

THE SPECIALTY MFG. CO.

Custom Is Our Specialty

5858 Centerville Road
St. Paul, MN 55127

ISO 9001:2015
MADE IN THE USA

The Specialty Mfg. Co. will quote alternate materials or customize our standard products when quantities ensure competitive pricing.
Contact Customer Service at (651) 653-0599
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PILOT ACTUATED NEEDLE VALVE 10-32, 1/16" to 1/8" BARB



Design Considerations

- The Pilot Needle Valves are a compact 10-32 Female design
- Normally Closed or Normally Open Flow Option
- Approximately 35 psi is required to actuate
- Available with 6.5 Turn Adjustment Needle
- Smooth or Ribbed Knob in Black or Gray ABS
- Supplied with two Electroless Nickel Plated Panel Nuts and lock washer
- *** Knobs are Optional ***

Example of how to order

<u>Type</u>	<u>Flow Option</u>	<u>Seal</u>	<u>Needle</u>	<u>Inlet Port</u>	<u>Outlet Port</u>	<u>Pilot Port</u>	<u>Knob</u>
Pilot Needle Valve	Normally Closed	Buna	6.5 Turn	10-32 Female	10-32 Female	1/16 Barb	No Knob

Part Numbers are a description of the valve as read left to right, Inlet Port to Outlet Port.
PANVNC-B,10-32F,10-32F,1/16B,NO KNOB = Pilot Needle Valve, Normally Closed, Buna Seals, 6.5 Turn Needle, 10-32 Female Inlet x 10-32 Female Outlet, 1/16 Barb Pilot, No Knob

Specifications

Material	BODY and PANEL NUTS - Electroless Nickel Plated Brass
Spring	302 Stainless
Flow Option	2-Way (Non-Exhausting), Normally Closed 2-Way (Non-Exhausting), Normally Open
Needle Option	6.5 Turn Brass
Seal Option	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®)
Input Port	10-32 Female, 10-32 Male 1/16 Barb, 3/32 Barb, 1/8 Barb
Output Port	10-32 Female, 10-32 Male 1/16 Barb, 3/32 Barb, 1/8 Barb
Pilot Actuator Port	10-32 Female, 10-32 Male 1/16 Barb, 3/32 Barb, 1/8 Barb
Knob	Smooth Black ABS, Smooth Gray ABS Ribbed Black ABS, Ribbed Gray ABS
Pilot Actuation Force	35 psi
Panel Mount Hole	0.250 in
Maximum Panel Thickness	0.500 in
Panel Mount Threads	15/32-32
Maximum Operating Pressure	0 to 125 psi
Maximum Operating Temperature	180 °F
Flow Rate	2.1 SCFM at 50 psi

Compatibility Statement	It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage.
Pricing and Minimum Order Requirement	Our Minimum Order Requirements are \$150.00 Domestic - \$250.00 International. Pricing is based on the quantity ordered. Please indicate a typical order quantity or Estimated Annual Usage when requesting pricing.