

MV524

# PILOT OPERATED

2-Way, 2-Position



 **MAROTTA®**

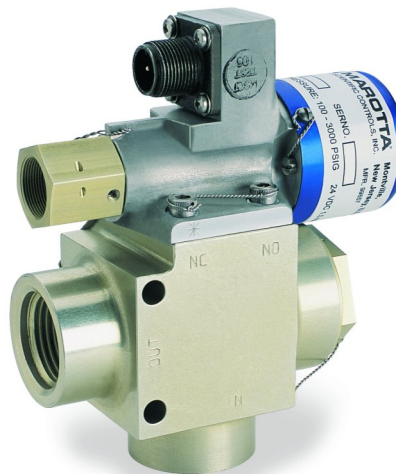
*We're in Control*

## Pilot Operated Valve Series

Reliable, compact, quick response 2-way 2-position shutoff valve. Its main poppet is controlled by an integral 3-way, 2-position solenoid valve. This small pilot valve features a balanced poppet which directs the flow of internal control pressure.

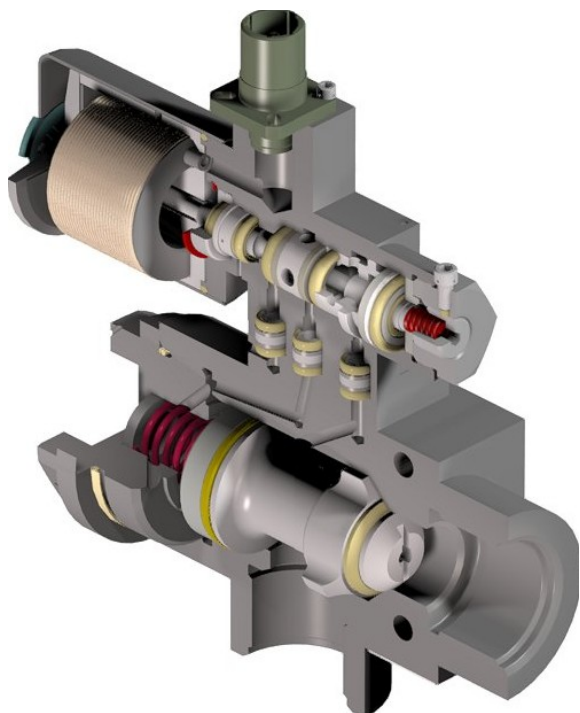
In the de-energized position, the closed main poppet blocks flow from the inlet to the outlet. The poppet is held against the seat by the poppet return spring and control pressure acting on the rear of the main poppet.

When voltage is applied, the solenoid operated pilot vents the control pressure from the back of the main poppet to atmosphere or downstream, allowing inlet pressure to force the main poppet open.



### Features:

- Fast Response
- Normally Closed
- Normally Open
- High Flow
- Compact
- High Performance to Weight Ratio
- Position Indicator
- Manual Override
- Latching Mechanism



Model	MV524	MV172
Part Number	284752-XXXX	2151945-XXXX
Pressure Range	100-3,000 psig	50-5,000 psig
Proof Pressure	6,000 psig	7,500 psig
Burst Pressure	12,000 psig	12,500 psig
End Connections	SAEJ1926/1-3/4" port	AND 10050-16-1" port
Electrical	<i>Continuous Duty</i> 18 to 30 VDC 1 amp at 24 VDC Resistance 23.5 -25.5 ohm	<i>Continuous Duty</i> 18 to 30 VDC 1 amp at 24 VDC Resistance 24-25 ohm
Cv	6.4	12.66
ESEOD	0.6 in	0.84 in
Body Material	Aluminum Alloy or Stainless Steel	Aluminum Alloy or Stainless Steel
Trim	Stainless Steel	Stainless Steel
Seat Material	Vespe <sup>l</sup>	Various
Seal Material	Buna N	Butyl
Weight	3.35 lb	6.25 lb

**Note:** The listed performance data represents specific program requirements and not the design limitations of the device. The listed materials can be substituted by customer request.



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