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PRESSURE RELATIONS CHART

Standard atmosphere
 ↑
 vacuum pressure range
 ↓
 perfect vacuum

| ATM | PSIA | PSIG | IN HgA | IN HgG | mmHgA | mmHgG |
|------|-------|--------|--------|--------|---------|---------|
| 2.00 | 29.40 | 14.70 | 60.00 | 30.00 | 1520.00 | 760.00 |
| 1.75 | 25.70 | 11.00 | 52.50 | 22.50 | 1330.00 | 570.00 |
| 1.50 | 22.10 | 7.40 | 45.00 | 15.00 | 1140.00 | 380.00 |
| 1.25 | 18.40 | 3.70 | 37.50 | 7.50 | 950.00 | 190.00 |
| 1.00 | 14.70 | 0.00 | 30.00 | 0.00 | 760.00 | 0.00 |
| 0.75 | 11.00 | -3.70 | 22.50 | -7.50 | 570.00 | -190.00 |
| 0.50 | 7.40 | -7.40 | 15.00 | -15.00 | 380.00 | -380.00 |
| 0.25 | 3.70 | -11.00 | 7.50 | -22.50 | 190.00 | -570.00 |
| 0.00 | 0.00 | -14.70 | 0.00 | -30.00 | 0.00 | -760.00 |

Standard atmosphere
 ↑
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Absolute Gauge ⑦ ⑥ Absolute Gauge
 ↙ ↘ ↙ ↘ ↙ ↘

To convert from one system of pressures to another, use the following fact:

$$1 \text{ ATM} = 14.7 \text{ PSIA} = 30 \text{ IN HgA} = 760 \text{ mmHgA}$$

$$\text{Gauge pressure} = \text{Absolute pressure} - \text{Barometric Pressure}$$