

Part No. [103022011324002](#)

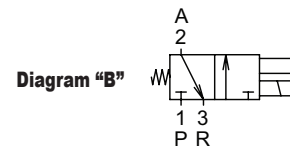
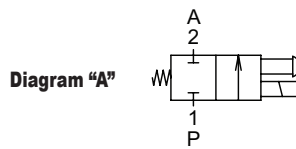
The MVDC-220 series is a compact, direct-acting solenoid valve designed for air applications up to 102 psi. Available in 2-way / 2-position and 3-way / 2-position configurations with 1/8" NPT ports, these valves feature a quick 20 ms response time. The series offers both 24 VDC and 110 VAC power options to accommodate various control system requirements.

Features

- Compact design: 22.3mm width, 155g weight with stacked mounting capability for space-efficient installations
- LED visual indication: Solenoid connector with built-in LED provides instant valve status feedback for easy troubleshooting
- Quick response: 20 ms actuation time with operating pressure range from 0-102 psi
- NPT threading: Standard NPT port threads for easy integration into North American pneumatic systems
- Locking manual override standard on all valves for testing/troubleshooting



Assembly example shown.



MVDC - Stackable Solenoid Valves				
Part No.	103022011324002	103022011524002	103022013324003	103022013524003
Mfg. Part No.	MVDC-220-2E1-DC24-L-NPT	MVDC-220-2E1-AC110-L-NPT	MVDC-220-3E1-DC24-L-NPT	MVDC-220-3E1-AC110-L-NPT
Price	\$28.00	\$28.00	\$28.00	\$28.00
Drawing Link	PDF	PDF	PDF	PDF
Weight (lb)	0.35	0.35	0.35	0.35
Manufacturer Specs	PDF			
Valve Type	2-port (2-way)	2-port (2-way)	3-port (3-way)	3-port (3-way)
Positions	2			
Pneumatic Diagram	A		B	
Operating Voltage	24 VDC	110 VAC	24 VDC	110 VAC
Power Rating	2W	4.4 VA	2W	4.4 VA
Electrical Connection	11mm DIN style wiring plug			
Valve Configuration	N.C.			
Acting	Single solenoid spring return			
Inlet Port Size	(2) 1/8" FNPT			
Outlet Port Size	1/8" FNPT			
Exhaust	N/A		Vent hole	Vent hole
Flow (Cv)	0.04	0.04	0.04	0.04
Media	Filtered air without lubrication; lubrication, if used, must be continuous			
Min. Operating Pressure	0 psi			
Max. Operating Pressure	102 psi			
Temperature	23 to 122 °F (-5 to +50 °C)			
Lubrication	ISO VG32 or equivalent			
Life Cycle	10 Million cycles			

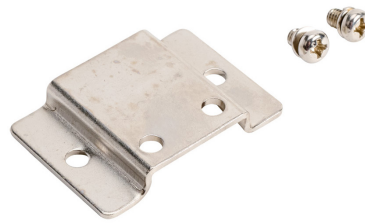
For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).



MVDC - Stackable Solenoid Valves



Part No. 20302200000025

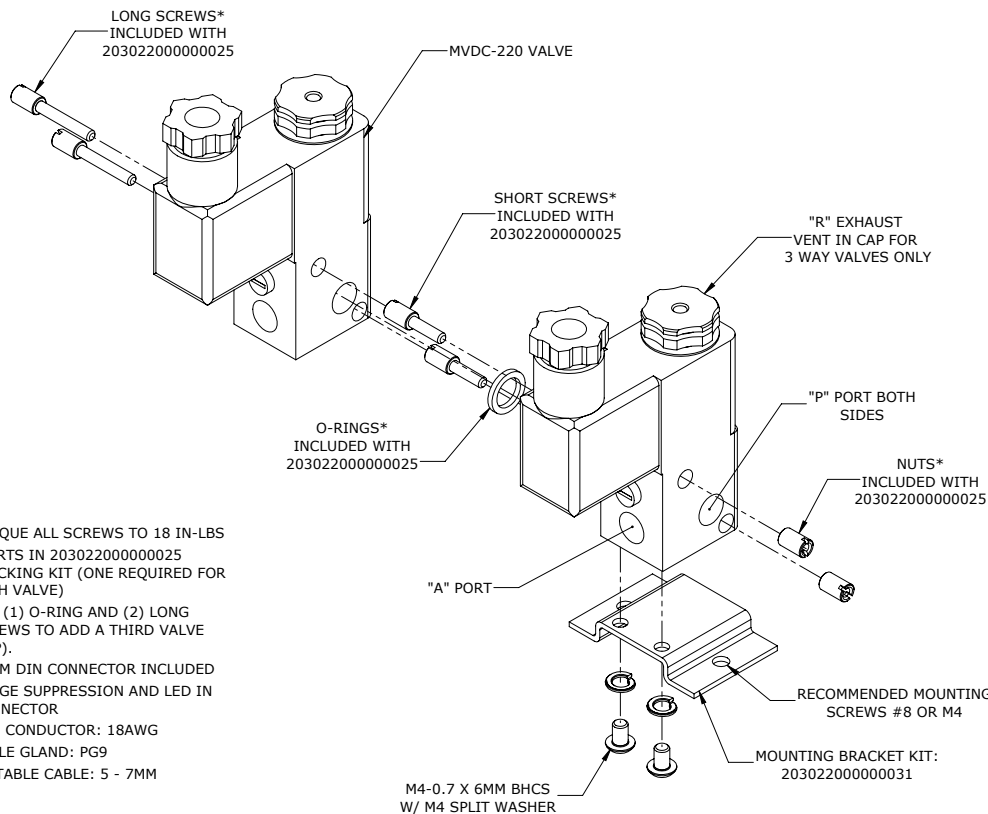


Part No. 20302200000031



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

MVDC - Stackable Solenoid Valve Accessories						
Part No.	Mfg. Part No.	Description	Manufacturer Technical Specifications	Drawing Link	Price	Weight (lb)
20302200000025	<i>MVDC-220-M2</i>	Mindman mounting kit, plated steel. For use with MVDC series solenoid directional control valves. Includes (2) long stacking screws, (2) short stacking screws, (2) nuts and (1) nitrile O-ring.	PDF	PDF	\$5.75	0.02
20302200000031	<i>MVDC-220-B</i>	Mindman individual mounting bracket, plated steel. For use with MVDC series solenoid directional control valves. Bracket and fasteners included.		PDF	\$2.00	0.05



Click or scan the QR code for assembly instructions.

- TORQUE ALL SCREWS TO 18 IN-LBS
- *PARTS IN 20302200000025 STACKING KIT (ONE REQUIRED FOR EACH VALVE)
- USE (1) O-RING AND (2) LONG SCREWS TO ADD A THIRD VALVE (TYP).
- 11MM DIN CONNECTOR INCLUDED
- SURGE SUPPRESSION AND LED IN CONNECTOR
- MAX CONDUCTOR: 18AWG
- CABLE GLAND: PG9
- SUITABLE CABLE: 5 - 7MM


Mindman Spare Coils


Mindman spare coils fit MVDC and MVSC valves. Coils on 110 VAC valves can be replaced with either AC or DC coils. Coils on 24 VDC valves can only be replaced with DC coils.

Part No. [200222000200001](#)

Spare Coils						
Part No.	Mfg. Part No.	Description	Manufacturer Technical Specifications	Drawing Link	Price	Weight (lb)
200222000200001	N/A	Mindman solenoid coil, 12 VDC, 2.5W, 11mm DIN style wiring plug. For use with MVDC and MVSC series solenoid valves.	PDF	PDF	\$9.50	0.13
200222000300001		Mindman solenoid coil, replacement, 24 VDC, 2W, 11mm DIN style wiring plug. For use with MVDC and MVSC series solenoid valves.		PDF	\$9.50	0.14
200222000400001		Mindman solenoid coil, 24 VAC, 5.4 VA, 11mm DIN style wiring plug. For use with MVDC and MVSC series solenoid valves.		PDF	\$9.50	0.14
200222000500001		Mindman solenoid coil, replacement, 110 VAC, 4.4 VA, 11mm DIN style wiring plug. For use with MVDC and MVSC series solenoid valves.		PDF	\$9.50	0.13