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PRESSURE RELATIONS CHART

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

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

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