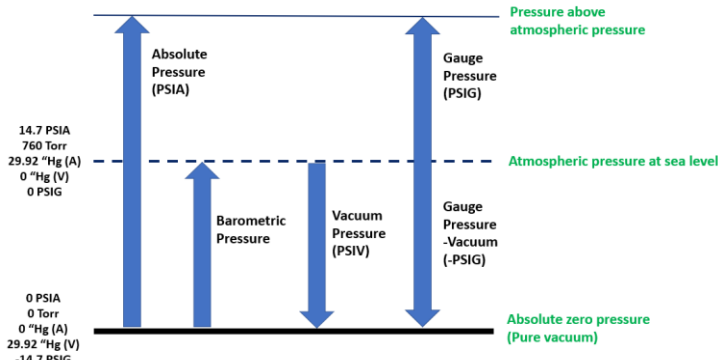


- Pumps & Vacuum Pumps
- Blowers & Vacuum Boosters
- Equipment Sizing & Selection
- Technical Support
- Welding & Fabrication
- Application Engineering
- System Engineering
- 3D CAD Engineering Software
- 2D CAD Drawings
- Custom Engineered Packages

### Vacuum Pressure Unit Conversion

Micron	Torr mmHg (A)	bar	mBar	PSIA	PSIG	"Hg (A) Barometric	"Hg (V)	"H <sub>2</sub> O (A)	"H <sub>2</sub> O (V)	Atm	kPa	% Vacuum
760000	760	1.0131	1013	14.70	0	29.92	0	406.60	0	1	101.308	0
750000	750	1	1000	14.51	-0.19	29.53	0.39	401.25	5.35	0.990	99.975	1.3
735600	735.6	0.9806	981	14.23	-0.47	28.96	0.96	393.55	13.05	0.971	98.055	3.2
700000	700	0.9331	933	13.54	-1.16	27.56	2.36	374.50	32.10	0.924	93.310	7.9
600000	600	0.7998	800	11.60	-3.09	23.62	6.30	321.00	85.60	0.792	79.980	21.1
500000	500	0.6665	667	9.67	-5.03	19.69	10.24	267.50	139.10	0.660	66.650	34.2
400000	400	0.5332	533	7.74	-6.96	15.75	14.17	214.00	192.60	0.528	53.320	47.4
380000	380	0.5065	507	7.35	-7.35	14.96	14.96	203.30	203.30	0.502	50.654	50.0
300000	300	0.3999	400	5.80	-8.90	11.81	18.11	160.50	246.10	0.396	39.990	60.5
200000	200	0.2666	267	3.87	-10.83	7.87	22.05	107.00	299.60	0.264	26.660	73.7
100000	100	0.1333	133	1.93	-12.76	3.94	25.98	53.50	353.10	0.132	13.330	86.8
90000	90	0.11997	120	1.74	-12.96	3.54	26.38	48.15	358.45	0.119	11.997	88.2
80000	80	0.10664	106.6	1.55	-13.15	3.15	26.77	42.80	363.80	0.106	10.664	89.5
70000	70	0.09331	93.3	1.35	-13.34	2.76	27.16	37.45	369.15	0.0924	9.331	90.8
60000	60	0.07998	80.0	1.16	-13.54	2.36	27.56	32.10	374.50	0.0792	7.998	92.1
51710	51.7	0.06893	68.9	1	-13.70	2.04	27.88	27.66	378.94	0.0683	6.893	93.2
50000	50	0.06665	66.7	0.97	-13.73	1.97	27.95	26.75	379.85	0.0660	6.665	93.4
40000	40	0.05332	53.3	0.77	-13.92	1.57	28.35	21.40	385.20	0.0528	5.332	94.7
30000	30	0.03999	40.0	0.58	-14.12	1.18	28.74	16.05	390.55	0.0396	3.999	96.1
25400	25.4	0.03386	33.9	0.49	-14.21	1	28.92	13.59	393.01	0.0335	3.386	96.7
20000	20	0.02666	26.7	0.39	-14.31	0.787	29.13	10.70	395.90	0.0264	2.666	97.4
15000	15	0.02000	20.0	0.29	-14.41	0.591	29.33	8.03	398.58	0.0198	2.000	98.0
10000	10	0.01333	13.3	0.19	-14.50	0.394	29.53	5.35	401.25	0.0132	1.333	98.7
7600	7.6	0.01013	10.1	0.147	-14.55	0.299	29.62	4.07	402.53	0.0100	1.013	99.00
7500	7.5	0.01000	10.0	0.145	-14.55	0.295	29.62	4.01	402.59	0.0099	1	99.01
5000	5	0.00667	6.7	0.097	-14.60	0.197	29.72	2.68	403.93	0.0066	0.667	99.34
2500	2.5	0.00333	3.3	0.048	-14.65	0.098	29.82	1.34	405.26	0.0033	0.333	99.67
1868	1.868	0.00249	2.5	0.036	-14.66	0.074	29.85	1	405.60	0.0025	0.249	99.75
1000	1	0.00133	1.3	0.019	-14.68	0.039	29.88	0.54	406.07	0.00132	0.133	99.868
750	0.75	0.00100	1	0.015	-14.68	0.030	29.89	0.40	406.20	0.00099	0.100	99.901
500	0.5	0.00067	0.7	0.010	-14.69	0.020	29.90	0.27	406.33	0.00066	0.067	99.934
250	0.25	0.00033	0.3	0.005	-14.69	0.010	29.91	0.13	406.47	0.00033	0.033	99.967
100	0.1	0.00013	0.1333	0.002	-14.70	0.004	29.92	0.0535	406.55	0.00013	0.013	99.987
10	0.01	0.00001	0.0133	0.0002	-14.70	0.0004	29.92	0.00535	406.59	0.0000132	0.001	99.999
1	0.001	0.000001	0.0013	0.00002	-14.70	0.00004	29.92	0.000535	406.60	0.0000013	0.0001	99.9999
0.25	0.0003	0.0000003	0.0003	0.00000	-14.70	0.000010	29.92	0.000134	406.60	0.0000003	0.00003	99.99997
0.1	0.0001	0.0000001	0.0001	0.00000	-14.70	0.000004	29.92	0.000054	406.60	0.0000001	0.00001	99.99999

(A) = absolute pressure, (G) = gauge pressure, (V) = vacuum pressure



#### Locations:

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 Oregon: 503-708-9609  
 Email: [info@nwflowtech.com](mailto:info@nwflowtech.com)

#### Conversion Factors:

PSIA x 27.68 = "H<sub>2</sub>O (A)      Torr x .535 = "H<sub>2</sub>O (A)  
 PSIA x 2.036 = "Hg (A)      Torr x .03937 = "Hg (A)  
 PSIA x .06895 = bar      Torr x .001333 = bar  
 PSIA x 68.95 = mBar      Torr x 1.333 = mBar  
 PSIA x 6.895 = kPa      Torr x .13 = kPa  
 PSIA x 51.71 = Torr      Torr x .001316 = Atm  
 PSIA x .06805 = Atm      Torr x .01934 = PSIA  
 PSIA x 51710 = micron



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