

PNEUMATIC SOLENOID VALVE ISLANDS

2- OR 4-WAY DIRECTIONAL CONTROL VALVES

VM10 Series

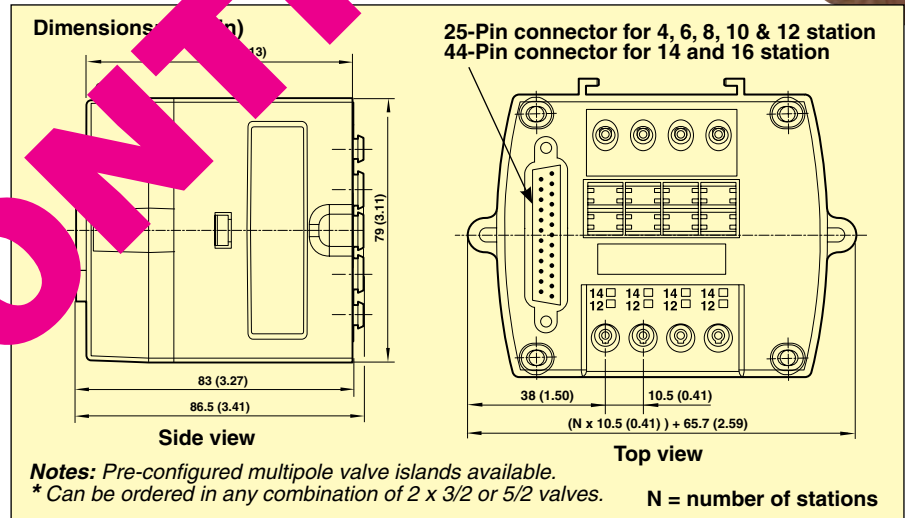
- 24 Vdc Operation (0.6 Watt per Valve)
- NEMA 4 (IP65) Rated Protection
- LED Indicating Lights
- Turn-to-Lock Style Manual Override
- Common Valve Configurations in Stock with Blank Valve Stations for Future Expansion
- DIN Rain or Panel Mount
- Custom Valve Configurations Made-to-Order



OM-AM... 2 two-way valve island (2 x 3/2) with valve stations and 25-pin connector.

The VM10 Series valve islands are stocked in common configurations and are available in 2- or 4-way directional control valves. These valves are well suited for operation with PLC's with low power consumption. The VM10 Series valve islands provide high flow for compact valve bank, 0.44 Cv from a 2-way directional (5/2) control valve. All valve islands share a common supply and exhaust channel. Electrical connection is made easy with 25 or 44 pin D-sub cable connections. OEM's stock the more common VM10 configurations. Made-to-order valve islands are available which may include mixed valve types, dual pressure supply, different or multiple tubing connections, internal/external piloting, or a pneumapole (quick disconnect) base with bottom or side tubing connections for panel mount or through enclosure mounting applications.

The 2-way (2 x 3/2) style valve contains two independent 2-way valves (3/2) per valve slice.

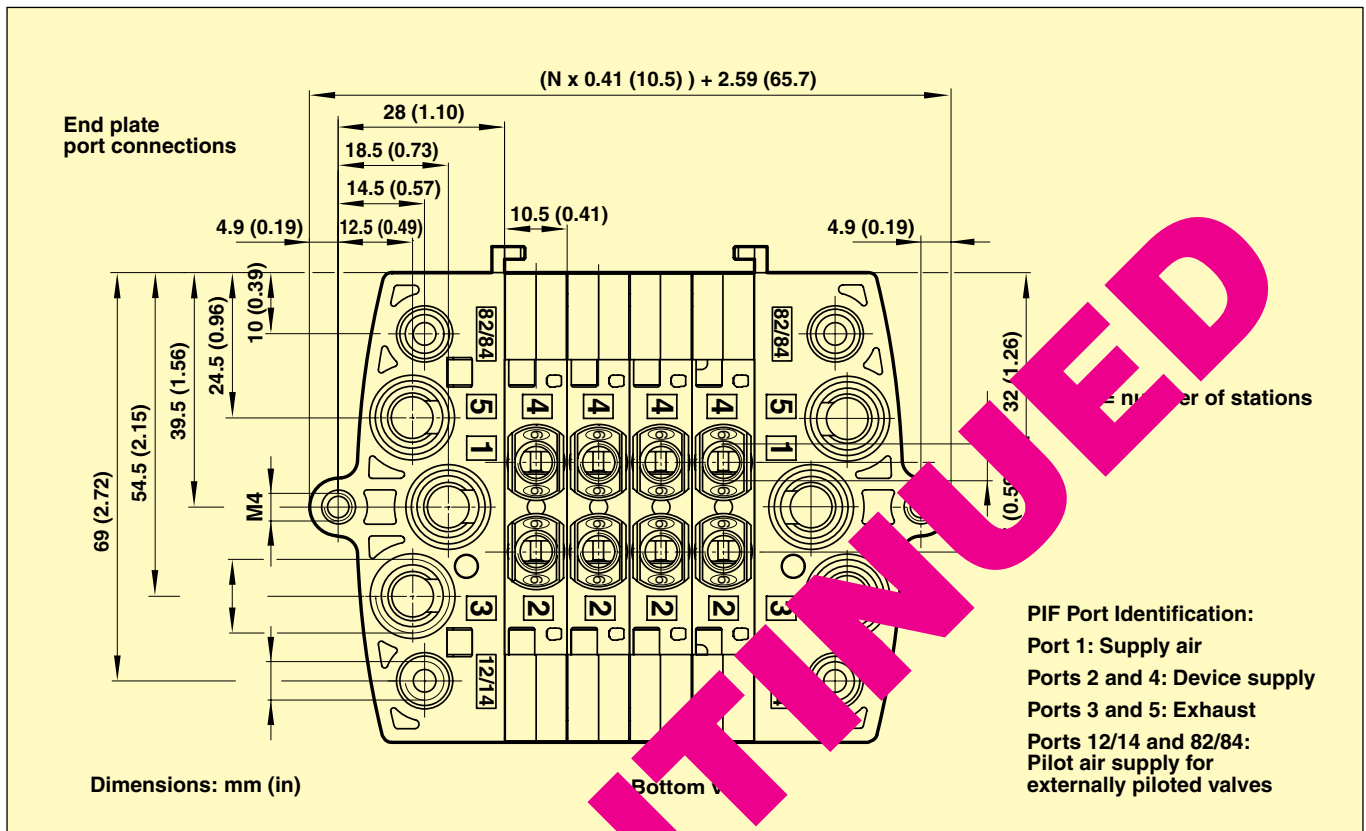


The 4-way (5/2) style valve is commonly known as a 4-way directional control valve for the actuation double-acting pneumatic cylinders. These valves banks are normally closed, internally piloted solenoid valves that share common ports.

SPECIFICATIONS

Electrical: 24 Vdc, 0.6 W per solenoid with LED indication, tolerance $\pm 10\%$
Surge Suppression: Flywheel diode
Electrical Communication: Negative common, 25 or 44 pin D-sub connector
Actuation Time: 14 milliseconds
Medium: Compressed air, filtered, lubricated or non-lubricated

PIF (Push-in-Fittings) Port Sizes Available: $\frac{1}{8}$, $\frac{5}{32}$, and $\frac{1}{4}$ " 3, 4, and 6 mm
Operating Temperature: -20 to 50°C (-4 to 122°F)
Operating Pressure: Internal pilot 3 to 8 bar (43.5 to 116 psig)
Air Flow: 5/2 valves l/min 430 (Cv 0.44); 3 x 3/2 valves 350 l/min (Cv 0.36)
Materials:
Body and End Plates: Engineered PPA co-polymer
Valves: Aluminum with nitrile rubber seals
Tubing Requirements: Polyurethane (85-95D hardness) or nylon 11 or 12



To Order				
MODEL NO.	DESCRIPTION	VALVE STATIONS	BLANK STATIONS	
OM-AIR-VM1052140602	VM10 series (5/2) 4-way NC directional control valve bank	6	2	
OM-AIR-VM1052141002	VM10 series (5/2) 4-way NC directional control valve bank	10	2	
OM-AIR-VM1052141402	VM10 series (5/2) 4-way NC directional control valve bank	14	2	
OM-AIR-VM103214	VM10 series (5/2) 4-way NC directional control valve slice for additional stations	—	—	
OM-AIR-VM10321402	VM10 series (2 x 3/2) 2-way NC valve bank, 2 valves per slice	4	2	
OM-AIR-VM1032140602	VM10 series (2 x 3/2) 2-way NC valve bank, 2 valves per slice	6	2	
OM-AIR-VM103214	VM10 series (2 x 3/2) 2-way NC valve slice, 2 valves per slice for additional stations	—	—	
ACCESSORIES				
OM-AIR-V11569-E-01	25-pin D-sub cable, 1 m (3.28') in length			
OM-AIR-V11569-E-03	25-pin D-sub cable, 3 m (9.84') in length			
OM-AIR-V11570-E01	44-pin D-sub cable, 1 m (3.28') in length			
OM-AIR-V11570-E03	44-pin D-sub cable, 3 m (9.84') in length			

Comes complete with DIN rail mounting kit.

Ordering Examples: OM-AIR-VM1052140602, VM10 valve island with 6, NC, 4-way directional control valves (5/2) and 2 blank stations for expansion, OM-AIR-VM105214, extra valve slice to expand to 7 stations, and OM-AIR-V11569-E-01, 25-pin DSUB cable 1 m (3.28') long.

OM-AIR-VM1032140402, VM10 valve island with 8, NC, 2-way valves (2 x 3/2) and 2 blank stations for expansion (each valve station is two independent valves per station), and OM-AIR-V11569-E-01, 25-pin DSUB cable 1 m (3.28').