

# 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

## 589 SERIES NEEDLE VALVE 1/4" NPT



### Design Considerations

- The 589 Needle Valve are rated to 500 psi available in an In-Line or Right-Angle version
- A Teflon® stem seal, Black Nylon Knob, and a Brass Needle with 30 Degree Kel-F® Soft Tip for positive shut-off are standard
- Stainless Needle, Yellow Knob and 5 Degree Kel-F® Tip are optional
- Supplied with one Brass Hex Nut for Panel Mount applications

### Example of how to order

Material	Type	Needle	Inlet Port	Outlet Port	Stem Seal	Plating	Handle
Brass	Inline Needle Valve	Brass, Kel- F, 30 Degree, 5 Turn	1/4 Female NPT	1/4 Female NPT	Teflon®	No Plating	Black Nylon Knob

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

**589-4F4F,BRS/KEL-F,30DEG** = Brass Right Angle Needle Valve, 1/4 Female NPT Inlet x 1/4 Female NPT Outlet, 5 Turn Brass Needle with 30 Degree Kel-F Tip, Teflon® Stem Seal, Black Nylon Knob

### Specifications

<b>Material</b>	BODY - Brass, STEM SEAL - Teflon®
<b>Body Option</b>	IN-LINE - 1/4 Female NPT x 1/4 Female NPT RIGHT ANGLE - 1/4 Male NPT x 1/4 Female NPT RIGHT ANGLE - 1/4 Female NPT x 1/4 Female NPT
<b>Seal Option</b>	Teflon®
<b>Plating Option</b>	No Plating Electroless Nickel Plating
<b>Needle Option</b>	Brass Needle with 30 Degree Kel-F Tip Brass Needle with 5 Degree Kel-F Tip 303 Stainless Needle with 30 Degree Kel-F Tip 303 Stainless Needle with 5 Degree Kel-F Tip Brass Needle with 5 Degree Tip
<b>Handle Option</b>	Black Nylon Knob Yellow Nylon Knob
<b>Maximum Flow Diameter</b>	0.156 in
<b>Panel Mount Hole</b>	0.562 in
<b>Maximum Panel Thickness</b>	0.170 in
<b>Panel Mount Threads</b>	9/16-32
<b>Maximum Operating Pressure</b>	500 psi
<b>Maximum Operating Temperature</b>	180 °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.

**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.**