



Body-Ported High-Flow Solenoid Valves

- Max. temp. range: -10° to 180°F
- 100% duty cycle
- Uses 22mm coils

Prelubed units can operate without air line lubrication. 1 connector required for each coil; each is its own junction box with molded connectors and gaskets to protect electrical connections. Total coil rating is 211°F which includes heat rise. 4-way K-series valves have solenoid override for easy means of setting up and troubleshooting circuits without power to the solenoids.

Note: 22mm coils and connectors available separately, see page 2431.

Pipe Size	Actuator/Return	Voltage	Max. Operating (psi)	CFM	Cv	Mfr. Model	Item No.
3-Way, 2-Position (H Series)							
3/4 in	Solenoid/Spring	120V AC	30 to 150	81	2.3	H253SS-120-A	4HN60
	Solenoid/Spring	No Coil	30 to 150	81	2.3	H253SS-000-N	4HN58 *
1/2 in	Solenoid/Spring	120V AC	30 to 150	85	2.4	H254SS-120-A	4HN63
	Solenoid/Spring	No Coil	30 to 150	85	2.4	H254SS-000-N	4HN61 *
4-Way, 2-Position (K Series)							
1/2 in	Solenoid/Solenoid	120V AC	20 to 150	90	2.6	K214SD-120-A	2G555
	Solenoid/Spring	120V AC	50 to 150	90	2.6	K214SS-120-A	2G553
3/4 in	Solenoid/Spring	120V AC	50 to 150	270	7.5	K216SS-120-A	2G557
4-Way, 3-Position (K Series)							
3/4 in	Solenoid/Solenoid	120V AC	60 to 150	83	2.3	K313SD-120-A	1XWU4
1/2 in	Solenoid/Solenoid	120V AC	60 to 150	90	2.57	K314SD-120-A	1XWU5

* Order coils separately.

MaxAir Solenoid and Pilot Valves

- 100% duty cycle
- Uses 22mm coils

Note: 1 connector required for each coil. See page 2431 for 22mm solenoid coils and connectors.

Solenoid Valves—Compact, lightweight aluminum valves have locking or nonlocking override adjustments for simple setup and troubleshooting. Use alone or mount

to manifolds (sold separately) when multiple valves are needed in a limited space.

- Max. operating pressure: 115 psi
- Temp. range: 15° to 122°F
- Buna N seals standard

Pilot Valves—Light-duty directional control valves power devices such as cylinders, slides, or gates. Compact, aluminum bar construction.

- Operating pressure range: 45 to 140 psi
- Temp. range: 15° to 122°F



		120 VAC			24 VDC		
Pipe Size	CFM	Cv	Mfr. Model	Item No.	Mfr. Model	Item No.	
3-Way, 2-Position, Solenoid/Spring							
1/4 in	26	0.7	M252SS-120-A	4YT62	M252SS-024-D	4YT63	
3/4 in	61	1.65	M253SS-120-A	4YT64	M253SS-024-D	4YT65	
1/2 in	150	4.32	M254SS-120-A	4YT66	M254SS-024-D	4YT67	
		120V AC			24V DC		
Pipe Size	Actuator/Return	CFM	Cv	Mfr. Model	Item No.	Mfr. Model	Item No.
4-Way, 2-Position							
1/4 in	Solenoid/Spring	26	0.7	M212SS-120-A	4KA88	M212SS-024-D	4KA89
	Solenoid/Solenoid	26	0.7	M212SD-120-A	4KA91	M212SD-024-D	4KA92
3/4 in	Solenoid/Spring	61	1.65	M213SS-120-A	4KA94	M213SS-024-D	4KA95
	Solenoid/Solenoid	61	1.65	M213SD-120-A	4KA97	M213SD-024-D	4KA98
1/2 in	Solenoid/Spring	150	4.32	M214SS-120-A	4KB10	M214SS-024-D	4KB11
	Solenoid/Solenoid	150	4.32	M214SD-120-A	4KB13	M214SD-024-D	4KB14
4-Way, 3-Position (Spring Centered, All Ports Blocked in Neutral), 61 cfm, 0.7 Cv							
1/4 in	Solenoid/Solenoid	120VAC	A222SS-120-A	2G429			
	Solenoid/Spring	—	A222SS-000-N	2F997			
	Solenoid/Solenoid	120VAC	A222SD-120-A	2F995			
	Solenoid/Solenoid	120VAC	A222SD-120-A	2G457			
Accessories for Compact Stacking Power Valves							
Stacking End Plate Kit (1 kit required for each stack of valves)				MKP	2G599		
Isolation Plate				PTN	2G601		
Short L Mounting Bracket				116808	2F807		
Low Pressure Kit				119306	4HN96		

† Order coils separately.

Compact Stacking Solenoid and Pilot Valves

- Operating pressure range: 50 to 150 psi
- Temp. range: 0° to 180°F
- Uses 22mm coils

High flow capacity. Bonded and precision ground urethane-to-aluminum spool for wear resistance. Prelubed; can be operated without air line lubrication. Each stack of valves requires a stacking end plate kit 2G599, sold separately.

Note: When operating below 50 psi, Low Pressure Kit 4HN96 must be used.

Note: 1 connector required for each coil. Coils and connectors sold on page 2431.



Valve Port Size	Pipe Size	Actuator/Return	Coil	Mfr. Model	Item No.
4-Way, 2-Position, 68 cfm, 1.9 Cv					
1/4 in	—	Pilot/Spring	—	A222PS	2F989 †
		Pilot/Pilot	—	A222PD	2F987 †
		Solenoid/Spring	24VDC	A222SS-024-D	4XT38
—	1/4 in	Solenoid/Spring	120VAC	A222SS-120-A	2G429
		Solenoid/Spring	—	A222SS-000-N	2F997 †
		Solenoid/Solenoid	120VAC	A222SD-120-A	2F995
4-Way, 3-Position (Spring Centered, All Ports Blocked in Neutral), 61 cfm, 0.7 Cv					
1/4 in	Solenoid/Solenoid	120VAC	A222SD-120-A	2G457	
Accessories for Compact Stacking Power Valves					
Stacking End Plate Kit (1 kit required for each stack of valves)				MKP	2G599
Isolation Plate				PTN	2G601
Short L Mounting Bracket				116808	2F807
Low Pressure Kit				119306	4HN96

† Order coils separately.

Check and Needle Valves

- Max. operating pressure: 200 psi
- Operating temp. range: 0° to 200°F

Corrosion-resistant valve bodies are made of lightweight composite material. Threaded for panel mount. Lock rings secure set flow rate. Feature calibrated adjustment knob, 4-stage needle, color-coded micrometer, and zinc-plated pipe port inserts.

Check—Use to check or direct air in 1 direction.

Needle—Increase or decrease airflow in both directions, then set with red lock ring.



Inlet Port	Outlet Port	CFM	Mfr. Model	Item No.
Check Valve				
1/4" NPT	1/4" NPT	—	104104-C01	4KE10
1/2" NPT	1/2" NPT	28	104104-C02	4KE12
3/4" NPT	3/4" NPT	58	104104-C03	4KE14
1/2" NPT	1/2" NPT	90	104104-C04	4KE16
Needle Valve				
1/4" NPT	1/4" NPT	—	104104-N01	4KB92
1/2" NPT	1/2" NPT	28	104104-N02	4KB94
3/4" NPT	3/4" NPT	58	104104-N03	4KB96
1/2" NPT	1/2" NPT	90	104104-N04	4KB98