



Vertically Integrated, Made in the USA  
www.specialtymfg.com

## THE SPECIALTY MFG. CO.

5858 Centerville Road  
St. Paul, MN 55127

SMC will quote alternate materials or customize our standard products when quantities ensure competitive pricing.

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## MANIFOLD CARTRIDGE NEEDLE VALVE (.201 Inlet Port)



### Design Considerations

- The Manifold Cartridge .201 Needle Valves are a compact .201 Orifice x .094(X2) Orifice design
- Available with 1.5 Turn or 3 Turn Adjustment Needle
- Smooth or Ribbed Knob in Black or Gray ABS
- **\*\*\* Knobs are Optional \*\*\***

### Example of how to order

| <u>Type</u>  | <u>Seal</u> | <u>Needle</u> | <u>Inlet Port</u> | <u>Outlet Port</u>  | <u>Knob</u>         |
|--------------|-------------|---------------|-------------------|---------------------|---------------------|
| Needle Valve | Buna        | 3 Turn        | .201 Orifice      | .094<br>Orifice(X2) | Smooth<br>Black ABS |

**Part Numbers** are a description of the valve as read left to right, Inlet Port to Outlet Port.

**MCNV2SV-B,3T,.201,.094,SB** = Needle Valve, Buna Seals, 3 Turn Needle, .201 Orifice Inlet x .094 Orifice (X2) Outlet, Smooth Black ABS Knob

### Specifications

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Material</b>                              | BODY and PANEL NUTS - Electroless Nickel Plated Brass                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Seal Option</b>                           | Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®)                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Needle Option</b>                         | 1.5 Turn Brass<br>3 Turn Brass                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Input Port</b>                            | .201 Orifice                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Output Port</b>                           | .094 Orifice (X2)                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Knob</b>                                  | Smooth Black ABS, Smooth Gray ABS<br>Ribbed Black ABS, Ribbed Gray ABS                                                                                                                                                                                                                                                                                                                                                               |
| <b>Maximum Operating Pressure</b>            | 0 to 125 psi                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Maximum Operating Temperature</b>         | 180 °F                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Flow Rate</b>                             | 2.5 SCFM at 50 psi                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Compatibility Statement</b>               | 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.<br>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. |
| <b>Pricing and Minimum Order Requirement</b> | Our Minimum Order Requirements are \$100.00 Domestic - \$250.00 International.<br>Pricing is based on the quantity ordered.<br><b>Please indicate a typical order quantity or Estimated Annual Usage when requesting</b>                                                                                                                                                                                                             |

pricing.

