

Equivalents of Head and Pressure

| Equivalents of Head and Pressure (in. and feet of water at 68°F, in. and feet mercury at 32°F) | | | | | | | | | | | |
|---|-----------------------------|--------------------|---------|--------------------|-------------------|--------------|--------------|----------------|---------------|---------|---------|
| | lb/in ² (PSI) | lb/ft ² | Atm. | kg/cm ² | kg/m ² | in. water | ft. water | in. mercury | mm mercury | Bars | MPa |
| lb/in ² (PSI) | 1 | 144 | 0.06805 | 0.07031 | 703.07 | 27.7276 | 2.3106 | 2.03602 | 51.715 | 0.06895 | 0.0069 |
| lb/ft ² | 0.00694 | 1 | 0.00047 | 0.00049 | 4088241 | 0.1926 | 0.01605 | 0.01414 | 0.35913 | 0.00048 | 4.8E-05 |
| Atm. | 14.696 | 2116.22 | 1 | 1.0332 | 10332.3 | 407.484 | 33.957 | 29.921 | 760 | 1.01325 | 0.10133 |
| kg/cm ² | 14.2233 | 2048.16 | 0.96784 | 1 | 10000 | 394.38 | 32.865 | 28.959 | 735.559 | 0.98067 | 0.09807 |
| kg/m ² | 0.00142 | 0.20477 | 9.7E-05 | 0.0001 | 1 | 0.03944 | 0.00329 | 0.0029 | 0.07356 | 9.8E-05 | 9.8E-06 |
| in. water | 0.03609 | 5.1972 | 0.00245 | 0.00253 | 25.375 | 1 | 0.08333 | 0.07343 | 1.8651 | 0.00249 | 0.00025 |
| ft. water | 0.43278 | 62.3205 | 0.02945 | 0.03043 | 304.275 | 12 | 1 | 0.88155 | 22.3813 | 0.02984 | 0.00298 |
| in. mercury | 0.49115 | 70.7262 | 0.03342 | 0.03453 | 345.316 | 13.6185 | 1.1349 | 1 | 25.4001 | 0.03386 | 0.00339 |
| mm mercury | 0.01934 | 2.7845 | 0.00132 | 0.00136 | 13.5951 | 0.53616 | 0.04468 | 0.03937 | 1 | 0.00133 | 0.00013 |
| Bars | 14.5038 | 2088.55 | 0.98692 | 1.01972 | 10197.2 | 402.156 | 33.513 | 29.53 | 750.062 | 1 | 0.1 |
| MPa | 145.038 | 20885.5 | 9.8692 | 10.1972 | 101972 | 4021.56 | 335.13 | 295.3 | 7500.62 | 10 | 1 |