

CAPACITIES OF CONTROL VALVES FOR WATER

Water Capacity Table Gallons Per Minute

PRESSURE DROP—pounds per square inch

	1	5	10	20	30	40	50	60	80	100	125	150
½	2.7	6	9.1	13	16	19	21	25	27	31	34	39
¾	5.4	13	19	26	32	39	42	50	58	63	70	80
1	8	18	27	38	48	58	62	73	81	90	100	120
1¼	13	30	48	62	79	92	100	120	140	150	160	180
1½	22	48	73	99	120	150	160	190	220	240	270	300
2	30	67	100	140	170	210	230	270	300	350	380	420
2½	44	95	150	200	250	300	350	390	440	500	550	620
3	68	140	230	300	370	450	500	590	650	720	800	900
4	180	400	600	800	1000	1300	1400	1600	1800	2000	2400	2500
6	360	790	1200	1700	2100	2500	2700	3200	3600	4100	4800	5000
8	740	1700	2600	3500	4400	5400	5900	6900	7700	8800	9800	12000

VALVE SIZES

PRESSURE DROP IS DIFFERENCE BETWEEN INLET PRESSURE AND REDUCED PRESSURE.

MULTIPLIERS TO BE USED

VALVE NO.	¾	1	1¼	1½	2	2½	3	4	5	6	8	10
700	.40	.40	.35	.35	.54	.44	.54	.35				
701					1.60	1.30	1.30	.90	1.00	1.00	.90	1.00
114-114R-116-116R	*	*	*	*	*	*	*	*	*	*	*	*
118-118R-119-119R	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55
11A	.60	.60	.40	.60	.40	.40	.30					

*USE TABLE AS SHOWN

CAPACITIES OF PRESSURE REGULATORS FOR AIR

AIR—STANDARD CUBIC FEET PER MINUTE							
Inlet Pressure	Outlet Pressure	VALVE SIZE					
		½"	¾"	1"	1¼"	1½"	2"
30	2-10	44	80	145	195	385	675
50	5-20	65	115	205	290	535	965
	30	60	105	190	255	500	865
60	5-25	70	130	235	320	616	1100
	40	65	115	210	295	550	965
75	5-30	85	160	280	385	735	1330
	50	80	140	255	345	665	1200
100	5-50	110	200	360	480	935	1670
	60	105	190	345	465	900	1600
	80	85	155	280	375	735	1300
125	5-60	135	245	440	600	1170	2070
	80	125	230	415	560	1100	1930
	100	105	185	340	455	900	1600
150	5-70	160	295	530	695	1330	2400
	100	150	265	480	655	1270	2230
	125	115	200	375	505	965	1730
175	5-90	185	335	615	825	1600	2830
	100	180	325	585	800	1570	2730
	125	160	295	520	695	1400	2470
	150	125	225	400	560	1070	1900
200	5-100	200	375	665	935	1730	3170
	125	195	360	640	880	1670	3000
	150	180	325	585	800	1570	2730
	175	135	240	426	585	1130	2000
225	5-120	225	400	735	1010	1930	3500
	150	220	385	695	960	1830	3270
	175	190	345	615	825	1600	2870
	200	145	255	455	625	1200	2130
250	5-130	255	480	825	1120	2230	3930
	150	255	455	800	1090	2130	3830
	175	235	425	745	1010	2000	3500
	200	205	365	655	905	1700	3070
	225	150	265	480	655	1270	2230
275	5-140	288	506	930	1250	2430	4290
	175	275	480	880	1190	2310	4080
	200	250	445	815	1100	2130	3760
	225	215	385	700	945	1840	3240
300	5-150	315	555	1010	1360	2650	4670
	175	305	540	990	1130	2580	4560
	200	290	515	940	1270	2460	4350
	225	265	470	860	1160	2250	3970
*325	5-170	335	595	1090	1470	2850	5030
	200	325	575	1050	1420	2750	4850
	225	305	540	990	1340	2600	4590

*Capacities for Pressure Regulators at pressures higher than 325 psi, as well as for sizes larger than 2" available on request.
Air Capacities for valves 2½" and larger, use Table on page 16 and divide by 3.