

# Millrock Technology

Torr	mbar	"HgV	"HgA	psia	% Vacuum
760	1013.00	0.000	29.921	14.696	0.00
750	999.67	0.394	29.527	14.503	1.32
700	933.03	2.362	27.559	13.536	7.89
600	799.74	6.299	23.622	11.602	21.05
500	666.45	10.236	19.685	9.668	34.21
400	533.18	14.173	15.748	7.737	47.37
380	506.50	14.961	14.961	7.348	50.00
300	399.87	18.110	11.811	5.801	60.53
200	266.58	22.047	7.874	3.867	73.68
150	199.93	24.016	5.905	2.901	80.26
100	133.29	25.984	3.937	1.934	86.84
90	119.96	26.378	3.543	1.740	88.16
80	106.63	26.771	3.150	1.547	89.47
70	93.30	27.165	2.756	1.354	90.79
60	79.97	27.559	2.362	1.160	92.11
50	66.64	27.953	1.968	0.967	93.42
40	53.32	28.346	1.575	0.773	94.74
30	39.99	28.740	1.181	0.580	96.05
25.4	33.86	28.921	1.0000	0.491	96.66
20	26.66	29.134	0.7874	0.387	97.37
10	13.33	29.527	0.3937	0.19337	98.68
7.6	10.13	29.622	0.2992	0.14696	99.00
1.00	1.3329	29.882	0.0394	0.01934	99.87
0.75	0.9997	29.891	0.0295	0.01450	99.90
0.50	0.6664	29.9013	0.01968	0.00967	99.9342
0.10	0.1333	29.9171	0.00394	0.00193	99.9868
0.01	0.0133	29.9206	0.00039	0.00019	99.9987
0.00	0.0000	29.9210	0.00000	0.00000	100.0000

## Conversion Formulas

$$\begin{aligned}
 \text{Torr (mmHg)} &= 760 - ("HgV \times 25.4) \\
 &= "HgA \times 25.4 \\
 &= \text{psia} \times 51.7 \\
 &= \text{mbar} \times 0.75
 \end{aligned}$$

$$\begin{aligned}
 "Hg\text{Absolute} &= \text{mmHg}/25.4 \\
 &= 29.92 - "HgV \\
 &= \text{psia} \times 2 \\
 &= \text{mbar} \times 0.0295
 \end{aligned}$$

$$\begin{aligned}
 "Hg\text{Vacuum} &= 29.92 - (\text{mmHg}/25.4) \\
 &= 29.92 - "HgA \\
 &= 29.92 - (\text{psia} \times 2.036) \\
 &= 29.92 - (\text{mbar} \times 0.0295) \\
 &= "wc \times 0.0735
 \end{aligned}$$