



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

THE SPECIALTY MFG. CO.

5858 Centerville Road
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SMC will quote alternate materials or customize our standard products when quantities ensure competitive pricing.

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112 SERIES PISTON CHECK VALVE

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 low back pressure or a slight vacuum
- Rated to 125 psi working pressure
- Alternate springs and 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>
Brass Check Valve	3/16 Barb	3/16 Barb	Buna	4.5 psi

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

UCV 112-3B3B-B,4.5# = Brass Check Valve, 3/16 Barb Inlet x 3/16 Barb Outlet, 4.5 psi Spring

Specifications

Material	BODY, ENDS and PISTON - Brass
Inlet End	1/8 Barb, 3/16 Barb, 1/4 Barb
Outlet End	1/8 Barb, 3/16 Barb, 1/4 Barb
Seal Option	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®) *** Please ask us about Seal Materials not listed above. ***
Spring Option: Cracking Pressure and Material	1 psi - 302 Stainless 4.5 psi - 302 Stainless 1 psi - Hastelloy® No Spring
Maximum Operating Pressure	0 to 125 psi
Maximum Operating Temperature	Buna-N -10°F to 250°F Ethylene Propylene (EPDM) -50°F to 300°F Fluoroelastomer (Viton®) -10°F to 375°F *** NOT RATED FOR STEAM ***
Flow Rate	2.5 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 \$100.00 Domestic - \$250.00 International. Pricing is based on the quantity ordered. Please indicate a typical order quantity or Estimated Annual Usage when requesting

pricing.

