

How to calculate and convert important data



TANK VOLUMES:

Volume of a Rectangle Tank
 $v = l \times h \times d$



Volume of a Cylindrical Tank
 $v = 3.142 \times r^2 \times h$



Volume of Conical Tank
 = volume of cone + cylinder
 $= \frac{1}{3}(3.142 \times r^2 \times h_1) + (3.142 \times r^2 \times h_2)$



Volume of Hemispherical Tank
 = volume of hemispher + cylinder
 $= \frac{2}{3}(3.142 \times r^2 \times h_1) + (3.142 \times r^2 \times h_2)$



CONVERSION FACT

1 bar =	100,000 Pascal	1 Litre =	1.76 Pint 0.001m ³
	1.02 kg/cm ²		0.0353 ft ³
	0.9869 Atmosphere	1 Ounce =	28.35 Grams
	1020 gm/cm ²	1 Kilogram =	2.205 Pounds
	1020 mmWG	1 lbf.ft =	1.356Nm
	750 mmHg - 750 Torr	1 tonf.ft =	3037Nm
	401.6 "WG	1 Gal/Min =	7.577x10- 5m ³ /sec
	14.51 psi	1 ft ³ /sec =	0.02832 m ³ /sec
Degrees C =	5/9 (F-32)	1 kg/m =	3.613 x 10 ⁻⁵ lb/in
Degrees F =	9/5 (F+32)		