



CONTENTS OF HORIZONTAL CYLINDRICAL TANKS WHEN FILLED TO VARIOUS DEPTHS

Tanks with flat ends. Contents given in U.S. Gallons per 1 ft. of length.

Diam. of Tank In.	Full Tank	Depth of Liquid in Inches																								
		3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	
36	52.88	2.12	5.79	10.34	15.43	20.85	26.44																			
42	71.97	2.28	6.31	11.31	16.97	23.07	29.47	35.99																		
48	94.01	2.45	6.78	12.20	18.38	25.10	32.20	39.54	47.00																	
54	118.98	2.60	7.22	13.04	19.68	26.97	34.72	42.80	51.08	59.49																
60	146.89	2.75	7.64	13.82	20.91	28.72	37.06	45.82	54.87	64.11	73.44															
66	177.73	2.89	8.04	14.56	22.07	30.37	39.28	48.65	58.39	68.41	78.59	88.86														
72	211.52	3.02	8.42	15.26	23.17	31.92	41.36	51.32	61.71	72.45	83.41	94.54	105.76													
78	248.24	3.15	8.78	15.94	24.21	33.41	43.34	53.86	64.87	76.27	87.97	99.90	111.97	124.13												
84	287.90	3.26	9.12	16.57	25.24	34.85	45.24	56.29	67.87	79.91	92.30	104.98	117.85	130.87	143.95											
90	330.49	3.43	9.46	17.20	26.20	36.21	47.05	58.61	70.75	83.39	96.43	109.81	123.45	137.28	151.23	165.25										
96	376.02	3.50	9.79	17.80	27.13	37.52	48.81	60.84	73.52	86.73	100.39	114.44	128.79	143.30	158.17	173.06	188.01									
102	424.50	3.61	10.10	18.37	28.01	39.00	50.49	62.99	76.18	89.94	104.20	118.89	133.92	149.25	164.81	180.53	196.37	212.25								
108	476.10	3.71	10.39	18.94	28.90	40.03	52.14	65.09	78.74	93.04	107.87	123.17	138.87	154.89	171.19	187.71	204.37	221.14	238.05							
114	530.25	3.78	10.74	19.49	29.75	41.22	53.73	67.10	81.24	96.05	111.43	127.31	143.63	160.33	177.33	194.60	212.05	229.65	247.37	265.13						
120	587.54	3.91	10.98	20.02	30.57	42.39	55.26	69.06	83.65	98.95	114.87	131.32	148.25	165.58	183.27	201.24	219.46	237.87	256.43	275.08	293.77					
126	647.74	4.01	11.26	20.53	31.38	43.52	56.76	70.96	85.99	101.77	118.20	135.20	152.71	170.66	189.00	207.67	226.62	245.80	265.16	284.65	304.24	323.87				
132	710.90	4.09	11.53	21.04	32.16	44.62	58.22	72.81	88.28	104.52	121.44	138.98	157.05	175.61	194.57	213.91	233.56	253.48	273.62	293.92	314.36	334.88	355.44			
138	777.00	4.20	11.80	21.53	32.92	45.69	59.64	74.62	90.50	107.20	124.60	142.66	161.28	180.41	199.99	219.98	240.31	260.93	281.81	302.90	324.16	345.53	366.99	388.49		
144	846.03	4.29	12.06	22.01	33.67	46.75	61.04	76.39	92.68	109.81	127.69	146.24	165.39	185.09	205.27	225.87	246.86	268.17	289.78	311.62	333.66	355.86	378.18	400.57	423.01	

CAPACITY OF CAR DOMES

36" diam.	4.41 gal. per in.
38" diam.	4.91 gal. per in.
40" diam.	5.44 gal. per in.
44" daim.	6.58 gal. per in.

COEFFICIENT OF EXPANSION AND CONTRACTION

For practical purposes the expansion and contraction of petroleum products is estimated on the following basis:

Gravity	Temperature
0 to 14.9	1% for every 29°
15 to 34.9	1% for every 25°
35 to 50.9	1% for every 20°
51 to 63.9	1% for every 16-2/3°
64 to 78.9	1% for every 14°
79 to 88.9	1% for every 12-1/2°