

Alfa Laval Aalborg
 Rua Divino Espírito Santo
 1100, Carangola
 Petrópolis, RJ
 CEP: 25715-410

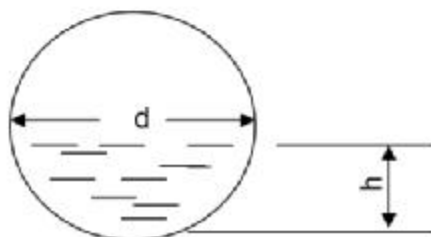
Tel: +55 24 2233-9963
 Fax: +55 24 2237-6603
www.alfalaval.com
 E-mail: dec.rio@alfalaval.com



VOLUMES CONTIDO EM TANQUES CILÍNDRICOS HORIZONTAIS EM FUNÇÃO DO DIÂMETRO DO TANQUE E DA ALTURA DE LÍQUIDO CONTIDO NO TANQUE, POR 1m DE COMPRIMENTO

Tank Volumes

h = altura do líquido no tanque em milímetros	d = diâmetro do tanque em milímetros													
	300	460	610	760	910	1060	1220	1370	1520	1680	1830	1980	2130	
	litros	litros	litros	litros	litros	litros	litros	litros	litros	litros	litros	litros	litros	
50	7.9	9.9	11.5	13.0	14.3	15.5	16.9	17.8	18.3	19.6	20.5	21.5	22.0	
100	21.5	27.1	31.9	36.0	39.9	43.3	46.2	49.4	52.0	54.9	57.6	59.7	61.5	
150	36.5	47.8	57.0	64.9	72.0	78.4	85.7	90.0	92.9	99.8	100.6	109.0	113.3	
200	51.4	70.4	85.1	97.5	108.7	118.8	127.9	136.6	144.0	151.5	159.0	166.4	172.6	
250	64.9	93.8	115.0	133.1	149.0	165.2	176.3	188.8	201.2	211.1	219.8	231.0	244.6	
300	72.9	116.5	145.9	170.4	191.2	209.9	231.0	244.6	260.8	274.4	293.1	300.5	319.1	
350		137.1	176.8	208.9	235.9	260.8	283.1	300.5	326.6	342.7	358.9	375.0	391.2	
400		154.4	206.8	247.1	280.6	312.9	340.3	366.1	389.9	413.5	434.6	448.3	474.4	
460		164.2	234.8	285.6	327.8	365.1	401.1	432.1	458.2	488.0	517.8	537.7	568.7	
500			259.9	322.9	367.6	419.7	459.5	498.0	531.5	565.0	596.1	624.6	651.9	
560			280.3	358.3	414.8	474.4	521.6	566.3	606.0	643.3	679.3	715.3	745.1	
610			291.8	391.0	464.4	527.7	583.6	633.3	679.3	724.0	768.7	804.7	854.4	
660				420.0	501.7	581.2	645.7	704.1	757.5	807.2	853.1	895.3	940.0	
710				442.9	542.7	632.1	707.8	773.6	830.8	891.6	943.8	993.4	1044.4	
760				456.0	578.7	683.0	766.2	841.9	911.5	976.1	1036.9	1092.8	1137.5	
810					609.7	730.2	827.0	911.5	989.7	1060.5	1126.3	1192.1	1254.2	
860					635.8	774.9	885.4	978.5	1066.7	1146.2	1219.4	1291.5	1363.6	
910					656.9	814.6	940.0	1045.6	1149.9	1230.6	1316.3	1390.8	1452.9	
960						849.4	992.2	1110.2	1217.0	1316.3	1403.2	1490.2	1564.7	
1010						878.0	1039.4	1172.3	1303.9	1403.2	1502.6	1589.5	1676.4	
1060						894.1	1085.3	1235.6	1366.0	1477.7	1589.5	1688.8	1788.2	
1120							1121.3	1291.5	1428.1	1564.7	1688.8	1788.2	1900.0	
1170							1151.1	1341.1	1502.6	1639.2	1775.8	1887.5	2011.7	
1220							1167.3	1390.8	1564.7	1713.7	1862.7	1986.9	2123.5	
1270								1428.1	1626.8	1788.2	1949.6	2086.2	2222.8	
1320								1452.9	1676.4	1862.7	2036.5	2185.6	2322.2	
1370								1477.7	1726.1	1937.2	2111.1	2272.5	2433.9	
1420									1775.8	1999.3	2185.6	2371.8	2533.3	
1470									1800.6	2049.0	2260.1	2458.8	2632.6	
1520									1825.4	2098.6	2334.6	2545.7	2719.5	
1630										2185.6	2458.8	2707.1	2918.2	
1730											2570.5	2856.1	3104.5	
1830												2620	2967.9	3253.5
1930													3054.8	3402.5
2030														3514.3
2130														3576.4



Quando $h = 0$ até $\frac{1}{4} d \Rightarrow \text{área} = h \times \sqrt{1,766 \times d \times h - h^2}$

Quando $h = \frac{1}{4} d$ até $\frac{1}{2} d \Rightarrow \text{área} = h \times \sqrt{0,017 \times d^2 + 1,7 \times d \times h - h^2}$