

## PRESSURE & VACUUM CONVERSIONS

Lbs. per Sq. in.	bar	Kilopascals	Kilograms per Sq. cm	Ounces per Sq. in	Inches of Mercury	Millimeters of Mercury	Inches of Water
psi	bar	kPa	kg/cm <sup>2</sup>	oz-in <sup>2</sup>	inHg	mmHg*	inH <sub>2</sub> O
1	.0689476	6.89476	.0703069	16	2.03602	51.71485	27.6807
14.5038	1	100	1.019716	232.0608	29.530	750.0626	401.8596
.145038	.01	1	.0101972	2.320608	.295299	7.500610	401.8596
14.2233	.9806649	98.06649	1	227.5739	28.95901	735.5588	393.7118
.0625	.0043092	.4309223	.0043942	1	.1272513	3.23218	1.73004
.4911542	.0338639	3.386389	.0345316	7.85847	1	25.4	13.59548
.0193368	.0013332	.1333225	.0013595	.3093888	.0393701	1	.535255
.0361263	.0024908	.2490819	.0025422	.578020	.0735539	1.868268	1

\* 1 kPa = 1 kN/m<sup>2</sup>, 1 mmHg = 1 Torr, 1Kg/cm<sup>2</sup> = 1 kp/cm<sup>2</sup>  
 (Conversions of: H<sub>2</sub>O are at 39.2°F (4°C): Hg are at 32°F (0°C))

### CONVERSIONS FOR HYDRAULIC RAM CAPACITY

$$\text{psi} \times \text{AREA} = (\text{LBS.}) \text{ FORCE}$$

$$\text{TONS} = \frac{\text{psi} \times .7854 \times D^2}{2000}$$

$$\text{psi} = \frac{\text{TONS}}{D^2 \times .0003927}$$

**For further assistance with conversions please consult the factory.**