

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
FAX - (651) 653-0989
E-Mail - info@specialtymfg.com

112 SERIES PISTON CHECK VALVE

[Click here to design your valve in 3D using our online configurator.](#)



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
- A 1 psi Hastelloy® Spring is available for chemical resistance applications

Order Example:

<u>Material</u>	<u>Inlet Port</u>	<u>Outlet Port</u>	<u>Seal</u>	<u>Spring</u>
Brass	3/16 Barb	3/16 Barb	Buna	4.5 psi SST

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

Material Option	BODY, PISTON, and ENDS – Brass
Plating Option	No Plating, Electroless Nickel Plating
Inlet Option	Barb – 3/32, 1/8, 1/4
Outlet Option	Barb – 3/32, 1/8, 1/4
Seal Option	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®) ***Please ask us about Seal Materials not listed above.***
Spring Option: Material – Cracking Pressure	302 Stainless – 1 psi, 4.5 psi Hastelloy® - 1 psi No spring
Cv Value	Varies, contact us to discuss
Maximum Operating Pressure	125 psi
Temperature Range	*** NOT RATED FOR STEAM *** Buna-N -35°F to +250°F Ethylene Propylene (EPDM) -65°F to +300°F Fluoroelastomer (Viton®) -15°F to +400°F
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.