



# PROVOAST

## automation controls

CYLINDER BORE (inches)	CYLINDER SPEED (inches per second)							
	6	12	18	24	30	36	48	60
5/16	.004	.007	.010	.014	.018	.020	.028	.035
7/16	.007	.014	.210	.028	.035	.042	.056	.070
9/16	.012	.024	.036	.048	.060	.072	.096	.120
3/4	.020	.040	.060	.080	.100	.120	.160	.200
7/8	.028	.056	.084	.112	.140	.168	.224	.280
1	.036	.072	.108	.144	.180	.216	.288	.360
1-1/16	.014	.082	.123	.164	.205	.246	.328	.410
1-1/8	.046	.093	.140	.186	.232	.280	.372	.460
1-1/4	.056	.113	.170	.226	.282	.340	.452	.560
1-1/2	.082	.164	.246	.328	.410	.490	.656	.820
2	.145	.290	.435	.580	.725	.870	1.160	1.450
2-1/2	.230	.460	.690	.920	1.150	1.380	1.840	2.300
3	.330	.660	.990	1.320	1.650	1.980	2.640	3.300
3-1/4	.385	.770	1.160	1.540	1.920	2.300	3.080	3.850
4	.585	1.170	1.750	2.340	2.930	3.510	4.680	5.850
5	.915	1.830	2.750	3.660	4.580	5.500	7.320	9.150
6	1.320	2.630	3.940	5.260	6.580	7.900	10.520	13.200
7	1.790	3.580	5.370	7.160	8.950	10.740	14.320	17.900
8	2.330	4.660	6.990	9.320	11.650	13.980	18.640	23.300
10	3.650	7.300	10.950	14.600	18.250	21.900	29.200	36.500

PLEASE NOTE: The figures in the chart are estimated Cv values to determine air valve size. The cylinder speed should be the highest rated speed the cylinder reaches during its stroke. For a short-stroke, slow-speed cylinder, add 10% to the average. For a long-stroke, high-speed cylinder, add 50% to the average.

Questions? Get help from your local Provoast Representative by calling 858.748.2237  
 You can also get local representative contact information at [www.proautocon.com](http://www.proautocon.com)