

# Strapping Table

## Customer Name - Location

Version 2.00  
CD4882

**INNAGE**  
Gallons



Year Tank Built	Unknown	Bottom Type	Cone Up	Gauge Datum	3.000" Above Bottom
Manufacturer	Unknown	Critical Zone	0' - 0" to 0' - 4"	Height	40' - 0"
Year Modified	2006	Floating Roof Wgt	2,947	Location	Lip of Hatch
Nom Capacity		Basis	Calculated	Strapped/By	2006-12-04 Sanchez/Martinez
Diameter	42.50 Feet	Critical Zone - LL	3' - 11" to 4' - 7"	Prepared/Reviewed	G Powers S Caruthers
Height	40.00 Feet	Critical Zone - HL	6' - 2" to 6' - 9"	Computed/Revised	2006-12-08

Fractions - 1/16		Inches
1/16	55.30	497.70
1/8	110.60	553.00
3/16	165.90	608.30
1/4	221.20	663.60
5/16	276.50	718.90
3/8	331.80	774.20
7/16	387.10	829.50
1/2	442.40	884.80

Strapping and calculations comply with API MPMS 2.2. Liquid head stress applied using 30.5° API @ 60° F. Table based on a shell temperature of 60° F. A total of 405.1 Gallons has been deducted from this table between 4' - 1" and 4' - 5" for floating roof displacement based on 30.5° API observed and weight of 2,947 LBS. Gauged levels above 4' - 5" reflect this deduction but should be corrected for actually observed gravity of the liquid at prevailing temperatures as follows: For 30.5° API observed, no correction. For each degree above 30.5° API observed, subtract 2.5 Gallons. For each degree below 30.5° API observed, add 2.5 Gallons. Bottom critical zone: 3315.12 Gallons deducted for cone up bottom. Do not use fraction table in critical zones. Table stops at product overflow @ 37' - 1" above the datum.

FT-IN	Gallons	FT-IN	Gallons	FT-IN	Gallons	FT-IN	Gallons	FT-IN	Gallons	FT-IN	Gallons	FT-IN	Gallons	FT-IN	Gallons	FT-IN	Gallons	FT-IN	Gallons
0'	327.3	4'	41,764.6	8'	83,773.1	12'	126,214.4	16'	168,659.9	20'	211,151.9	24'	253,643.8	28'	296,135.3	32'	338,629.4	36'	381,145.8
1"	662.9	1"	42,648.2	1"	84,657.3	1"	127,098.6	1"	169,545.2	1"	212,037.1	1"	254,529.0	1"	297,020.6	1"	339,515.2	1"	382,031.6
2"	1,227.8	2"	43,473.3	2"	85,541.5	2"	127,982.8	2"	170,430.4	2"	212,922.4	2"	255,414.3	2"	297,905.8	2"	340,400.9	2"	382,917.3
3"	2,006.1	3"	44,256.9	3"	86,425.7	3"	128,867.0	3"	171,315.7	3"	213,807.6	3"	256,299.5	3"	298,791.0	3"	341,286.7	3"	383,803.1
4"	2,887.5	4"	45,021.4	4"	87,309.9	4"	129,751.2	4"	172,200.9	4"	214,692.8	4"	257,184.8	4"	299,676.3	4"	342,172.5	4"	384,688.8
5"	3,771.1	5"	45,777.4	5"	88,194.1	5"	130,635.4	5"	173,086.2	5"	215,578.1	5"	258,070.0	5"	300,561.5	5"	343,058.2	5"	385,574.6
6"	4,654.7	6"	46,660.9	6"	89,078.3	6"	131,519.6	6"	173,971.4	6"	216,463.3	6"	258,955.2	6"	301,446.8	6"	343,944.0	6"	386,460.3
7"	5,538.2	7"	47,544.5	7"	89,962.5	7"	132,403.8	7"	174,856.7	7"	217,348.6	7"	259,840.5	7"	302,332.0	7"	344,829.7	7"	387,346.1
8"	6,421.8	8"	48,428.1	8"	90,846.7	8"	133,288.0	8"	175,741.9	8"	218,233.8	8"	260,725.7	8"	303,217.2	8"	345,715.5	8"	388,231.9
9"	7,305.4	9"	49,311.7	9"	91,730.9	9"	134,172.2	9"	176,627.2	9"	219,119.1	9"	261,611.0	9"	304,102.5	9"	346,601.2	9"	389,117.6
10"	8,188.9	10"	50,195.2	10"	92,615.0	10"	135,056.4	10"	177,512.4	10"	220,004.3	10"	262,496.2	10"	304,987.7	10"	347,487.0	10"	390,003.4
11"	9,072.5	11"	51,078.8	11"	93,499.2	11"	135,940.5	11"	178,397.7	11"	220,889.6	11"	263,381.4	11"	305,873.0	11"	348,372.8	11"	390,889.1
1'	9,956.1	5'	51,962.4	9'	94,383.4	13'	136,824.7	17'	179,282.9	21'	221,774.8	25'	264,266.7	29'	306,758.2	33'	349,258.5	37'	391,774.9
1"	10,839.6	1"	52,845.9	1"	95,267.6	1"	137,708.9	1"	180,168.2	1"	222,660.1	1"	265,151.9	1"	307,643.4	1"	350,144.3	1"	392,660.6
2"	11,723.2	2"	53,729.5	2"	96,151.2	2"	138,593.2	2"	181,053.4	2"	223,545.3	2"	266,037.2	2"	308,528.7	2"	351,030.0		
3"	12,606.8	3"	54,613.1	3"	97,036.0	3"	139,477.3	3"	181,938.6	3"	224,430.3	3"	266,922.4	3"	309,413.9	3"	351,915.8		
4"	13,490.4	4"	55,496.7	4"	97,920.2	4"	140,361.5	4"	182,823.9	4"	225,315.8	4"	267,807.6	4"	310,299.2	4"	352,801.5		
5"	14,373.9	5"	56,380.2	5"	98,804.5	5"	141,245.7	5"	183,709.2	5"	226,201.1	5"	268,692.9	5"	311,184.4	5"	353,687.3		
6"	15,257.5	6"	57,263.8	6"	99,688.6	6"	142,129.9	6"	184,594.4	6"	227,086.3	6"	269,578.1	6"	312,069.6	6"	354,573.1		
7"	16,141.1	7"	58,147.7	7"	100,572.8	7"	143,014.1	7"	185,479.7	7"	227,971.6	7"	270,463.4	7"	312,954.9	7"	355,458.8		
8"	17,024.6	8"	59,030.9	8"	101,457.0	8"	143,898.3	8"	186,364.9	8"	228,856.8	8"	271,348.6	8"	313,840.1	8"	356,344.6		
9"	17,908.2	9"	59,914.5	9"	102,341.2	9"	144,782.5	9"	187,250.2	9"	229,742.1	9"	272,233.8	9"	314,725.4	9"	357,230.3		
10"	18,791.8	10"	60,798.1	10"	103,225.4	10"	145,666.7	10"	188,135.4	10"	230,627.3	10"	273,119.1	10"	315,610.6	10"	358,116.1		
11"	19,675.4	11"	61,681.7	11"	104,109.6	11"	146,550.9	11"	189,020.6	11"	231,512.6	11"	274,004.3	11"	316,495.8	11"	359,001.8		
2'	20,558.9	6'	62,565.2	10'	104,993.8	14'	147,435.1	18'	189,905.9	22'	232,397.8	26'	274,889.6	30'	317,381.1	34'	359,887.6		
1"	21,442.5	1"	63,448.8	1"	105,878.0	1"	148,319.3	1"	190,791.1	1"	233,283.1	1"	275,774.8	1"	318,266.3	1"	360,773.4		
2"	22,326.1	2"	64,332.4	2"	106,762.2	2"	149,203.5	2"	191,676.4	2"	234,168.3	2"	276,660.0	2"	319,151.6	2"	361,659.1		
3"	23,209.6	3"	65,215.9	3"	107,646.3	3"	150,087.6	3"	192,561.6	3"	235,053.6	3"	277,545.3	3"	320,036.8	3"	362,544.9		
4"	24,093.2	4"	66,099.5	4"	108,530.5	4"	150,971.8	4"	193,446.9	4"	235,938.8	4"	278,430.5	4"	320,922.0	4"	363,430.6		
5"	24,976.8	5"	66,983.1	5"	109,414.7	5"	151,856.0	5"	194,332.1	5"	236,824.1	5"	279,315.8	5"	321,807.3	5"	364,316.4		
6"	25,860.4	6"	67,866.7	6"	110,298.9	6"	152,740.2	6"	195,217.4	6"	237,709.3	6"	280,201.0	6"	322,692.5	6"	365,202.2		
7"	26,743.9	7"	68,750.2	7"	111,183.1	7"	153,624.4	7"	196,102.6	7"	238,594.6	7"	281,086.2	7"	323,577.8	7"	366,087.9		
8"	27,627.5	8"	69,633.8	8"	112,067.3	8"	154,508.6	8"	196,987.9	8"	239,479.8	8"	281,971.5	8"	324,463.0	8"	366,973.7		
9"	28,511.1	9"	70,517.4	9"	112,951.5	9"	155,392.8	9"	197,873.1	9"	240,365.0	9"	282,856.7	9"	325,348.2	9"	367,859.4		
10"	29,394.6	10"	71,400.9	10"	113,835.7	10"	156,277.0	10"	198,758.4	10"	241,250.3	10"	283,742.0	10"	326,233.5	10"	368,745.2		
11"	30,278.2	11"	72,284.5	11"	114,719.9	11"	157,161.2	11"	199,643.6	11"	242,135.5	11"	284,627.2	11"	327,118.7	11"	369,630.9		
3'	31,161.8	7'	73,168.1	11'	115,604.1	15'	158,045.4	19'	200,528.9	23'	243,020.8	27'	285,512.4	31'	328,004.0	35'	370,516.7		
1"	32,045.4	1"	74,051.6	1"	116,488.3	1"	158,929.6	1"	201,414.1	1"	243,906.0	1"	286,397.7	1"	328,889.2	1"	371,402.5		
2"	32,928.9	2"	74,935.2	2"	117,372.5	2"	159,813.8	2"	202,299.4	2"	244,791.3	2"	287,282.9	2"	329,774.4	2"	372,288.2		
3"	33,812.5	3"	75,818.8	3"	118,256.7	3"	160,698.0	3"	203,184.6	3"	245,676.5	3"	288,168.2	3"	330,659.7	3"	373,174.0		
4"	34,696.1	4"	76,702.4	4"	119,140.9	4"	161,582.2	4"	204,069.9	4"	246,561.8	4"	289,053.4	4"	331,544.9	4"	374,059.7		
5"	35,579.6	5"	77,585.9	5"	120,025.1	5"	162,466.4	5"	204,955.1	5"	247,447.0	5"	289,938.6	5"	332,430.2	5"	374,945.5		
6"	36,463.2	6"	78,469.5	6"	120,909.3	6"	163,350.6	6"	205,840.4	6"	248,332.3	6"	290,823.9	6"	333,315.4	6"	375,831.2		
7"	37,346.8	7"	79,353.1	7"	121,793.4	7"	164,234.7	7"	206,725.6	7"	249,217.5	7"	291,709.1	7"	334,200.6	7"	376,717.0		
8"	38,230.4	8"	80,236.6	8"	122,677.6	8"	165,118.9	8"	207,610.9	8"	250,102.8	8"	292,594.4	8"	335,086.4	8"	377,602.8		
9"	39,113.9	9"	81,120.5	9"	123,561.8	9"	166,004.2	9"	208,496.1	9"	250,988.1	9"	293,479.6	9"	335,972.1	9"	378,488.5		
10"	39,997.5	10"	82,004.7	10"	124,446.0	10"	166,889.4	10"	209,381.4	10"	251,873.3	10"	294,364.8	10"	336,857.9	10"	379,374.3		
11"	40,881.1	11"	82,888.9	11"	125,330.2	11"	167,774.7	11"	210,266.6	11"	252,758.6	11"	295,250.1	11"	337,743.7	11"	380,260.0		