56
1/2	286.13	1/2	639.89	1/2	993.59	1/2	1,354.26	1/2	1,714.38	1/2	2,074.68	1/2	2,435.50	1/2	2,796.04	1/2	3,156.18	1/2	3,469.10
3/4	293.65	3/4	647.10	3/4	1,001.11	3/4	1,361.77	3/4	1,721.88	3/4	2,082.19	3/4	2,443.02	3/4	2,803.55	3/4	3,163.68	3/4	3,474.65
10	301.17	10	654.32	10	1,008.62	10	1,369.28	10	1,729.37	10	2,089.71	10	2,450.53	10	2,811.05	10	3,171.17	10	3,480.19
1/4	308.69	1/4	661.53	1/4	1,016.13	1/4	1,376.80	1/4	1,736.86	1/4	2,097.23	1/4	2,458.05	1/4	2,818.56	1/4	3,178.67	1/4	3,485.72
1/2	316.21	1/2	668.75	1/2	1,023.65	1/2	1,384.31	1/2	1,744.36	1/2	2,104.75	1/2	2,465.57	1/2	2,826.07	1/2	3,186.17	1/2	3,491.24
3/4	323.73	3/4	675.97	3/4	1,031.16	3/4	1,391.82	3/4	1,751.85	3/4	2,112.26	3/4	2,473.08	3/4	2,833.58	3/4	3,193.66	3/4	3,496.77
11	331.25	11	683.19	11	1,038.68	11	1,399.34	11	1,759.34	11	2,119.78	11	2,480.60	11	2,841.08	11	3,201.16	11	3,502.29
1/4	338.77	1/4	690.40	1/4	1,046.19	1/4	1,406.85	1/4	1,766.84	1/4	2,127.30	1/4	2,488.12	1/4	2,848.59	1/4	3,208.66	1/4	3,507.78
1/2	346.29	1/2	697.62	1/2	1,053.70	1/2	1,414.37	1/2	1,774.33	1/2	2,134.81	1/2	2,495.64	1/2	2,856.10	1/2	3,216.16	1/2	3,513.27
3/4	353.81	3/4	704.84	3/4	1,061.22	3/4	1,421.88	3/4	1,781.82	3/4	2,142.33	3/4	2,503.15	3/4	2,863.61	3/4	3,223.65	3/4	3,518.76

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 TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CTCo 354"

## 3 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,524.25	0	3,774.76	0	4,002.21	0	4,206.61	0		0		0		0		0		0	
1/4	3,529.70	1/4	3,779.71	1/4	4,006.68	1/4	4,210.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,535.15	1/2	3,784.66	1/2	4,011.14	1/2	4,214.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,540.59	3/4	3,789.60	3/4	4,015.60	3/4	4,218.65	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,546.04	1	3,794.55	1	4,020.06	1	4,222.66	1		1		1		1		1		1	
1/4	3,551.45	1/4	3,799.47	1/4	4,024.49	1/4	4,226.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,556.86	1/2	3,804.39	1/2	4,028.92	1/2	4,230.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,562.28	3/4	3,809.31	3/4	4,033.35	3/4	4,234.61	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,567.69	2	3,814.24	2	4,037.78	2	4,238.59	2		2		2		2		2		2	
1/4	3,573.07	1/4	3,819.11	1/4	4,042.16	1/4	4,242.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,578.45	1/2	3,823.99	1/2	4,046.55	1/2	4,246.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,583.83	3/4	3,828.87	3/4	4,050.93	3/4	4,250.40	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,589.22	3	3,833.75	3	4,055.32	3	4,254.33	3		3		3		3		3		3	
1/4	3,594.55	1/4	3,838.59	1/4	4,059.67	1/4	4,258.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,599.89	1/2	3,843.44	1/2	4,064.02	1/2	4,262.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,605.22	3/4	3,848.28	3/4	4,068.37	3/4	4,266.04	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,610.56	4	3,853.12	4	4,072.72	4	4,269.94	4		4		4		4		4		4	
1/4	3,615.86	1/4	3,857.94	1/4	4,077.03	1/4	4,275.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,621.16	1/2	3,862.75	1/2	4,081.33	1/2	4,280.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,626.46	3/4	3,867.56	3/4	4,085.64	3/4	4,286.38	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,631.76	5	3,872.37	5	4,089.95	5	4,291.86	5		5		5		5		5		5	
1/4	3,636.98	1/4	3,877.14	1/4	4,094.23	1/4	4,297.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,642.21	1/2	3,881.90	1/2	4,098.51	1/2	4,302.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,647.43	3/4	3,886.67	3/4	4,102.79	3/4	4,308.30	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,652.65	6	3,891.44	6	4,107.07	6	4,313.78	6		6		6		6		6		6	
1/4	3,657.84	1/4	3,896.17	1/4	4,111.32	1/4	4,319.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,663.03	1/2	3,900.90	1/2	4,115.57	1/2	4,324.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,668.22	3/4	3,905.63	3/4	4,119.82	3/4	4,330.22	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,673.41	7	3,910.37	7	4,124.07	7	4,335.70	7		7		7		7		7		7	
1/4	3,678.55	1/4	3,915.06	1/4	4,128.27	1/4	4,341.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,683.70	1/2	3,919.74	1/2	4,132.47	1/2	4,346.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,688.85	3/4	3,924.43	3/4	4,136.68	3/4	4,352.23	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,693.99	8	3,929.12	8	4,140.88	8	4,357.74	8		8		8		8		8		8	
1/4	3,699.09	1/4	3,933.75	1/4	4,145.05	1/4	4,363.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,704.20	1/2	3,938.37	1/2	4,149.22	1/2	4,368.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,709.30	3/4	3,943.00	3/4	4,153.39	3/4	4,374.26	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,714.40	9	3,947.62	9	4,157.56	9	4,379.77	9		9		9		9		9		9	
1/4	3,719.47	1/4	3,952.20	1/4	4,161.68	1/4	4,386.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,724.55	1/2	3,956.79	1/2	4,165.81	1/2	4,392.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,729.62	3/4	3,961.37	3/4	4,169.93	3/4	4,399.26	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,734.69	10	3,965.95	10	4,174.06	10	4,405.75	10		10		10		10		10		10	
1/4	3,739.72	1/4	3,970.50	1/4	4,178.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,744.74	1/2	3,975.05	1/2	4,182.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,749.77	3/4	3,979.60	3/4	4,186.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,754.79	11	3,984.14	11	4,190.42	11		11		11		11		11		11		11	
1/4	3,759.78	1/4	3,988.66	1/4	4,194.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,764.78	1/2	3,993.18	1/2	4,198.52	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,769.77	3/4	3,997.70	3/4	4,202.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/14/2014 SW  
CALCULATED: 03/15/2014 CL  
PRINTED: 03/15/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2014

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



# BARGE "CTCo 354"

## 3 STBD

### INNAGE TABLE

### HERMETIC

#### GAUGE HEIGHT 14'-10"

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	15.45	0	360.76	0	712.08	0	1,068.70	0	1,429.00	0	1,786.57	0	2,146.88	0	2,506.71	0	2,866.82	0	3,227.00
1/4	20.15	1/4	368.27	1/4	719.32	1/4	1,076.21	1/4	1,436.45	1/4	1,794.07	1/4	2,154.38	1/4	2,514.20	1/4	2,874.32	1/4	3,234.51
1/2	24.85	1/2	375.77	1/2	726.56	1/2	1,083.71	1/2	1,443.90	1/2	1,801.58	1/2	2,161.89	1/2	2,521.69	1/2	2,881.82	1/2	3,242.01
3/4	29.55	3/4	383.28	3/4	733.80	3/4	1,091.22	3/4	1,451.35	3/4	1,809.09	3/4	2,169.39	3/4	2,529.18	3/4	2,889.33	3/4	3,249.52
1	34.25	1	390.79	1	741.04	1	1,098.72	1	1,458.80	1	1,816.59	1	2,176.90	1	2,536.67	1	2,896.83	1	3,257.02
1/4	40.81	1/4	398.29	1/4	748.27	1/4	1,106.23	1/4	1,466.25	1/4	1,824.10	1/4	2,184.41	1/4	2,544.17	1/4	2,904.33	1/4	3,264.53
1/2	47.38	1/2	405.80	1/2	755.51	1/2	1,113.74	1/2	1,473.70	1/2	1,831.61	1/2	2,191.91	1/2	2,551.68	1/2	2,911.84	1/2	3,272.04
3/4	53.95	3/4	413.30	3/4	762.75	3/4	1,121.24	3/4	1,481.15	3/4	1,839.11	3/4	2,199.42	3/4	2,559.18	3/4	2,919.34	3/4	3,279.54
2	60.52	2	420.81	2	769.99	2	1,128.75	2	1,488.60	2	1,846.62	2	2,206.93	2	2,566.68	2	2,926.84	2	3,287.05
1/4	68.02	1/4	428.32	1/4	777.24	1/4	1,136.26	1/4	1,496.05	1/4	1,854.13	1/4	2,214.43	1/4	2,574.19	1/4	2,934.35	1/4	3,294.56
1/2	75.53	1/2	435.82	1/2	784.48	1/2	1,143.76	1/2	1,503.49	1/2	1,861.63	1/2	2,221.94	1/2	2,581.69	1/2	2,941.85	1/2	3,302.06
3/4	83.04	3/4	443.33	3/4	791.73	3/4	1,151.27	3/4	1,510.94	3/4	1,869.14	3/4	2,229.45	3/4	2,589.19	3/4	2,949.35	3/4	3,309.57
3	90.54	3	450.83	3	798.98	3	1,158.78	3	1,518.39	3	1,876.65	3	2,236.95	3	2,596.70	3	2,956.86	3	3,317.08
1/4	98.05	1/4	458.21	1/4	806.36	1/4	1,166.28	1/4	1,525.84	1/4	1,884.15	1/4	2,244.46	1/4	2,604.20	1/4	2,964.36	1/4	3,323.61
1/2	105.55	1/2	465.59	1/2	813.74	1/2	1,173.79	1/2	1,533.29	1/2	1,891.66	1/2	2,251.97	1/2	2,611.70	1/2	2,971.86	1/2	3,330.14
3/4	113.06	3/4	472.97	3/4	821.12	3/4	1,181.29	3/4	1,540.74	3/4	1,899.16	3/4	2,259.47	3/4	2,619.21	3/4	2,979.37	3/4	3,336.67
4	120.57	4	480.35	4	828.50	4	1,188.80	4	1,548.19	4	1,906.67	4	2,266.98	4	2,626.71	4	2,986.87	4	3,343.20
1/4	128.07	1/4	487.61	1/4	836.00	1/4	1,196.31	1/4	1,555.64	1/4	1,914.18	1/4	2,274.48	1/4	2,634.21	1/4	2,994.37	1/4	3,348.74
1/2	135.58	1/2	494.86	1/2	843.51	1/2	1,203.81	1/2	1,563.09	1/2	1,921.68	1/2	2,281.99	1/2	2,641.72	1/2	3,001.88	1/2	3,354.28
3/4	143.08	3/4	502.12	3/4	851.02	3/4	1,211.32	3/4	1,570.54	3/4	1,929.19	3/4	2,289.50	3/4	2,649.22	3/4	3,009.38	3/4	3,359.82
5	150.59	5	509.37	5	858.52	5	1,218.83	5	1,577.99	5	1,936.70	5	2,297.00	5	2,656.72	5	3,016.88	5	3,365.37
1/4	158.10	1/4	516.62	1/4	866.03	1/4	1,226.33	1/4	1,585.44	1/4	1,944.20	1/4	2,304.49	1/4	2,664.23	1/4	3,024.39	1/4	3,370.91
1/2	165.60	1/2	523.86	1/2	873.54	1/2	1,233.84	1/2	1,592.89	1/2	1,951.71	1/2	2,311.98	1/2	2,671.73	1/2	3,031.89	1/2	3,376.45
3/4	173.11	3/4	531.11	3/4	881.04	3/4	1,241.34	3/4	1,600.34	3/4	1,959.22	3/4	2,319.47	3/4	2,679.23	3/4	3,039.39	3/4	3,381.99
6	180.61	6	538.35	6	888.55	6	1,248.85	6	1,607.79	6	1,966.72	6	2,326.96	6	2,686.74	6	3,046.90	6	3,387.54
1/4	188.12	1/4	545.59	1/4	896.05	1/4	1,256.36	1/4	1,615.23	1/4	1,974.23	1/4	2,334.45	1/4	2,694.24	1/4	3,054.40	1/4	3,393.08
1/2	195.63	1/2	552.83	1/2	903.56	1/2	1,263.86	1/2	1,622.68	1/2	1,981.73	1/2	2,341.94	1/2	2,701.74	1/2	3,061.90	1/2	3,398.62
3/4	203.13	3/4	560.07	3/4	911.07	3/4	1,271.37	3/4	1,630.13	3/4	1,989.24	3/4	2,349.43	3/4	2,709.25	3/4	3,069.40	3/4	3,404.16
7	210.64	7	567.31	7	918.57	7	1,278.88	7	1,637.58	7	1,996.75	7	2,356.92	7	2,716.75	7	3,076.91	7	3,409.71
1/4	218.15	1/4	574.55	1/4	926.08	1/4	1,286.38	1/4	1,645.03	1/4	2,004.25	1/4	2,364.41	1/4	2,724.25	1/4	3,084.41	1/4	3,415.25
1/2	225.65	1/2	581.79	1/2	933.59	1/2	1,293.89	1/2	1,652.48	1/2	2,011.76	1/2	2,371.90	1/2	2,731.76	1/2	3,091.91	1/2	3,420.79
3/4	233.16	3/4	589.03	3/4	941.09	3/4	1,301.39	3/4	1,659.93	3/4	2,019.27	3/4	2,379.39	3/4	2,739.26	3/4	3,099.42	3/4	3,426.33
8	240.66	8	596.27	8	948.60	8	1,308.90	8	1,667.38	8	2,026.77	8	2,386.88	8	2,746.76	8	3,106.92	8	3,431.87
1/4	248.17	1/4	603.50	1/4	956.10	1/4	1,316.41	1/4	1,674.83	1/4	2,034.28	1/4	2,394.37	1/4	2,754.27	1/4	3,114.42	1/4	3,437.42
1/2	255.68	1/2	610.74	1/2	963.61	1/2	1,323.91	1/2	1,682.28	1/2	2,041.79	1/2	2,401.86	1/2	2,761.77	1/2	3,121.93	1/2	3,442.96
3/4	263.18	3/4	617.98	3/4	971.12	3/4	1,331.42	3/4	1,689.73	3/4	2,049.29	3/4	2,409.35	3/4	2,769.27	3/4	3,129.43	3/4	3,448.50
9	270.69	9	625.22	9	978.62	9	1,338.93	9	1,697.18	9	2,056.80	9	2,416.84	9	2,776.78	9	3,136.93	9	3,454.04
1/4	278.19	1/4	632.46	1/4	986.13	1/4	1,346.43	1/4	1,704.63	1/4	2,064.31	1/4	2,424.33	1/4	2,784.28	1/4	3,144.44	1/4	3,459.59
1/2	285.70	1/2	639.69	1/2	993.64	1/2	1,353.94	1/2	1,712.08	1/2	2,071.81	1/2	2,431.82	1/2	2,791.78	1/2	3,151.94	1/2	3,465.13
3/4	293.21	3/4	646.93	3/4	1,001.14	3/4	1,361.45	3/4	1,719.52	3/4	2,079.32	3/4	2,439.31	3/4	2,799.29	3/4	3,159.44	3/4	3,470.67
10	300.71	10	654.17	10	1,008.65	10	1,368.95	10	1,726.97	10	2,086.82	10	2,446.80	10	2,806.79	10	3,166.95	10	3,476.21
1/4	308.22	1/4	661.41	1/4	1,016.16	1/4	1,376.46	1/4	1,734.42	1/4	2,094.33	1/4	2,454.29	1/4	2,814.29	1/4	3,174.45	1/4	3,481.74
1/2	315.72	1/2	668.65	1/2	1,023.66	1/2	1,383.96	1/2	1,741.87	1/2	2,101.84	1/2	2,461.77	1/2	2,821.80	1/2	3,181.96	1/2	3,487.26
3/4	323.23	3/4	675.89	3/4	1,031.17	3/4	1,391.47	3/4	1,749.32	3/4	2,109.34	3/4	2,469.26	3/4	2,829.30	3/4	3,189.47	3/4	3,492.79
11	330.74	11	683.12	11	1,038.67	11	1,398.98	11	1,756.77	11	2,116.85	11	2,476.75	11	2,836.80	11	3,196.97	11	3,498.31
1/4	338.24	1/4	690.36	1/4	1,046.18	1/4	1,406.48	1/4	1,764.22	1/4	2,124.36	1/4	2,484.24	1/4	2,844.31	1/4	3,204.48	1/4	3,503.80
1/2	345.75	1/2	697.60	1/2	1,053.69	1/2	1,413.99	1/2	1,771.67	1/2	2,131.86	1/2	2,491.73	1/2	2,851.81	1/2	3,211.99	1/2	3,509.29
3/4	353.26	3/4	704.84	3/4	1,061.19	3/4	1,421.50	3/4	1,779.12	3/4	2,139.37	3/4	2,499.22	3/4	2,859.31	3/4	3,219.49	3/4	3,514.78

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CTCo 354"

## 3 STBD INNAGE TABLE HERMETIC

GAUGE HEIGHT 14'-10"

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	3,520.27	0	3,771.88	0	4,001.47	0	4,209.04	0		0		0		0		0		0	
1/4	3,525.72	1/4	3,776.87	1/4	4,006.00	1/4	4,213.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,531.17	1/2	3,781.86	1/2	4,010.54	1/2	4,217.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,536.62	3/4	3,786.85	3/4	4,015.07	3/4	4,221.27	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,542.06	1	3,791.84	1	4,019.60	1	4,225.35	1		1		1		1		1		1	
1/4	3,547.48	1/4	3,796.79	1/4	4,024.10	1/4	4,229.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,552.89	1/2	3,801.75	1/2	4,028.60	1/2	4,233.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,558.30	3/4	3,806.71	3/4	4,033.10	3/4	4,237.48	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,563.71	2	3,811.66	2	4,037.60	2	4,241.53	2		2		2		2		2		2	
1/4	3,569.10	1/4	3,816.57	1/4	4,042.06	1/4	4,245.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,574.48	1/2	3,821.49	1/2	4,046.51	1/2	4,249.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,579.86	3/4	3,826.40	3/4	4,050.97	3/4	4,253.52	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,585.24	3	3,831.31	3	4,055.42	3	4,257.52	3		3		3		3		3		3	
1/4	3,590.58	1/4	3,836.19	1/4	4,059.84	1/4	4,261.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,595.91	1/2	3,841.07	1/2	4,064.26	1/2	4,265.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,601.25	3/4	3,845.95	3/4	4,068.69	3/4	4,269.42	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,606.58	4	3,850.82	4	4,073.11	4	4,273.38	4		4		4		4		4		4	
1/4	3,611.88	1/4	3,855.67	1/4	4,077.48	1/4	4,278.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,617.18	1/2	3,860.52	1/2	4,081.86	1/2	4,284.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,622.49	3/4	3,865.37	3/4	4,086.24	3/4	4,290.01	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,627.79	5	3,870.21	5	4,090.62	5	4,295.55	5		5		5		5		5		5	
1/4	3,633.05	1/4	3,875.01	1/4	4,094.96	1/4	4,301.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,638.30	1/2	3,879.81	1/2	4,099.30	1/2	4,306.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,643.56	3/4	3,884.61	3/4	4,103.65	3/4	4,312.18	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,648.82	6	3,889.41	6	4,107.99	6	4,317.72	6		6		6		6		6		6	
1/4	3,654.04	1/4	3,894.18	1/4	4,112.30	1/4	4,323.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,659.26	1/2	3,898.95	1/2	4,116.62	1/2	4,328.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,664.49	3/4	3,903.71	3/4	4,120.93	3/4	4,334.35	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,669.71	7	3,908.48	7	4,125.24	7	4,339.89	7		7		7		7		7		7	
1/4	3,674.89	1/4	3,913.20	1/4	4,129.51	1/4	4,345.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,680.07	1/2	3,917.93	1/2	4,133.77	1/2	4,350.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.25	3/4	3,922.65	3/4	4,138.04	3/4	4,356.52	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,690.43	8	3,927.37	8	4,142.30	8	4,362.06	8		8		8		8		8		8	
1/4	3,695.58	1/4	3,932.06	1/4	4,146.54	1/4	4,367.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,700.72	1/2	3,936.75	1/2	4,150.77	1/2	4,373.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,705.87	3/4	3,941.44	3/4	4,155.00	3/4	4,378.68	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,711.01	9	3,946.13	9	4,159.23	9	4,384.23	9		9		9		9		9		9	
1/4	3,716.13	1/4	3,950.77	1/4	4,163.42	1/4	4,390.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,721.24	1/2	3,955.42	1/2	4,167.61	1/2	4,397.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,726.35	3/4	3,960.06	3/4	4,171.80	3/4	4,403.82	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,731.47	10	3,964.71	10	4,175.99	10	4,410.35	10		10		10		10		10		10	
1/4	3,736.54	1/4	3,969.32	1/4	4,180.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,741.60	1/2	3,973.93	1/2	4,184.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,746.67	3/4	3,978.54	3/4	4,188.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,751.74	11	3,983.15	11	4,192.60	11		11		11		11		11		11		11	
1/4	3,756.77	1/4	3,987.73	1/4	4,196.71	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,761.81	1/2	3,992.31	1/2	4,200.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,766.84	3/4	3,996.89	3/4	4,204.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/14/2014 SW  
CALCULATED: 03/15/2014 CL  
PRINTED: 03/15/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2014

PRECISION MEASUREMENT  
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