



MVSC - Series Solenoid Valves

The MVSC-220, MVSC-300, and MVSC-460 series are industrial solenoid valves designed for versatile pneumatic control applications with NPT threading. These series offer progressive flow capacities with 1/4", 3/8", and 1/2" port sizes to accommodate various system requirements. Available in 3-way and 4-way configurations with single and double solenoid options, plus specialized center position types (closed, pressure, exhaust) for enhanced control flexibility and support both 24 VDC and 110 VAC power options.



Part No. [100222015324006](#)

Features

- Scalable flow capacity: Three size options (220/300/460) provide a variety of effective orifices for applications ranging from compact systems to high-flow requirements
- Versatile control configurations: 3-way normally closed and 4-way options including single solenoid, double solenoid, plus center position variants (closed/pressure/exhaust) for precise application matching
- Fast response times: 30-50 ms actuation across the series with operating pressure ranges from 29-116 psi for reliable pneumatic control
- NPT threading with LED indication: All models feature NPT ports for North American standards compatibility and solenoid connectors with built-in LED indicators for instant valve status monitoring



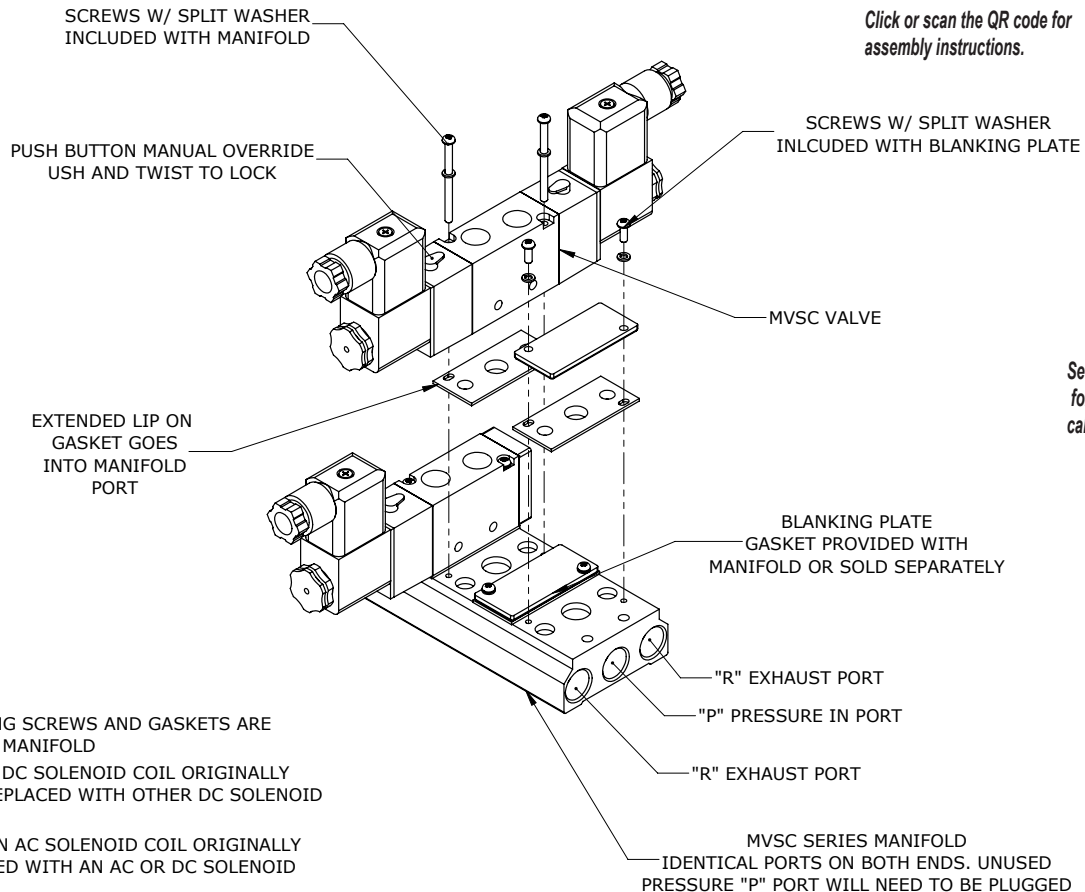
Part No. [100230016524003](#)



Part No. [100246016524003](#)



Part No. [100246017324004](#)



Click or scan the QR code for assembly instructions.

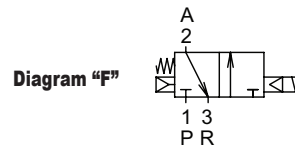
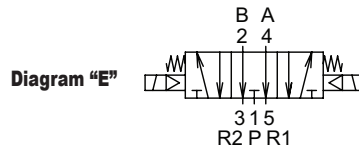
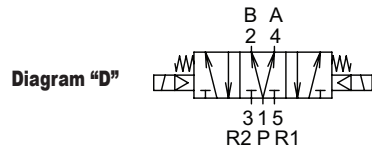
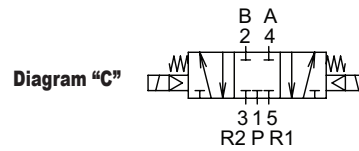
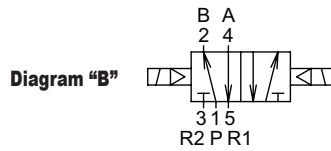
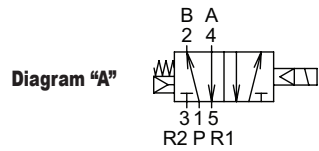


See www.AutomationDirect.com for a wide variety of fitting and cable options

- 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.



MVSC - Series Solenoid Valves

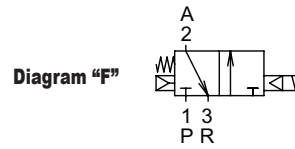
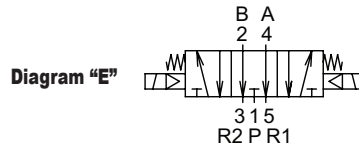
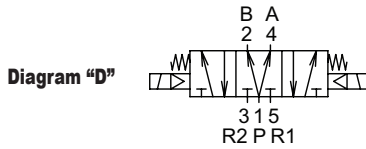
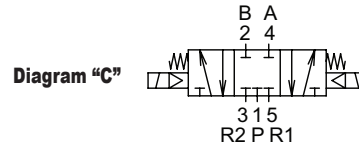
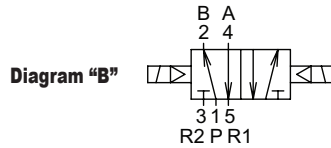
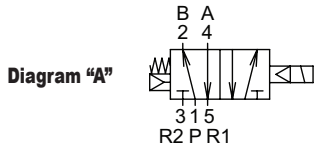


MVSC Series Solenoid Valves										
Part No.	100222033324004	100222033524003	100222015324006	100222015524004	100222016324002	100222016524003	100222017324001	100222018324001	100222019324004	
Mfg. Part No.	MVSC-220-3E1-NC-DC24-L-NPT	MVSC-220-3E1-NC-AC110-L-NPT	MVSC-220-4E1-DC24-L-NPT	MVSC-220-4E1-AC110-L-NPT	MVSC-220-4E2-DC24-L-NPT	MVSC-220-4E2-AC110-L-NPT	MVSC-220-4E2C-DC24-L-NPT	MVSC-220-4E2P-DC24-L-NPT	MVSC-220-4E2R-DC24-L-NPT	
Price	\$31.00	\$31.00	\$31.00	\$31.00	\$49.00	\$49.00	\$82.00	\$85.00	\$82.00	
Drawing Link	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF	
Weight (lb)	0.44	0.43	0.48	0.48	0.74	0.73	0.79	0.79	0.79	
Manufacturer Specs	PDF									
Valve Type	3-port (3-way)			5-port (4-way)						
Positions	2			3						
Pneumatic Diagram	F		A			B		C	D	E
Operating Voltage	24 VDC	110 VAC	24 VDC	110 VAC	24 VDC	110 VAC	24 VDC	24 VDC	24 VDC	
Power Rating	2W	4.4 VA	2W	4.4 VA	2W	4.4 VA	2W	2W	2W	
Electrical Connection	11mm DIN style wiring plug									
Valve Configuration	N.C.		N/A				Center closed	Center pressure	Center exhaust	
Acting	Single solenoid spring return				Double solenoid					
Inlet Port Size	1/4" FNPT			1/4" FNPT						
Outlet Port Size	1/4" FNPT			(2) 1/4" FNPT						
Exhaust	1/4" FNPT			(2) 1/8" FNPT						
Flow (Cv)	1	1	1	1	1	1	0.89	0.89	0.89	
Media	Filtered air without lubrication; lubrication, if used, must be continuous									
Min. Operating Pressure	29 psi						44 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).



MVSC - Series Solenoid Valves

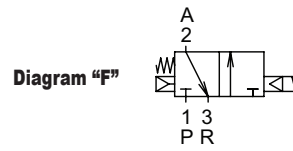
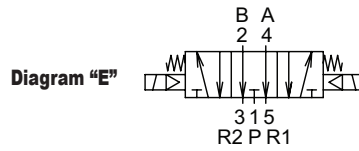
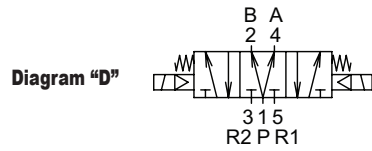
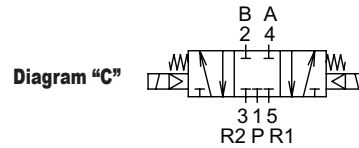
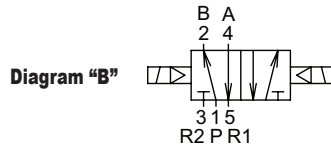
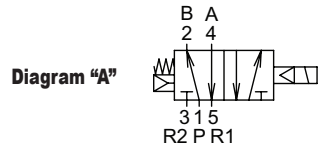


MVSC Series Solenoid Valves								
Part No.	100222019524002	100230033324003	100230033524003	100230015324005	100230015524004	100230016324003	100230016524003	100230017324003
Mfg. Part No.	MVSC-220-4E2R-AC110-L-NPT	MVSC-300-3E1-NC-DC24-L-NPT	MVSC-300-3E1-NC-AC110-L-NPT	MVSC-300-4E1-DC24-L-NPT	MVSC-300-4E1-AC110-L-NPT	MVSC-300-4E2-DC24-L-NPT	MVSC-300-4E2-AC110-L-NPT	MVSC-300-4E2C-DC24-L-NPT
Price	\$85.00	\$44.00	\$44.00	\$43.00	\$43.00	\$61.00	\$62.00	\$109.00
Drawing Link	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF
Weight (lb)	0.78	0.77	0.76	0.76	0.76	1.06	1.06	1.19
Manufacturer Specs	PDF		PDF					
Valve Type	5-port (4-way)	3-port (3-way)		5-port (4-way)				
Positions	3	2			3			
Pneumatic Diagram	E	F		A		B		C
Operating Voltage	110 VAC	24 VDC	110 VAC	24 VDC	110 VAC	24 VDC	110 VAC	24 VDC
Power Rating	4.4 VA	2W	4.4 VA	2W	4.4 VA	2W	4.4 VA	2W
Electrical Connection	11mm DIN style wiring plug							
Valve Configuration	Center exhaust	N.C.		N/A			Center closed	
Acting	Double solenoid	Single solenoid spring return				Double solenoid		
Inlet Port Size	1/4" FNPT	3/8" FNPT		3/8" FNPT				
Outlet Port Size	(2) 1/4" FNPT	3/8" FNPT		(2) 3/8" FNPT				
Exhaust	(2) 1/8" FNPT	3/8" FNPT		(2) 3/8" FNPT				
Flow (Cv)	0.89	1.67	1.67	1.94	1.94	1.94	1.94	1.39
Media	Filtered air without lubrication; lubrication, if used, must be continuous							
Min. Operating Pressure	44 psi	29 psi					44 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).



MVSC - Series Solenoid Valves

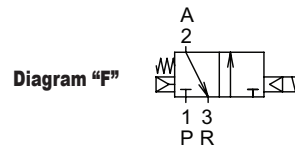
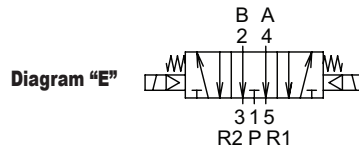
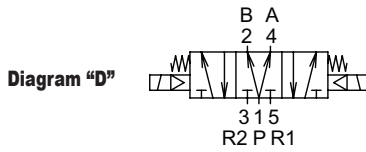
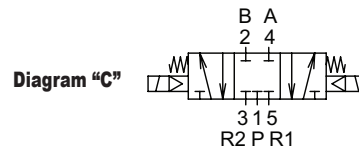
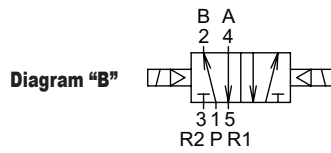
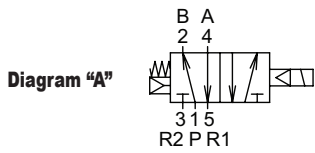


MVSC Series Solenoid Valves								
Part No.	100230017524005	100230018324002	100230018524001	100230019324003	100230019524002	100246033324004	100246033524003	100246015324005
Mfg. Part No.	MVSC-300-4E2C-AC110-L-NPT	MVSC-300-4E2P-DC24-L-NPT	MVSC-300-4E2P-AC110-L-NPT	MVSC-300-4E2R-DC24-L-NPT	MVSC-300-4E2R-AC110-L-NPT	MVSC-460-3E1-NC-DC24-L-NPT	MVSC-460-3E1-NC-AC110-L-NPT	MVSC-460-4E1-DC24-L-NPT
Price	\$109.00	\$109.00	\$109.00	\$109.00	\$109.00	\$57.00	\$60.00	\$57.00
Drawing Link	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF
Weight (lb)	1.19	1.19	1.19	1.20	1.18	0.78	0.77	0.83
Manufacturer Specs	PDF					PDF		
Valve Type	5-port (4-way)					3-port (3-way)		5-port (4-way)
Positions	3					2		
Pneumatic Diagram	C	D		E		F		A
Operating Voltage	110 VAC	24 VDC	110 VAC	24 VDC	110 VAC	24 VDC	110 VAC	24 VDC
Power Rating	4.4 VA	2W	4.4 VA	2W	4.4 VA	2W	4.4 VA	2W
Electrical Connection	11mm DIN style wiring plug							
Valve Configuration	Center closed	Center pressure		Center exhaust		N.C.		N/A
Acting	Double solenoid					Single solenoid spring return		
Inlet Port Size	3/8" FNPT					1/2" FNPT		1/2" FNPT
Outlet Port Size	(2) 3/8" FNPT					1/2" FNPT		(2) 1/2" FNPT
Exhaust	(2) 3/8" FNPT					1/2" FNPT		(2) 1/2" FNPT
Flow (Cv)	1.39	1.39	1.39	1.39	1.39	3.33	3.33	2.78
Media	Filtered air without lubrication; lubrication, if used, must be continuous							
Min. Operating Pressure	44 psi					29 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).



MVSC - Series Solenoid Valves



MVSC Series Solenoid Valves																		
Part No.	100246015524004		100246016324004		100246016524003		100246017324004		100246017524002		100246018324001		100246018524002		100246019324002			
Mfg. Part No.	MVSC-460-4E1- AC110-L-NPT		MVSC-460-4E2- DC24-L-NPT		MVSC-460-4E2- AC110-L-NPT		MVSC-460-4E2C- DC24-L-NPT		MVSC-460-4E2C- AC110-L-NPT		MVSC-460-4E2P- DC24-L-NPT		MVSC-460-4E2P- AC110-L-NPT		MVSC-460-4E2R- DC24-L-NPT			
Price	\$57.00		\$84.00		\$84.00		\$111.00		\$111.00		\$115.00		\$115.00		\$115.00			
Drawing Link	PDF		PDF		PDF		PDF		PDF		PDF		PDF		PDF			
Weight (lb)	0.82		1.12		1.11		1.26		1.24		1.26		1.25		1.25			
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			110 VAC			24 VDC		
Power Rating	4.4 VA			2W			4.4 VA			2W			4.4 VA			2W		
Electrical Connection	11mm DIN style wiring plug																	
Valve Configuration	N/A						Center closed						Center pressure			Center exhaust		
Acting	Single solenoid spring return			Double solenoid														
Inlet Port Size	1/2" FNPT																	
Outlet Port Size	(2) 1/2" FNPT																	
Exhaust	(2) 1/2" FNPT																	
Flow (Cv)	2.78		2.78		2.78		1.67		1.67		1.67		1.67		1.67			
Media	Filtered air without lubrication; lubrication, if used, must be continuous																	
Min. Operating Pressure	29 psi						44 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).



MVSC - Valve Manifolds



Part No. [100222093024002](#)

MVSC manifolds fit MVSC valves. Available in 2 to 8 stations with blanking plates sold separately.

Features

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

Screws and gaskets included with manifolds.



Part No. [100246091084001](#)



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

MVSC - Valve Manifolds								
Part No.	Mfg. Part No.	Number of Stations	Inlet Port Size	Exhaust Port Size	Manufacturer Technical Specifications	Drawing Link	Price	Weight (lb)
100222091024002	MVSC-220-3B2-NPT	2	(2) 1/4" FNPT	(2) 1/4" FNPT	PDF	PDF	\$17.50	0.45
100222091044002	MVSC-220-3B4-NPT	4				PDF	\$30.50	0.71
100222091064001	MVSC-220-3B6-NPT	6				PDF	\$43.00	0.97
100222091084002	MVSC-220-3B8-NPT	8				PDF	\$56.00	1.25
100222093024002	MVSC-220-5B2-NPT	2	(4) 1/4" FNPT	(4) 1/4" FNPT		PDF	\$12.50	0.44
100222093044002	MVSC-220-5B4-NPT	4				PDF	\$23.00	0.72
100222093064002	MVSC-220-5B6-NPT	6				PDF	\$36.00	1.02
100222093084002	MVSC-220-5B8-NPT	8				PDF	\$48.00	1.31

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



MVSC - Valve Manifolds

MVSC - Valve Manifolds								
Part No.	Mfg. Part No.	Number of Stations	Inlet Port Size	Exhaust Port Size	Manufacturer Technical Specifications	Drawing Link	Price	Weight (lb)
100230091024001	MVSC-300-3B2-NPT	2	(2) 3/8" FNPT	(2) 3/8" FNPT	PDF	PDF	\$19.00	0.68
100230091044001	MVSC-300-3B4-NPT	4				PDF	\$35.00	1.21
100230091064001	MVSC-300-3B6-NPT	6				PDF	\$52.00	1.73
100230091084001	MVSC-300-3B8-NPT	8				PDF	\$66.00	2.26
100030093024002	MVSC-300-5B2-NPT	2		(4) 3/8" FNPT		PDF	\$17.00	0.54
100030093044001	MVSC-300-5B4-NPT	4				PDF	\$34.00	0.95
100030093064002	MVSC-300-5B6-NPT	6				PDF	\$51.00	1.37
100030093084001	MVSC-300-5B8-NPT	8				PDF	\$68.00	1.78
100246091024002	MVSC-460-3B2-NPT	2	(2) 1/2" FNPT	(2) 1/2" FNPT	PDF	PDF	\$27.00	0.82
100246091044002	MVSC-460-3B4-NPT	4				PDF	\$49.00	1.46
100246091064001	MVSC-460-3B6-NPT	6				PDF	\$71.00	2.10
100246091084001	MVSC-460-3B8-NPT	8				PDF	\$92.00	2.73
100246093024002	MVSC-460-5B2-NPT	2		(4) 1/2" FNPT		PDF	\$24.00	0.84
100246093044002	MVSC-460-5B4-NPT	4				PDF	\$36.00	1.49
100246093064001	MVSC-460-5B6-NPT	6				PDF	\$52.00	2.19
100246093084001	MVSC-460-5B8-NPT	8				PDF	\$66.00	2.83

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



MVSC - Accessories

Part No. [100222093000007](#)Part No. [100246091000002](#)Part No. [MVSE300-5-SK](#)

MVSC - Accessories						
Part No.	Mfg. Part No.	Description	Manufacturer Technical Specifications	Drawing Link	Price	Weight (lb)
100222091000003	MVSC-220-3P	Mindman blanking plate, plated steel. For use with MVSC-220-3 series manifolds. Mounting screws included.	PDF	PDF	\$2.00	0.04
100222093000007	MVSC-220-5P	Mindman blanking plate, plated steel. For use with MVSC-220-5 series manifolds. Mounting screws included.		PDF	\$2.00	0.05
100230091000003	MVSC-300-3P	Mindman blanking plate, plated steel. For use with MVSC-300-3 series manifolds. Mounting screws included.	PDF	PDF	\$2.00	0.07
100030093000005	MVSC-300-5P	Mindman blanking plate, plated steel. For use with MVSC-300-5 series manifolds. Mounting screws included.		PDF	\$2.00	0.09
100246091000002	MVSC-460-3P	Mindman blanking plate, plated steel. For use with MVSC-460-3 series manifolds. Mounting screws included.	PDF	PDF	\$2.00	0.07
100246093000004	MVSC-460-5P	Mindman blanking plate, plated steel. For use with MVSC-460-5 and MVSE-500-5 series manifolds. Mounting screws included.		PDF	\$2.00	0.19
MVSC220-3-SK	N/A	Mindman seal kit, replacement. For use with MVSC-220-3 series manifolds. Includes (4) gaskets and (8) screws.	N/A	N/A	\$7.75	0.05
MVSC220-5-SK		Mindman seal kit, replacement. For use with MVSC-220-5 series manifolds. Includes (4) gaskets and (8) screws.			\$6.25	0.05
MVSC300-3-SK		Mindman seal kit, replacement. For use with MVSC-300-3 series manifolds. Includes (4) gaskets and (8) screws.			\$7.75	0.10
MVSC300-5-SK		Mindman seal kit, replacement. For use with MVSC-300-5 series manifolds. Includes (4) gaskets and (8) screws.			\$7.75	0.10
MVSC460-3-SK		Mindman seal kit, replacement. For use with MVSC-460-3 series manifolds. Includes (4) gaskets and (8) screws.			\$12.50	0.10
MVSC460-5-SK		Mindman seal kit, replacement. For use with MVSC-460-5 series manifolds. Includes (4) gaskets and (8) screws.			\$9.50	0.10
MVSE300-5-SK		Mindman seal kit, replacement. For use with MVSE-300-5 series manifolds. Includes (12) O-rings, (8) lock washers and (8) screws.			\$6.50	0.05
MVSE500-5-SK		Mindman seal kit, replacement. For use with MVHB-500-5 series manifolds. Includes (4) gaskets and (8) screws.			\$9.50	0.11

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


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)
<u>200222000200001</u>	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
<u>200222000300001</u>		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
<u>200222000400001</u>		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
<u>200222000500001</u>		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