

PRODUCT INFORMATION**PRESSURE CONVERSION TABLE**

The attached drawing 96B149 REV. C is a table of conversion factors that will assist you in converting from one pressure unit to another. This should be particularly useful when discussing metric ranges and relating them to English (psi) ranges in order to select the correct pressure system.

CONVERSION FACTORS FOR UNITS OF PRESSURE MULTIPLY BY

TO CONVERT FROM TO	PSI	MILLIBAR	BAR	ATM	PASCAL	KILO PASCAL	CM WATER AT 20°C	IN. WATER AT 20°C	FT. WATER AT 20°C	MM HG AT 20°C	IN. HG AT 0°C	LB/FT ²	GM/CM ²	KG/CM ²	IN. SEA WATER	FT. SEA WATER	METERS SEA WATER	IN. WATER AT 60°F*
PSI	1	68.9476	0.0689476	0.0680460	6894.76	6.89476	70.433	27.730	2.3108	51.7149	2.03602	144.0	70.30696	0.07030696	26.9484	2.2457	0.684482	1.000804
MILLIBAR	0.0145038	1	0.001	9.86923 X 10 ⁻⁴	100	0.100	1.0215	0.40218	0.03352	0.75006	0.0295300	2.0885	1.019716	0.00101972	0.39085	0.032571	0.0099276	0.014515
BAR	14.5038	1000	1	0.986923	100000	100	1021.5	402.18	33.52	750.06	29.5300	2088.5	1019.716	1.019716	390.85	32.571	9.9276	14.51546
ATM	14.6959	1013.25	1.01325	1	101325	101.325	1035.08	407.511	33.959	760.0	29.9213	2116.21	1033.227	1.033227	396.031	33.002	10.0591	14.70772
PASCAL	1.45038 X 10 ⁻⁴	0.01	0.00001	9.86923 X 10 ⁻⁶	1	0.001	0.010215	0.0040218	3.352 X 10 ⁻⁴	7.5006 X 10 ⁻³	2.95300 X 10 ⁻⁴	0.02089	0.0109716	1.019716 X 10 ⁻⁵	39.085	3.2571 X 10 ⁻⁴	9.9276 X 10 ⁻⁵	1.45155 X 10 ⁻⁴
KILO PASCAL	0.1455038	10.0	0.010	0.0098692	1000	1	10.215	4.0218	0.3352	7.5006	0.295300	20.89	10.19716	0.0101972	3.9085	0.32571	0.099276	0.145155
CM WATER AT 20°C	0.1455038	0.97891	9.7891 X 10 ⁻⁴	9.66105 X 10 ⁻⁴	97.891	0.097891	1	0.3937	0.03281	0.73424	0.028907	2.0445	0.99821	9.9821 X 10 ⁻⁴	0.382613	0.031884	0.0097182	0.014209
IN. WATER AT 20°C	0.0360683	2.4864	0.0024864	2.45392 X 10 ⁻³	248.64	0.24864	2.5400	1	0.083333	1.8650	0.073424	5.1931	2.5354	0.0025354	0.971840	0.080986	0.024684	0.0360692
FT. WATER AT 20°C	0.432756	29.8368	0.0298368	0.0294470	2983.68	2.98368	30.480	12	1	22.380	0.881089	62.317	30.425	0.030425	11.6621	0.97183	0.29621	0.433104
MM HG AT 0°C	0.0193368	1.33322	0.00133322	0.00131579	133.322	0.133322	1.3619	0.53620	0.04468	1	0.03937	2.7845	1.35951	0.00135951	0.521096	0.043424	0.013236	0.0193949
IN. HG AT 0°C	0.491154	33.8639	0.0338639	0.0334211	3386.39	3.38639	34.593	13.619	1.13491	25.400	1	70.72629	34.5316	0.0345316	13.23581	1.1030	0.33619	0.491549
LB/FT ²	0.0069444	0.478799	4.78799 X 10 ⁻⁴	4.72539 X 10 ⁻⁴	47.880	0.047880	0.048911	0.19257	0.01605	0.35913	0.014139	1	0.48824	4.88239 X 10 ⁻⁴	0.18714	0.015595	4.753332 X 10 ⁻³	6.94998 X 10 ⁻³
GM/CM ²	0.0142233	0.980665	9.80665 X 10 ⁻⁴	9.67842 X 10 ⁻⁴	98.0665	0.0980665	1.0018	0.39441	0.032868	0.735559	0.028959	2.04816	1	0.001	0.38330	0.031940	0.0097355	0.014235
KG/CM ²	14.2233	980.665	0.980665	0.967842	98066.5	98.0665	1001.8	394.41	32.868	735.559	28.959	2048.2	1000	1	383.330	31.9410	9.7355	14.235
IN. SEA WATER	0.037108	2.55851	2.55851 X 10 ⁻³	2.52505 X 10 ⁻³	255.851	0.255851	2.6136	1.02900	0.08575	1.91904	0.07555	5.343552	2.60895	2.60895 X 10 ⁻³	1	0.08333	0.025400	0.037138
FT. SEA WATER	0.4453	30.702	0.030702	0.030301	3070.2	3.0702	31.3638	12.3482	1.02900	23.029	0.90664	64.123	31.308	0.031308	12	1	0.3048	0.445658
METERS SEA WATER	1.46096	100.730	0.100730	0.099409	10073.0	10.0730	102.90	40.512	3.3760	75.553	2.9745	210.378	102.716	0.102716	39.3705	3.2808	1	1.462135
IN. WATER AT 60°F*	0.0360692	2.48846	2.48846	2.45592	248.846	0.248846	2.54207	1.00083	0.083235	1.86650	0.073484	5.19725	2.53246	2.53752	0.97622	0.081052	0.024704	1