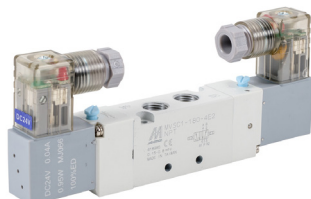




MVSC1 - Series Solenoid Valves



Part No. [100815015321002](#)



Part No. [100818016324001](#)

The MVSC1-150 and MVSC1-180 series are compact solenoid valves designed for precise pneumatic control in industrial automation applications. The MVSC1-150 series features M5×0.8 ports, while the MVSC1-180 series offers 1/8" NPT ports for higher flow capacity. Both series are available in single solenoid and double solenoid configurations with 24 VDC and 110 VAC options.

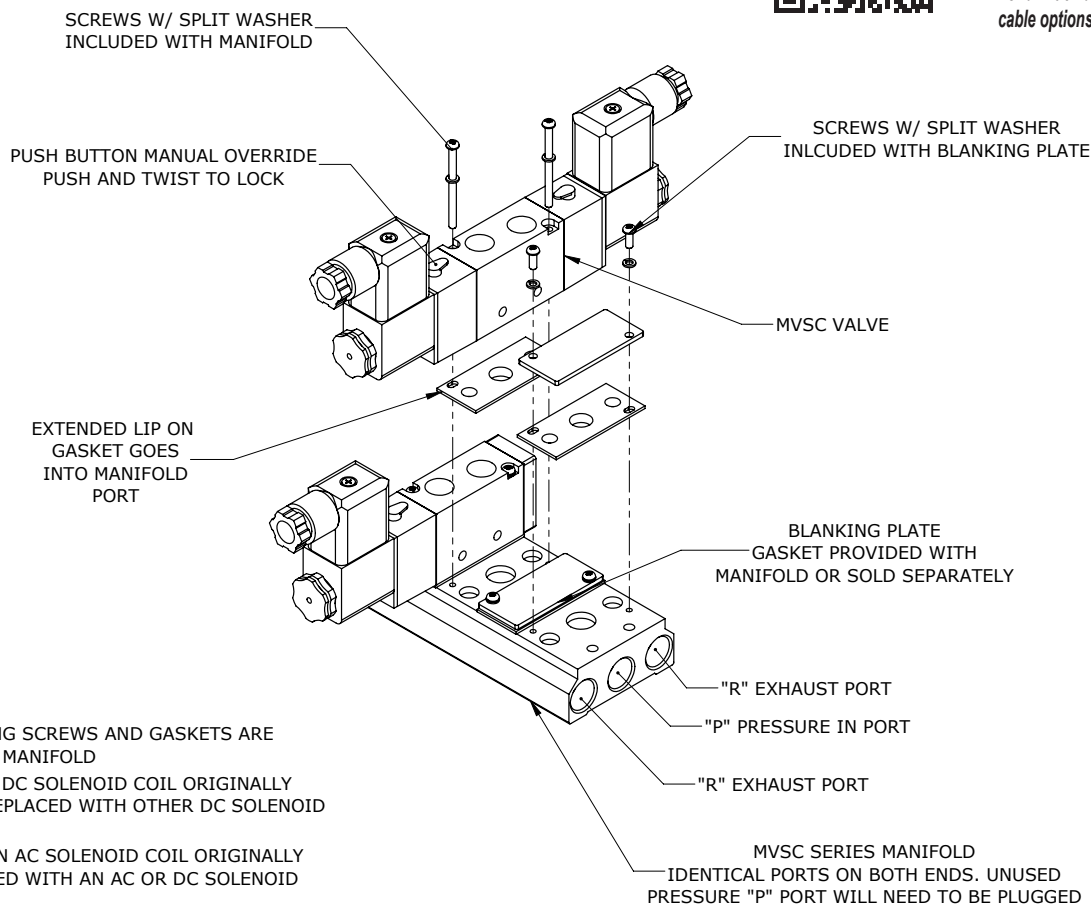
Features

- Versatile configurations: MVSC1-150 offers 4-way/5-port control with M5 threading; MVSC1-180 expands options with 3-way and 4-way configurations plus specialized center position types (closed, pressure, exhaust) with NPT threading
- Fast response times: MVSC1-150 achieves <23 ms (DC) response; MVSC1-180 provides <25-30 ms (DC) depending on model for quick actuation
- Wide pressure range: Operating pressure from 22 to 116 psi with proof pressure rating of 145 psi for reliable performance across various applications
- LED visual indication: All solenoid connectors include built-in LED indicators for instant valve status feedback and easy troubleshooting

Click or scan the QR code for assembly instructions.



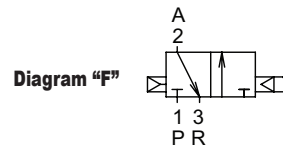
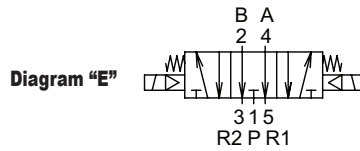
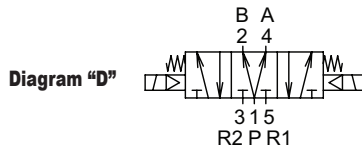
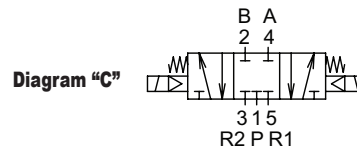
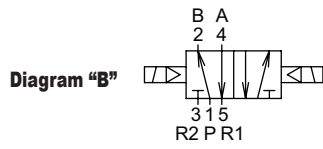
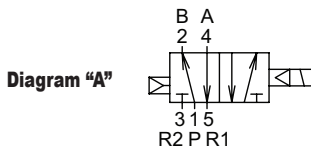
See www.AutomationDirect.com for a wide variety of fitting and cable options



- VALVE MOUNTING SCREWS AND GASKETS ARE SUPPLIED WITH MANIFOLD
- VALVES WITH A DC SOLENOID COIL ORIGINALLY CAN ONLY BE REPLACED WITH OTHER DC SOLENOID COILS.
- VALVES WITH AN AC SOLENOID COIL ORIGINALLY CAN BE REPLACED WITH AN AC OR DC SOLENOID COIL.



MVSC1 - Series Solenoid Valves

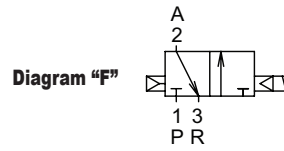
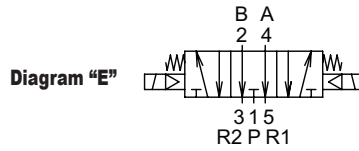
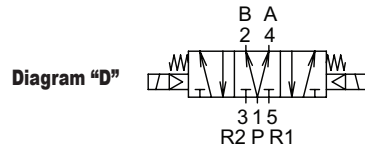
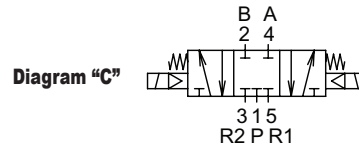
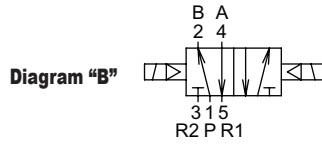
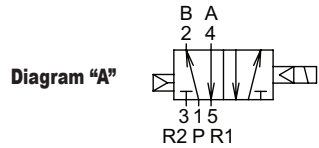


MVSC1 Series Solenoid Valves								
Part No.	100815015321002		100815015521002		100815016321001		100815016521001	
Mfg. Part No.	MVSC1-150-4E1-DC24-L		MVSC1-150-4E1-AC110-L		MVSC1-150-4E2-DC24-L		MVSC1-150-4E2-AC110-L	
Price	\$28.00		\$29.00		\$48.00		\$49.00	
Drawing Link	PDF		PDF		PDF		PDF	
Weight (lb)	0.22		0.21		0.33		0.33	
Manufacturer Specs	PDF				PDF			
Valve Type	5-port (4-way)				3-port (3-way)		5-port (4-way)	
Positions	2							
Pneumatic Diagram	A		B		F		A	
Operating Voltage	24 VDC		110 VAC		24 VDC		110 VAC	
Power Rating	0.95W		1.12 VA		0.95W		1.12 VA	
Electrical Connection	9.4mm DIN style wiring plug							
Valve Configuration	N/A				N.C.		N/A	
Acting	Single solenoid internal pilot return		Double solenoid		Single solenoid internal pilot return			
Inlet Port Size	M5 x 0.8 female				1/8" FNPT			
Outlet Port Size	(2) M5 x 0.8 female				1/8" FNPT		(2) 1/8" FNPT	
Exhaust	(2) M5 x 0.8 female				1/8" FNPT		(2) 1/8" FNPT	
Flow (Cv)	0.21		0.21		0.21		0.21	
Media	Filtered air without lubrication; lubrication, if used, must be continuous							
Min. Operating Pressure	22 psi							
Max. Operating Pressure	116 psi							
Temperature	23 to 122 °F (-5 to +50 °C)							
Lubrication	ISO VG32 or equivalent							
Life Cycle	10 Million cycles							

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).



MVSC1 - Series Solenoid Valves



MVSC1 Series Solenoid Valves								
Part No.	100818015524001		100818016324001		100818016524001		100818017324001	
Mfg. Part No.	MVSC1-180-4E1-AC110-L-NPT		MVSC1-180-4E2-DC24-L-NPT		MVSC1-180-4E2-AC110-L-NPT		MVSC1-180-4E2-DC24-L-NPT	
Price	\$31.00		\$48.00		\$49.00		\$64.00	
Drawing Link	PDF		PDF		PDF		PDF	
Weight (lb)	0.27		0.38		0.38		0.40	
Manufacturer Specs	PDF							
Valve Type	5-port (4-way)							
Positions	2			3				
Pneumatic Diagram	A		B		C		D	E
Operating Voltage	110 VAC		24 VDC		110 VAC		24 VDC	24 VDC
Power Rating	1.12 VA		0.95W		1.12 VA		0.95W	0.95W
Electrical Connection	9.4mm DIN style wiring plug							
Valve Configuration	N/A			Center closed		Center pressure	Center exhaust	
Acting	Single solenoid internal pilot return		Double solenoid					
Inlet Port Size	1/8" FNPT							
Outlet Port Size	(2) 1/8" FNPT							
Exhaust	(2) 1/8" FNPT							
Flow (Cv)	0.67		0.67		0.67		0.5	0.5
Media	Filtered air without lubrication; lubrication, if used, must be continuous							
Min. Operating Pressure	22 psi			29 psi				
Max. Operating Pressure	116 psi			102 psi				
Temperature	23 to 122 °F (-5 to +50°C)							
Lubrication	ISO VG32 or equivalent							
Life Cycle	10 Million cycles							

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).



MVSC1 - Valve Manifolds

Part No. [100015093024001](#)Part No. [100218091064001](#)Part No. [100018093084002](#)

Screws and gaskets included with manifolds.

MVSC1 manifolds fit MVSC1-150 and MVSC1-220 valves. Available in 2 to 8 stations with blanking plates sold separately.

Features

- Made from aluminum
- All manifolds include valve mounting screws and gaskets



See www.AutomationDirect.com for a wide variety of fitting and cable options

MVSC1 - Valve Manifolds								
Part No.	Mfg. Part No.	Number of Stations	Inlet Port Size	Exhaust Port Size	Manufacturer Technical Specifications	Drawing Link	Price	Weight (lb)
100015093024001	MVSC1-150-5B2-NPT	2	(2) 1/8" FNPT	(4) 1/8" FNPT	PDF	PDF	\$11.00	0.41
100015093044001	MVSC1-150-5B4-NPT	4				PDF	\$17.00	0.64
100015093064001	MVSC1-150-5B6-NPT	6				PDF	\$23.00	0.87
100015093084001	MVSC1-150-5B8-NPT	8				PDF	\$29.00	1.11
100218091024001	MVSC1-180-3B2-NPT	2	(2) 1/4" FNPT	(4) 1/4" FNPT	PDF	PDF	\$19.00	0.33
100218091044002	MVSC1-180-3B4-NPT	4				PDF	\$27.00	0.55
100218091064001	MVSC1-180-3B6-NPT	6				PDF	\$32.00	0.77
100218091084001	MVSC1-180-3B8-NPT	8				PDF	\$42.00	0.99
100018093024002	MVSC1-180-5B2-NPT	2	(4) 1/4" FNPT	(4) 1/4" FNPT	PDF	PDF	\$9.50	0.32
100018093044002	MVSC1-180-5B4-NPT	4				PDF	\$17.00	0.53
100018093064002	MVSC1-180-5B6-NPT	6				PDF	\$24.50	0.75
100018093084002	MVSC1-180-5B8-NPT	8				PDF	\$34.00	0.97



MVSC1 - Accessories



Part No. [100018091000002](#)



Part No. [MVSC180-5-SK](#)

MVSC1 - Accessories						
Part No.	Mfg. Part No.	Description	Manufacturer Technical Specifications	Drawing Link	Price	Weight (lb)
100015093000001	MVSC1-150-5P	Mindman blanking plate, plated steel. For use with MVSC1-150 series manifolds. Mounting screws included.	PDF	PDF	\$2.00	0.03
100018091000002	MVSC1-180-3P	Mindman blanking plate, plated steel. For use with MVSC1-180-3 series manifolds. Mounting screws included.	PDF	PDF	\$2.00	0.03
100018093000004	MVSC1-180-5P	Mindman blanking plate, plated steel. For use with MVSC1-180-5 series manifolds. Mounting screws included.		PDF	\$2.00	0.04
MVSC150-SK	N/A	Mindman seal kit, replacement. For use with MVSC1-150 series manifolds. Includes (4) gaskets and (8) screws.	N/A	N/A	\$6.25	0.03
MVSC180-3-SK		Mindman seal kit, replacement. For use with MVSC1-180-3 series manifolds. Includes (4) gaskets and (8) screws.			\$7.75	0.04
MVSC180-5-SK		Mindman seal kit, replacement. For use with MVSC1-180-5 series manifolds. Includes (4) gaskets and (8) screws.			\$6.25	0.05

