



MV100

SOLENOID VALVE

2-Way 2-Pos / Direct Acting



 **MAROTTA®**

We're in Control

Direct Acting Solenoid Valve

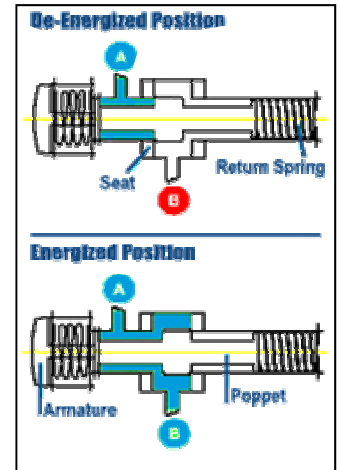
Marotta solenoid valves are widely accepted as the industry standard. The Marotta MV100 series is a quick response, 2-way, 2-position solenoid valve. Standard models operate at pressures ranging from 0 up to 6,000 psig and are obtainable in either normally closed or normally open configuration.

In the de-energized position (power off) flow from the inlet to the outlet port is blocked by the poppet. The poppet is held against the seat by the poppet return spring (de-energized).

With power applied, (energized) the solenoid armature assembly

pushes the poppet away from the seat against the return spring force. This opens the inlet port to the outlet port and flow begins.

The valves are a balanced poppet design, requiring a relatively small solenoid actuator. This feature conserves power and minimizes the space required for the installation.



Features:

- High quality manufacturing
- High reliability
- Proven technology
- Balanced poppet design
- Pneumatic or hydraulic applications
- ISCIH

Options:

- Position indicator
- Manual override
- Both position indicator and manual override
- Special cleaning



Model	MV100	MV100GD-1
Part Number	284753-00XX	284838-9001
Pressure Range	0-3,000 psig (0-206 bar)	0-2,900 psig (0-200 bar)
Proof Pressure	4,500 psig (310 bar)	4,350 psig (300 bar)
Burst Pressure	7,500 psig (517 bar)	11,600 psig (800 bar)
End Connections	AND 10050-4 1/4" port, SAEJ1926/1 1/4" port,	
Electrical	<i>Continuous Duty</i> 18 to 30 VDC 1 amp at 24 VDC <i>Resistance 23 -26 ohm</i>	<i>Continuous Duty</i> 18 to 32 VDC 1 amp at 24 VDC <i>Resistance 24 ohm</i>
Cv	0.18	0.25
ESEOD	0.10 in (2.54 mm)	0.12 in (3.0 mm)
Body Material	Aluminum Alloy	Monel 400
Trim	Stainless Steel	Stainless Steel
Seat Material	VespeI® SP-1	VespeI® SP-1
Seal Material	Buna N	Butyl
Weight	0.8 lb (0.363 kg)	1.35 lb (0.61 kg)
Response Time	≤50 ms	≤50 ms

Note: The listed performance data represents specific program requirements

MAROTTA®

78 Boonton Avenue
P.O. Box 427
Montville, NJ 07045 USA
1.973.334.7800 marotta.com

WHEN IT COMES TO
SPECIALTY FLUID CONTROLS
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