Hole Volume for Round Structures

Blockout Hole Diameter (in.)	Manhole I.D. (in.)						
	48"	**60"**	**72"**	**84"**	**96"**	**120"**	**144"**
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	15.7	18.9	22.0	25.1	28.3	34.6	37.7
4	62.9	75.4	88.0	100.6	113.1	138.2	150.8
6	141.6	169.8	198.1	226.3	254.6	311.1	339.4
8	252.1	302.2	352.3	402.5	452.7	553.2	603.4
10	394.5	472.6	550.9	629.3	707.7	864.6	943.0
12	569.2	681.4	794.0	906.7	1019.6	1245.4	1358.2
14	776.6	929.0	1081.9	1235.1	1388.6	1695.8	1849.1
16	1017.3	1215.5	1414.8	1614.7	1814.9	2215.8	2416.0
18	1291.7	1541.6	1793.2	2045.7	2298.8	2805.9	3058.8
20	1600.7	1907.6	2217.3	2528.5	2840.5	3466.0	3777.8
22	1945.0	2314.2	2687.7	3063.5	3440.4	4196.5	4573.1
24	2325.6	2762.0	3204.9	3651.0	4098.8	4997.6	5445.0
26	2743.8	3251.9	3769.5	4291.5	4816.2	5869.6	6393.6
28	3200.8	3784.7	4382.0	4985.6	5592.8	6812.9	7419.3
30	3698.5	4361.4	5043.3	5733.9	6429.3	7827.8	8522.3
32	4238.6	4983.2	5754.1	6536.9	7326.1	8914.8	9702.9
34	4823.7	5651.4	6515.4	7395.4	8283.8	10074.1	10961.3
36	5456.7	6367.5	7328.2	8310.1	9303.0	11306.3	12298.0
38	6141.3	7133.2	8193.7	9281.9	10384.4	12611.8	13713.3
40	6882.4	7950.7	9113.0	10311.7	11528.8	13991.3	15207.5
42	7686.6	8822.2	10087.7	11400.6	12737.0	15445.3	16781.2
44	8563.4	9750.5	11119.3	12549.7	14009.8	16974.2	18434.7
46	9528.0	10739.2	12209.7	13760.2	15348.2	18579.0	20168.4
48	10613.4	11792.2	13360.9	15033.5	16753.2	20260.1	21983.0
50		12914.8	14575.3	16371.1	18225.9	22018.4	23878.9
52		14113.5	15855.6	17774.8	19767.6	23854.7	25856.7
54		15397.2	17205.0	19246.3	21379.6	25769.8	27916.9
56		16778.4	18627.2	20787.8	23063.3	27764.6	30060.2
58		18277.1	20126.6	22401.6	24820.4	29840.1	32287.3
60		19935.3	21708.5	24090.3	26652.5	31997.3	34598.9
62			23379.7	25857.1	28561.6	34237.4	36995.7
64			25148.4	27705.3	30549.9	36561.5	39478.4
66			27026.1	29638.9	32619.6	38970.9	42048.0
68			29028.2	31662.6	34773.4	41467.0	44705.3
70			31179.7	33781.9	37014.0	44051.3	47451.2
72			33531.9	36003.5	39345.0	46725.2	50286.7
74				38335.4	41769.8	49490.6	53212.8
76				40788.2	44292.7	52349.3	56230.7
78				43375.3	46918.7	55303.2	59341.4
80				46115.8	49653.3	58354.4	62546.3
82				49039.3	52503.2	61505.3	65846.6
84				52206.5	55476.4	64758.5	69243.8
86					58582.6	68116.6	72739.3
88					61834.2	71582.8	76334.6
90					65247.2	75160.3	80031.5
92					68844.1	78852.8	83831.7
94					72659.1	82664.6	87737.2
96					76762.6	86600.1	91749.9
98						90664.4	95872.1
100						94863.4	100106.1
102						99203.8	104454.5
104						103693.4	108919.9
106						108341.1	113505.3
108						113157.6	118214.1
110						118156.4	123049.4
112						123353.4	128015.5
114						128770.0	133116.3
116						134435.3	138356.3
118						140393.4	143741.0
120						146734.2	149275.8
122							154967.2
124							160822.6
126							166850.0
128							173058.9
130							179460.5
132							186068.5
134							192898.2
136							199970.0
138							207309.5
140							214952.1
142							222951.0
144							231413.9

Volume in Cubic Inches (in^3)