

Vacuum Forces

		Diameter (inches)	
		3.5	5.5
Area (SI):		9.6	23.8
Inches of Hg	Pressure in PSI	Pounds of pressure from a 3.5 " Chuck	Pounds of pressure from a 5.5 " Chuck
1	0.5	4.7	11.7
2	1.0	9.4	23.3
3	1.5	14.2	35.0
4	2.0	18.9	46.7
5	2.5	23.6	58.3
6	2.9	28.3	70.0
7	3.4	33.1	81.7
8	3.9	37.8	93.3
9	4.4	42.5	105.0
10	4.9	47.2	116.7
11	5.4	52.0	128.3
12	5.9	56.7	140.0
13	6.4	61.4	151.7
14	6.9	66.1	163.3
15	7.4	70.9	175.0
16	7.9	75.6	186.7
17	8.3	80.3	198.4
18	8.8	85.0	210.0
19	9.3	89.8	221.7
20	9.8	94.5	233.4
21	10.3	99.2	245.0
22	10.8	103.9	256.7
23	11.3	108.7	268.4
24	11.8	113.4	280.0
25	12.3	118.1	291.7
26	12.8	122.8	303.4
27	13.3	127.6	315.0
28	13.8	132.3	326.7
29	14.2	137.0	338.4

Pressure = Gage x D x D x .3857