

# 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

## 110 SERIES PISTON CHECK VALVES

[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, providing a positive seal at low back pressure or a slight vacuum
- 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>
ENP Brass	10/32 F UNF	10/32 F UNF	Buna	4.5 psi SST

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

**UCV 110-10-32F,10-32F-B,4.5#** = Electroless Nickel Plated Brass Body and Ends, Piston Check Valve, 10/32 Female UNF x 10/32 Female UNF, Buna Seals, 4.5 psi Spring

<b>Material Option</b>	BODY and PISTON – Brass
<b>Plating Option</b>	No Plating, Electroless Nickel Plating
<b>Inlet End</b>	UNF – 10/32 Female, 10/32 Male Barb – 1/16, 3/32, 1/8
<b>Inlet End</b>	UNF – 10/32 Female, 10/32 Male Barb – 1/16, 3/32, 1/8
<b>Seal Option</b>	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®) <b>***Please ask us about Seal Materials not listed above.***</b>
<b>Spring Option: Material – Cracking Pressure</b>	302 Stainless – 1 psi, 4.5 psi Hastelloy® - 1 psi No spring
<b>Cv Value</b>	Varies, contact us to discuss
<b>Maximum Operating Pressure</b>	125 psi
<b>Temperature Range</b>	<b>*** NOT RATED FOR STEAM ***</b> Buna-N -35°F to +250°F Ethylene Propylene (EPDM) -65°F to +300°F Fluoroelastomer (Viton®) -15°F to +400°F
<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 \$150.00 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>