



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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## CV SERIES PISTON CHECK VALVE

10-32, 1/16" to 1/8" BARB

### Design Considerations



- A Guided Piston with an embedded o-ring that seals on the seat
- A positive seal at 2 psi back pressure
- Rated to 125 psi working pressure
- Alternate seal materials available for chemical resistance application

### Example of how to order

<u>Type</u>	<u>Inlet Port</u>	<u>Outlet Port</u>	<u>Seal</u>	<u>Spring</u>
Piston Check Valve	1/16 Barb	1/16 Barb	Buna	2 psi

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

**CV2NC-B,1/16B** = Mini Brass Check Valve, 1/16 Barb Inlet x 1/16 Barb Outlet, 2 psi Spring

### Specifications

<b>Material</b>	BODY and PISTON - Electroless Nickel Plated Brass
<b>Seal Option</b>	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®) *** Please ask us about Seal Materials not listed above. ***
<b>Body Option</b>	1/8 Barb Inlet x 1/8 Barb Outlet 1/16 Barb Inlet x 1/16 Barb Outlet 3/32 Barb Inlet x 3/32 Barb Outlet
<b>Spring Option: Cracking Pressure and Material</b>	2 psi - 302 Stainless
<b>Maximum Operating Pressure</b>	2 to 125 psi
<b>Maximum Operating Temperature</b>	*** NOT RATED FOR STEAM *** Buna-N -10°F to +250°F Ethylene Propylene (EPDM) -50°F to +300°F Fluoroelastomer (Viton®) -10°F to +375°F
<b>Cv</b>	Approximately .05
<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. 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. Pricing is based on the quantity ordered. <b>Please indicate a typical order quantity or Estimated Annual Usage when requesting pricing.</b>

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