

Vacuum Pressure Guide

| Contact Diameter in inches | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|----------------------------|---|---|---|---|---|---|----|----|----|----|----|----|----|
|----------------------------|---|---|---|---|---|---|----|----|----|----|----|----|----|

| Vacuum HG | Pounds of Pressure | | | | | | | | | | | | |
|-----------|--------------------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| 2.5 | 15 | 24 | 35 | 47 | 62 | 78 | 96 | 117 | 139 | 163 | 189 | 217 | 247 |
| 5 | 31 | 48 | 69 | 94 | 123 | 156 | 193 | 233 | 278 | 326 | 378 | 434 | 494 |
| 7.5 | 49 | 72 | 104 | 142 | 185 | 234 | 289 | 350 | 416 | 489 | 567 | 651 | 740 |
| 10 | 62 | 96 | 139 | 189 | 247 | 312 | 386 | 467 | 555 | 652 | 756 | 868 | 987 |
| 12.5 | 77 | 121 | 174 | 236 | 309 | 390 | 482 | 583 | 694 | 815 | 945 | 1085 | 1234 |
| 15 | 93 | 145 | 208 | 283 | 370 | 469 | 578 | 700 | 833 | 978 | 1134 | 1302 | 1481 |
| 17.5 | 108 | 169 | 243 | 331 | 432 | 547 | 675 | 817 | 972 | 1141 | 1323 | 1518 | 1728 |
| 20 | 123 | 193 | 278 | 378 | 494 | 625 | 771 | 933 | 1111 | 1303 | 1512 | 1735 | 1974 |
| 22.5 | 139 | 217 | 312 | 425 | 555 | 703 | 868 | 1050 | 1249 | 1466 | 1701 | 1952 | 2221 |
| 25 | 154 | 241 | 347 | 472 | 617 | 781 | 964 | 1167 | 1388 | 1629 | 1890 | 2169 | 2468 |

$$P = \pi r^2 \cdot .491 \cdot hg$$

P=Pressure in lbs. per square inch (psi)

hg= inches of mercury