

The VECTOR-PV4 Series NEMA 4 pilot valves are UL/CSA approved, direct mount (NAMUR VDI/VDE 3845) valves used to pilot pneumatic actuators. The valve is a universal type (5/2 convertible to 3/2) and can be used on Spring Return or Double Acting actuators. Pilot Valves can be used with air, nitrogen or natural gas.

VECTOR PV4 DESIGN FEATURES

- ✓ May be used as a 3-way or 4-way pilot valve for Spring Return and Double Acting actuators respectively.
- ✓ Available in different voltages (120 VAC, 220 VAC, 12 VDC, 24 VDC)
- ✓ NAMUR Mounting Interface.
- ✓ Rated to NEMA 4/4X, IP65.
- ✓ Class "F" coil standard. Coil insulation rating is 311 ° F (155 ° C)
- ✓ Easily field retrofitted for Spring Return and Double Acting applications.



GENERAL SPECIFICATIONS

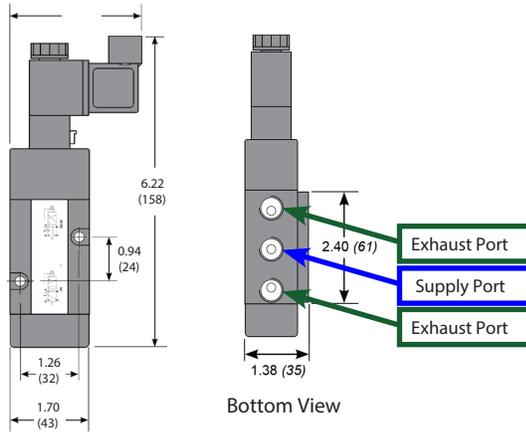
Type	5/2, 3/2		
Air Pressure	40 psi to 120 psi		
Temperature	-13 °F to 176 °F		
Voltages	Standard		Optional
	60Hz AC	110V/120V, 220V	24V
	DC	24V	12V
Power Consumption	AC = 4 VA; DC = 4W		
Air Connections	1/4" NPT		
Air Flow (Cv)	1.1		
Electrical Entry	1/2" NPT/DIN Type		
Rating/Enclosure	NEMA 4 (IP65)		
Weight	1.0 lbs.		

HOW TO ORDER GUIDE

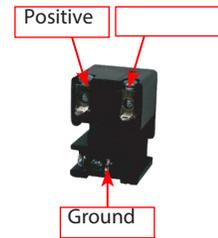
SERIES	VOLTAGE
VECTOR-PV4 = NAMUR Mount 3/2 NC and 5/2 Functions For Single Acting and Double Acting Pneumatic Actuators CE, IP65, NEMA 4,4X Approved	110 VAC - 4VA 60HZ (Standard) 24 VDC - 4W (Standard) 220 VAC - 4VA 60HZ (Optional) 12 VDC - 4W (Optional)
Example Description: VECTOR-PV4, NAMUR Mount Pilot Valve, NEMA 4,4X approved, with 110 VAC Coil. Order Example: (VECTORPV4110VAC)	

PILOT VALVE DIMENSIONS

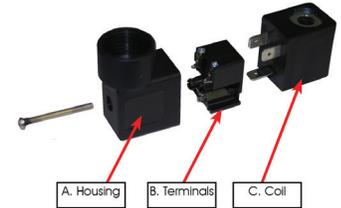
Dimensions in inches (mm)



Wiring the VECTOR-PV4

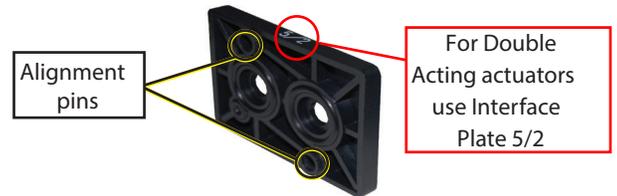


Note: The coil assembly does not need to be removed from the pilot valve for wiring.



1. Remove the Housing/Terminal assembly from the coils by loosening the fastener. Note: Items A and B are a single unit.
2. Remove the Terminal (B) from the housing. (A flathead screwdriver will help in this)
3. Connect the supply wiring as shown above left.
4. Insert Terminal block (B) back into the housing
5. Slide onto coil and tighten.

PILOT VALVE MOUNTING INSTRUCTIONS



Always note the orientation of the Pilot Valve body, manual override lever and supply air porting when following these instructions.

SPRING RETURN ACTUATORS*:
 Using the 3/2 Interface Plate, mount the Pilot Valve to the actuator as shown.



DOUBLE ACTING ACTUATORS:
 Using the 5/2 Interface Plate, mount the Pilot Valve to the actuator as shown for:

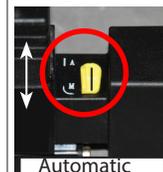
ENERGIZE TO CLOSE**



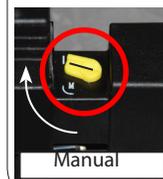
ENERGIZE TO OPEN*



Figure A-1 Manual Override



The letter "A" indicates position of yellow lever for Automatic Operation.



For Manual Override, rotate the yellow lever Clockwise to correspond with the arrow as indicated by the letter "M".

* Supply air porting is on the bottom of the VECTOR

** Supply air porting is on the top of the VECTOR

MANUAL OVERRIDE: Use of the manual override will by-pass automatic operation. This function is helpful in the event that the valve must be cycled when electrical supply is unavailable. When the yellow lever is in line with "A" it is in Automatic Operation. For Manual Override, rotate the yellow lever Clockwise as indicated by the letter "M". Refer to Figure A-1 above.

NOTE: For detailed instructions on the VECTOR-PV Series, please refer to the IOM.