



GAUGING TABLE FOR HORIZONTAL CYLINDRICAL TANKS

Outage % of Diameter	Filled % of Capacity	Outage % of Diameter	Filled % of Capacity	Outage % of Diameter	Filled % of Capacity	Outage % of Diameter	Filled % of Capacity
0.0	100.0000	5.0	98.1307	10.0	94.7960	15.0	90.5940
0.1	99.9946	5.1	98.0749	10.1	94.7190	15.1	90.5029
0.2	99.9848	5.2	98.0186	10.2	94.6420	15.2	90.4120
0.3	99.9721	5.3	97.9619	10.3	94.5649	15.3	90.3201
0.4	99.9571	5.4	97.9044	10.4	94.4878	15.4	90.2290
0.5	99.9400	5.5	97.8468	10.5	94.4094	15.5	90.1363
0.6	99.9212	5.6	97.7884	10.6	94.3310	15.6	90.0440
0.7	99.9008	5.7	97.7297	10.7	94.2527	15.7	89.9515
0.8	99.8788	5.8	97.6703	10.8	94.1742	15.8	89.8580
0.9	99.8554	5.9	97.6106	10.9	94.0946	15.9	89.7657
1.0	99.8308	6.0	97.5503	11.0	94.0152	16.0	89.6730
1.1	99.8048	6.1	97.4897	11.1	93.9352	16.1	89.5790
1.2	99.7776	6.2	97.4285	11.2	93.8555	16.2	89.4850
1.3	99.7494	6.3	97.3669	11.3	93.7746	16.3	89.3913
1.4	99.7200	6.4	97.3048	11.4	93.6940	16.4	89.2970
1.5	99.6896	6.5	97.2422	11.5	93.6128	16.5	89.2028
1.6	99.6581	6.6	97.1789	11.6	93.5315	16.6	89.1070
1.7	99.6256	6.7	97.1158	11.7	93.4497	16.7	89.0133
1.8	99.5923	6.8	97.0517	11.8	93.3680	16.8	88.9180
1.9	99.5579	6.9	96.9875	11.9	93.2854	16.9	88.8229
2.0	99.5227	7.0	96.9229	12.0	93.2030	17.0	88.7270
2.1	99.4866	7.1	96.8576	12.1	93.1199	17.1	88.6310
2.2	99.4497	7.2	96.7920	12.2	93.0370	17.2	88.5350
2.3	99.4119	7.3	96.7260	12.3	92.9532	17.3	88.4390
2.4	99.3734	7.4	96.6591	12.4	92.8695	17.4	88.3430
2.5	99.3340	7.5	96.5926	12.5	92.7853	17.5	88.2460
2.6	99.2939	7.6	96.5251	12.6	92.7010	17.6	88.1490
2.7	99.2530	7.7	96.4577	12.7	92.6163	17.7	88.0510
2.8	99.2113	7.8	96.3894	12.8	92.5320	17.8	87.9540
2.9	99.1690	7.9	96.3211	12.9	92.4462	17.9	87.8570
3.0	99.1258	8.0	96.2520	13.0	92.3610	18.0	87.7600
3.1	99.0821	8.1	96.1829	13.1	92.2749	18.1	87.6620
3.2	99.0376	8.2	96.1131	13.2	92.1890	18.2	87.5630
3.3	98.9924	8.3	96.0432	13.3	92.1025	18.3	87.4650
3.4	98.9466	8.4	95.9724	13.4	92.0160	18.4	87.3670
3.5	98.9002	8.5	95.9019	13.5	91.9290	18.5	87.2680
3.6	98.8530	8.6	95.8304	13.6	91.8420	18.6	87.1690
3.7	98.8053	8.7	95.7591	13.7	91.7544	18.7	87.0700
3.8	98.7569	8.8	95.6869	13.8	91.6670	18.8	86.9700
3.9	98.7079	8.9	95.6148	13.9	91.5788	18.9	86.8700
4.0	98.6582	9.0	95.5418	14.0	91.4910	19.0	86.7710
4.1	98.6081	9.1	95.4691	14.1	91.4021	19.1	86.6710
4.2	98.5573	9.2	95.3955	14.2	91.3140	19.2	86.5710
4.3	98.5059	9.3	95.3219	14.3	91.2243	19.3	86.4710
4.4	98.4540	9.4	95.2475	14.4	91.1355	19.4	86.3700
4.5	98.4014	9.5	95.1733	14.5	91.0455	19.5	86.2690
4.6	98.3484	9.6	95.0985	14.6	90.9560	19.6	86.1680
4.7	98.2948	9.7	95.0233	14.7	90.8656	19.7	86.0660
4.8	98.2406	9.8	94.9477	14.8	90.7760	19.8	85.9650
4.9	98.1859	9.9	94.8718	14.9	90.6848	19.9	85.8540

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Outage % of Diameter	Filled % of Capacity	Outage % of Diameter	Filled % of Capacity	Outage % of Diameter	Filled % of Capacity	Outage % of Diameter	Filled % of Capacity
20.0	85.7620	25.0	80.4490	30.0	74.7670	35.0	68.8080
20.1	85.6590	25.1	80.3380	30.1	74.6500	35.1	68.6860
20.2	85.5560	25.2	80.2270	30.2	74.5330	35.2	68.5640
20.3	85.4530	25.3	80.1160	30.3	74.4160	35.3	68.4420
20.4	85.3510	25.4	80.0050	30.4	74.2990	35.4	68.3200
20.5	85.2490	25.5	79.8940	30.5	74.1820	35.5	68.1980
20.6	85.1460	25.6	79.7830	30.6	74.0650	35.6	68.0760
20.7	85.0430	25.7	79.6720	30.7	73.9470	35.7	67.9540
20.8	84.9400	25.8	79.5610	30.8	73.8300	35.8	67.8320
20.9	84.8370	25.9	79.4500	30.9	73.7120	35.9	67.7100
21.0	84.7330	26.0	79.3390	31.0	73.5930	36.0	67.5880
21.1	84.6290	26.1	79.2270	31.1	73.4760	36.1	67.4660
21.2	84.5250	26.2	79.1140	31.2	73.3580	36.2	67.3430
21.3	84.4210	26.3	79.0020	31.3	73.2400	36.3	67.2200
21.4	84.3170	26.4	78.8900	31.4	73.1220	36.4	67.0980
21.5	84.2130	26.5	78.7780	31.5	73.0040	36.5	66.9750
21.6	84.1080	26.6	78.6660	31.6	72.8860	36.6	66.8530
21.7	84.0020	26.7	78.5530	31.7	72.7680	36.7	66.7310
21.8	83.8990	26.8	78.4400	31.8	72.6490	36.8	66.6080
21.9	83.7940	26.9	78.3280	31.9	72.5300	36.9	66.4850
22.0	83.6880	27.0	78.2150	32.0	72.4110	37.0	66.3820
22.1	83.5820	27.1	78.1020	32.1	72.2920	37.1	66.2380
22.2	83.4760	27.2	77.9890	32.2	72.1730	37.2	66.1180
22.3	83.3700	27.3	77.8750	32.3	72.0540	37.3	65.9920
22.4	83.2630	27.4	77.7610	32.4	71.9350	37.4	65.8690
22.5	83.1580	27.5	77.6470	32.5	71.8160	37.5	65.7460
22.6	83.0510	27.6	77.5330	32.6	71.6980	37.6	65.6230
22.7	82.9450	27.7	77.4190	32.7	71.5780	37.7	65.4990
22.8	82.8390	27.8	77.3050	32.8	71.4570	37.8	65.3750
22.9	82.7310	27.9	77.1900	32.9	71.3400	37.9	65.2510
23.0	82.6240	28.0	77.0770	33.0	71.2190	38.0	65.1270
23.1	82.5170	28.1	76.9620	33.1	71.1010	38.1	65.0040
23.2	82.4100	28.2	76.8480	33.2	70.9800	38.2	64.8810
23.3	82.3020	28.3	76.7340	33.3	70.8600	38.3	64.7580
23.4	82.1940	28.4	76.6200	33.4	70.7400	38.4	64.6320
23.5	82.0870	28.5	76.5060	33.5	70.6200	38.5	64.5710
23.6	81.9780	28.6	76.3890	33.6	70.5000	38.6	64.3850
23.7	81.8700	28.7	76.2720	33.7	70.3800	38.7	64.2610
23.8	81.7600	28.8	76.1580	33.8	70.2600	38.8	64.1350
23.9	81.6520	28.9	76.0430	33.9	70.1400	38.9	64.0120
24.0	81.5430	29.0	75.9280	34.0	70.0190	39.0	63.8900
24.1	81.4340	29.1	75.8130	34.1	69.8980	39.1	63.7660
24.2	81.3250	29.2	75.6980	34.2	69.7770	39.2	63.6410
24.3	81.2160	29.3	75.5820	34.3	69.6563	39.3	63.5170
24.4	81.1080	29.4	75.4650	34.4	69.5350	39.4	63.3920
24.5	80.9900	29.5	75.3490	34.5	69.4130	39.5	63.2680
24.6	80.8900	29.6	75.2310	34.6	69.2920	39.6	63.1440
24.7	80.7800	29.7	75.1160	34.7	69.1710	39.7	63.0190
24.8	80.6700	29.8	75.0000	34.8	69.0500	39.8	62.8940
24.9	80.5600	29.9	74.8840	34.9	68.9290	39.9	62.7700

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Outage % of Diameter	Filled % of Capacity	Outage % of Diameter	Filled % of Capacity	Outage % of Diameter	Filled % of Capacity	Outage % of Diameter	Filled % of Capacity
40.0	62.6450	45.0	56.3520	50.0	50.0000	55.0	43.6480
40.1	62.5200	45.1	56.2250	50.1	49.8770	55.1	43.5210
40.2	62.3940	45.2	56.0980	50.2	49.7480	55.2	43.3970
40.3	62.2690	45.3	55.9720	50.3	49.6210	55.3	43.2680
40.4	62.1440	45.4	55.8450	50.4	49.4940	55.4	43.1420
40.5	62.0190	45.5	55.7180	50.5	49.3660	55.5	43.0180
40.6	61.8940	45.6	55.5910	50.6	49.2390	55.6	42.8900
40.7	61.7690	45.7	55.4620	50.7	49.1120	55.7	42.7620
40.8	61.6450	45.8	55.3370	50.8	48.9830	55.8	42.6370
40.9	61.5210	45.9	55.2100	50.9	48.8570	55.9	42.5100
41.0	61.3960	46.0	55.0820	51.0	48.7290	56.0	42.3830
41.1	61.2700	46.1	54.9570	51.1	48.6030	56.1	42.2570
41.2	61.1440	46.2	54.8290	51.2	48.4750	56.2	42.1290
41.3	61.0180	46.3	54.7040	51.3	48.3480	56.3	42.0020
41.4	60.8920	46.4	54.5760	51.4	48.2200	56.4	41.8760
41.5	60.7670	46.5	54.4500	51.5	48.0930	56.5	41.7490
41.6	60.6420	46.6	54.3220	51.6	47.9650	56.6	41.6280
41.7	60.5180	46.7	54.1970	51.7	47.8370	56.7	41.4990
41.8	60.3920	46.8	54.0700	51.8	47.7100	56.8	41.3720
41.9	60.2650	46.9	53.9420	51.9	47.5830	56.9	41.2460
42.0	60.1380	47.0	53.8170	52.0	47.4570	57.0	41.1200
42.1	60.0120	47.1	53.6890	52.1	47.3290	57.1	40.9940
42.2	59.8860	47.2	53.5620	52.2	47.2010	57.2	40.8690
42.3	59.7600	47.3	53.4350	52.3	47.0740	57.3	40.7410
42.4	59.6350	47.4	53.3070	52.4	46.9470	57.4	40.6150
42.5	59.5100	47.5	53.1810	52.5	46.8190	57.5	40.4900
42.6	59.3850	47.6	53.0530	52.6	46.6930	57.6	40.3650
42.7	59.2590	47.7	52.9260	52.7	46.5650	57.7	40.2400
42.8	59.1310	47.8	52.7990	52.8	46.4380	57.8	40.1140
42.9	59.0060	47.9	52.6710	52.9	46.3110	57.9	39.9880
43.0	58.8800	48.0	52.5430	53.0	46.1830	58.0	39.8620
43.1	58.7540	48.1	52.4170	53.1	46.0580	58.1	39.7350
43.2	58.6280	48.2	52.2900	53.2	45.9300	58.2	39.6080
43.3	58.5010	48.3	52.1630	53.3	45.8050	58.3	39.4820
43.4	58.3720	48.4	52.0350	53.4	45.6780	58.4	39.3580
43.5	58.2510	48.5	51.9070	53.5	45.5500	58.5	39.2330
43.6	58.1240	48.6	51.7800	53.6	45.4240	58.6	39.1080
43.7	57.9980	48.7	51.6520	53.7	45.2980	58.7	38.9820
43.8	57.8710	48.8	51.5250	53.8	45.1710	58.8	38.8560
43.9	57.7430	48.9	51.3970	53.9	45.0430	58.9	38.7300
44.0	57.6170	49.0	51.2710	54.0	44.9180	59.0	38.6040
44.1	57.4900	49.1	51.1430	54.1	44.7900	59.1	38.4790
44.2	57.3630	49.2	51.0170	54.2	44.6630	59.2	38.3550
44.3	57.2380	49.3	50.8880	54.3	44.5380	59.3	38.2310
44.4	57.1100	49.4	50.7610	54.4	44.4090	59.4	38.1060
44.5	56.9820	49.5	50.6340	54.5	44.2820	59.5	37.9810
44.6	56.8580	49.6	50.5060	54.6	44.1550	59.6	37.8560
44.7	56.7320	49.7	50.3790	54.7	44.0280	59.7	37.7310
44.8	56.6030	49.8	50.2520	54.8	43.9020	59.8	37.6060
44.9	56.4790	49.9	50.1230	54.9	43.7750	59.9	37.4800

GAUGING TABLE FOR HORIZONTAL CYLINDRICAL TANKS

Outage % of Diameter	Filled % of Capacity	Outage % of Diameter	Filled % of Capacity	Outage % of Diameter	Filled % of Capacity	Outage % of Diameter	Filled % of Capacity
60.0	37.3550	65.0	31.1920	70.0	25.2330	75.0	19.5510
60.1	37.2300	65.1	31.0710	70.1	25.1160	75.1	19.4400
60.2	37.1060	65.2	30.9500	70.2	25.0000	75.2	19.3300
60.3	36.9810	65.3	30.8290	70.3	24.8840	75.3	19.2200
60.4	36.8560	65.4	30.7080	70.4	24.7690	75.4	19.1100
60.5	36.7320	65.5	30.5870	70.5	24.6510	75.5	19.0100
60.6	36.6080	65.6	30.4650	70.6	24.5350	75.6	18.8920
60.7	36.4830	65.7	30.3440	70.7	24.4180	75.7	18.7840
60.8	36.3590	65.8	30.2230	70.8	24.3020	75.8	18.6750
60.9	36.2340	65.9	30.1020	70.9	24.1870	75.9	18.5660
61.0	36.1100	66.0	29.9810	71.0	24.0720	76.0	18.4570
61.1	35.9880	66.1	29.8600	71.1	23.9570	76.1	18.3480
61.2	35.9650	66.2	29.7400	71.2	23.8420	76.2	18.2400
61.3	35.7390	66.3	29.6200	71.3	23.7280	76.3	18.1300
61.4	35.6150	66.4	29.5000	71.4	23.6110	76.4	18.0220
61.5	35.4910	66.5	29.3800	71.5	23.4940	76.5	17.9130
61.6	35.3680	66.6	29.2600	71.6	23.3800	76.6	17.8060
61.7	35.2420	66.7	29.1400	71.7	23.2660	76.7	17.6980
61.8	35.1190	66.8	29.0200	71.8	23.1520	76.8	17.5900
61.9	34.9960	66.9	28.8990	71.9	23.0380	76.9	17.4830
62.0	34.8730	67.1	28.7810	72.0	22.9230	77.0	17.3760
62.1	34.7490	67.2	28.6600	72.1	22.8100	77.1	17.2690
62.2	34.6250	67.3	28.5430	72.2	22.6950	77.2	17.1610
62.3	34.5010	67.4	28.4220	72.3	22.5810	77.3	17.0550
62.4	34.3770	67.5	28.3020	72.4	22.4670	77.4	16.9490
62.5	34.2540	67.6	28.1840	72.5	22.3530	77.5	16.8420
62.6	34.1310	67.7	27.0650	72.6	22.2390	77.6	16.7370
62.7	34.0080	67.8	27.9450	72.7	22.1250	77.7	16.6300
62.8	33.8850	67.9	27.8270	72.8	22.0110	77.8	16.5240
62.9	33.7620	68.0	27.7080	72.9	21.8980	77.9	16.4180
63.0	33.6380	68.1	27.4700	73.0	21.7850	78.0	16.3120
63.1	33.5150	68.2	27.3510	73.1	21.6720	78.1	16.2060
63.2	33.3920	68.3	27.2320	73.2	21.5600	78.2	16.1010
63.3	33.2690	68.4	27.1140	73.3	21.4470	78.3	15.9980
63.4	33.1470	68.5	26.9960	73.4	21.3340	78.4	15.8920
63.5	33.0250	68.6	26.8780	73.5	21.2220	78.5	15.7870
63.6	32.9020	68.7	26.7600	73.6	21.1100	78.6	15.6830
63.7	32.7800	68.8	26.6420	73.7	20.9980	78.7	15.5790
63.8	32.6570	68.9	26.5240	73.8	20.8860	78.8	15.4750
63.9	32.5340	69.0	26.4070	73.9	20.7730	78.9	15.3710
64.0	32.4120	69.1	26.2880	74.0	20.6610	79.0	15.2670
64.1	32.2900	69.2	26.1700	74.1	20.5500	79.1	15.1630
64.2	32.1682	69.3	26.0520	74.2	20.4390	79.2	15.0600
64.3	32.0460	69.4	25.9350	74.3	20.3280	79.3	14.9570
64.4	31.9240	69.5	25.8180	74.4	20.2170	79.4	14.8540
64.5	31.8020	69.6	25.7010	74.5	20.1060	79.5	14.7510
64.6	31.6800	69.7	25.5840	74.6	19.9950	79.6	14.6490
64.7	31.5580	69.8	25.4670	74.7	19.8840	79.7	14.5470
64.8	31.4360	69.9	25.3500	74.8	19.7730	79.8	14.4440
64.9	31.3140	70.0	25.2330	74.9	19.6620	79.9	14.3410

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80.0	14.2380	85.0	9.4060	90.0	5.2040	95.0	1.8693
80.1	14.1460	85.1	9.3152	90.1	5.1282	95.1	1.8141
80.2	14.0350	85.2	9.2240	90.2	5.0523	95.2	1.7594
80.3	13.9340	85.3	9.1344	90.3	4.9767	95.3	1.7052
80.4	13.8320	85.4	9.0440	90.4	4.9015	95.4	1.6516
80.5	13.7310	85.5	8.9545	90.5	4.8267	95.5	1.5986
80.6	13.6300	85.6	8.8645	90.6	4.7525	95.6	1.5460
80.7	13.5290	85.7	8.7757	90.7	4.6781	95.7	1.4941
80.8	13.4290	85.8	8.6860	90.8	4.6045	95.8	1.4427
80.9	13.3290	85.9	8.5979	90.9	4.5309	95.9	1.3919
81.0	13.2290	86.0	8.5090	91.0	4.4582	96.0	1.3418
81.1	13.1300	86.1	8.4212	91.1	4.3851	96.1	1.2921
81.2	13.0300	86.2	8.3330	91.2	4.3131	96.2	1.2431
81.3	12.9300	86.3	8.2456	91.3	4.2409	96.3	1.1947
81.4	12.8310	86.4	8.1580	91.4	4.1696	96.4	1.1470
81.5	12.7320	86.5	8.0710	91.5	4.0981	96.5	1.0998
81.6	12.6330	86.6	7.9840	91.6	4.0276	96.6	1.0534
81.7	12.5350	86.7	7.8975	91.7	3.9568	96.7	1.0076
81.8	12.4370	86.8	7.8110	91.8	3.8869	96.8	0.9624
81.9	12.3380	86.9	7.7251	91.9	3.8171	96.9	0.9179
82.0	12.2400	87.0	7.6390	92.0	3.7480	97.0	0.8742
82.1	12.1430	87.1	7.5538	92.1	3.6789	97.1	0.8310
82.2	12.0460	87.2	7.4680	92.2	3.6106	97.2	0.7887
82.3	11.9490	87.3	7.3837	92.3	3.5423	97.3	0.7470
82.4	11.8510	87.4	7.2990	92.4	3.4749	97.4	0.7061
82.5	11.7540	87.5	7.2147	92.5	3.4074	97.5	0.6660
82.6	11.6570	87.6	7.1305	92.6	3.3408	97.6	0.6266
82.7	11.5610	87.7	7.0468	92.7	3.2740	97.7	0.5881
82.8	11.4650	87.8	6.9630	92.8	3.2085	97.8	0.5503
82.9	11.3690	87.9	6.8801	92.9	3.1424	97.9	0.5134
83.0	11.2730	88.0	6.7970	93.0	3.0771	98.0	0.4773
83.1	11.1771	88.1	6.7146	93.1	3.0125	98.1	0.4421
83.2	11.0820	88.2	6.6320	93.2	2.9483	98.2	0.4077
83.3	11.9867	88.3	6.5503	93.3	2.8842	98.3	0.3744
83.4	10.8930	88.4	6.4685	93.4	2.8211	98.4	0.3419
83.5	10.7972	88.5	6.3872	93.5	2.7578	98.5	0.3104
83.6	10.7030	88.6	6.3060	93.6	2.6952	98.6	0.2800
83.7	10.6087	88.7	6.2254	93.7	2.6331	98.7	0.2506
83.8	10.5150	88.8	6.1445	93.8	2.5715	98.8	0.2224
83.9	10.4210	88.9	6.0648	93.9	2.5103	98.9	0.1952
84.0	10.3270	89.0	5.9848	94.0	2.4497	99.0	0.1692
84.1	10.2343	89.1	5.9054	94.1	2.3894	99.1	0.1446
84.2	10.1420	89.2	5.8258	94.2	2.3297	99.2	0.1212
84.3	10.0485	89.3	5.7473	94.3	2.2703	99.3	0.0992
84.4	9.9560	89.4	5.6690	94.4	2.2116	99.4	0.0788
84.5	9.8637	89.5	5.5906	94.5	2.1532	99.5	0.0600
84.6	9.7710	89.6	5.5122	94.6	2.0956	99.6	0.0429
84.7	9.6799	89.7	5.4351	94.7	2.0381	99.7	0.0279
84.8	9.5880	89.8	5.3580	94.8	1.9814	99.8	0.0152
84.9	9.4971	89.9	5.2810	94.9	1.9251	99.9	0.0054
						100.0	0.0000