

Solenoid Valve Reference Chart

Valve Model Number	Action	Pressure Differential				Body Material	Orifice Dia. (in)		Pipe Size NPT	CV Flow Factor #	GPM @ 60 PSI (cv# x sq. root psi)	Liters/M @ 4.08 Bars
		Max PSI	Min PSI	Max bar	Min bar		Frac	Dec				
Standard Duty												
401P	Direct	150	0	10.2	0	Brass	7/64	0.109	1/4	0.27	2.09	7.92
412P	Pilot-Piston	150	1	10.2	0.068	Brass	9/32	0.281	3/8	1.20	9.30	35.18
A413P	Pilot-Piston	150	3	10.2	0.204	Brass	5/16	0.313	3/8	2.00	15.49	58.64
A414P	Pilot-Piston	150	3	10.2	0.204	Brass	7/16	0.438	1/2	3.10	24.01	90.89
A416P	Pilot-Piston	150	3	10.2	0.204	Brass	19/32	0.593	3/4	5.00	38.73	146.59
A418P	Pilot-Piston	150	3	10.2	0.204	Brass	3/4	0.750	1	8.00	61.97	234.55
424-2	Direct	125	0	8.5	0	Stl. Steel	1/8	0.125	1/4	0.30	2.32	8.80
Mini Valves Normally Closed												
442P	Diaphragm	125	3	8.5	0.204	Brass	1/4	0.250	1/4	1.00	7.75	29.32
443P	Diaphragm	125	3	8.5	0.204	Brass	1/4	0.250	3/8	1.00	7.75	29.32
P442	Diaphragm	125	3	8.5	0.204	Celcon	1/4	0.250	1/4	1.00	7.75	29.32
P443	Diaphragm	125	3	8.5	0.204	Celcon	1/4	0.250	3/8	1.00	7.75	29.32
P462	Diaphragm	125	3	8.5	0.204	Celcon	1/4	0.250	1/4	1.00	7.75	29.32
P462F	Dia/flow disc	125	3	8.5	0.204	Celcon	1/4	0.250	1/4	disc	.5-1.0-1.5	
P463	Diaphragm	125	3	8.5	0.204	Celcon	1/4	0.250	3/8	1.00	7.75	29.32
P463F	Dia/flow disc	125	3	8.5	0.204	Celcon	1/4	0.250	3/8	disc	.5-1.0-1.5	
P404J	Diaphragm	150	3	10.2	0.204	GF Poly	3/8	0.375	1/2	1.00	7.75	29.32
463PS	Diaphragm	150	3	10.2	0.204	Stl. Steel	3/8	0.375	3/8	2.00	15.49	58.64
464PS	Diaphragm	150	3	10.2	0.204	Stl. Steel	3/8	0.375	1/2	2.00	15.49	58.64
466PS	Diaphragm	150	3	10.2	0.204	Stl. Steel	3/8	0.375	3/4	2.00	15.49	58.64
Mini Valves Normally Open												
OP442	Diaphragm	125	3	8.5	0.204	Celcon	1/4	0.250	1/4	1.00	7.75	29.32
OP443	Diaphragm	125	3	8.5	0.204	Celcon	1/4	0.250	3/8	1.00	7.75	29.32
O442P	Diaphragm	125	3	8.5	0.204	Brass	1/4	0.250	1/4	1.00	7.75	29.32
O443P	Diaphragm	125	3	8.5	0.204	Brass	1/4	0.250	3/8	1.00	7.75	29.32
O463PS	Diaphragm	150	3	10.2	0.204	Stl. Steel	3/8	0.375	3/8	2.00	15.49	58.64
O464PS	Diaphragm	150	3	10.2	0.204	Stl. Steel	3/8	0.375	1/2	2.00	15.49	58.64
Diaphragm Valves Normally Closed												
466P	Diaphragm	150	3	10.2	0.204	GF Nylon	3/4	0.750	3/4	10.00	77.46	293.18
473P	Diaphragm	150	1	10.2	0.068	Brass	9/16	0.563	3/8	3.50	27.11	102.61
474P	Diaphragm	150	1	10.2	0.068	Brass	9/16	0.563	1/2	4.00	30.98	117.27
476P	Diaphragm	150	1	10.2	0.068	Brass	3/4	0.750	3/4	5.00	38.73	146.59
476PS	Diaphragm	150	1	10.2	0.068	Stl. Steel	3/4	0.750	3/4	5.00	38.73	146.59
478PS	Diaphragm	150	1	10.2	0.068	Stl. Steel	1	1.000	1	13.00	100.70	381.14
Diaphragm Valves Normally Open												
O473P	Diaphragm	150	1	10.2	0.068	Brass	9/16	0.563	3/8	5.00	38.73	146.59
O474P	Diaphragm	150	1	10.2	0.068	Brass	9/16	0.563	1/2	5.00	38.73	146.59
O476P	Diaphragm	150	1	10.2	0.068	Brass	3/4	0.750	3/4	5.00	38.73	146.59
High Pressure Normally Closed												
453P*	Pilot-Piston	1200	10	81.6	0.68	Brass	7/20	0.350	3/8	1.80	13.94	52.77
453S**	Pilot-Piston	1200	10	81.6	0.68	Brass	7/20	0.350	3/8	1.80	13.94	52.77
454P***	Pilot-Piston	1200	10	81.6	0.68	Brass	1/2	0.500	1/2	3.70	28.66	108.48
458P***	Pilot-Piston	1200	10	81.6	0.68	Brass	15/16	0.939	1	11.10	85.98	325.44
458PS**	Pilot-Piston	1200	10	81.6	0.68	Brass	15/16	0.939	1	11.10	85.98	325.44
High Pressure Normally Open												
O453P		1000	10	68	0.68	Brass	7/20	0.350	3/8	1.80	13.94	52.77
O453S**		1000	10	68	0.68	Brass	7/20	0.350	3/8	1.80	13.94	52.77
Direct Acting Corrosive Liquids												
481P	Direct-Dia	Vac.	-	-	-	PVC	5/32	0.172	1/8	0.27	2.09	7.92
481-2	Direct-Dia	Vac.	-	-	-	PVC	5/32	0.172	1/8	0.27	2.09	7.92
481-2	Injector-Dual inlet	-	-	-	-	PVC	5/32	0.172	1/8	0.27	2.09	7.92
482-2	Direct -Dia	Vac.	-	-	-	PVC	5/32	0.172	1/4	0.27	2.09	7.92
482-2	Adjustable	-	-	-	-	PVC	5/32	0.172	1/4	0.27	2.09	7.92
Round Body Single Station												
491S	Direct	150	0	10.2	0	Brass	1/8	0.125	1/8	0.27	2.09	7.92
492S	Direct	150	0	10.2	0	Brass	1/8	0.125	1/8	0.27	2.09	7.92
Manifold Valves												
464M	Diaphragm	150	0	10.2	0	Stl. Steel	3/8	0.375	1/2	2	15.49	58.64
492M	Direct	150	0	10.2	0	Brass	1/8	0.125	1/4	0.27	2.09	7.92
492MSS	Direct	150	0	10.2	0	Stl. Steel	1/8	0.125	1/4	0.27	2.09	7.92

*Stainless Steel Piston
 **"S" designates stainless steel sleeve and piston