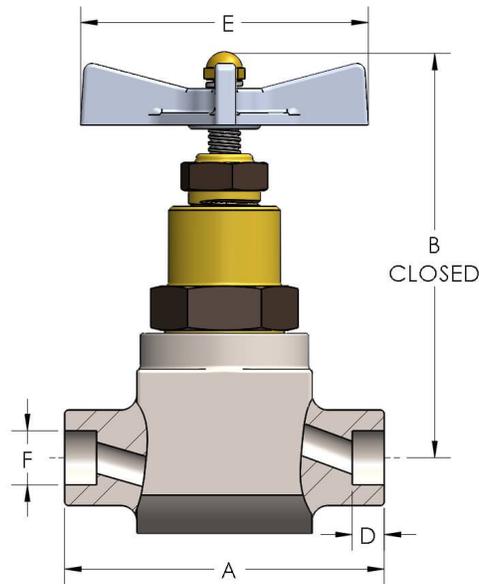




Product Category  
Product Line  
Part Description

470-3  
O-SEAL® Needle Valves (400 Series)  
1/2" Globe Needle Valve with Welded Ends



## DIMENSIONS

Port Dia.	0.5
A	5.000
B	6.13
D	0.500
E	4.50
F (Pipe Size)	0.855
F (Tube Size)	0.752
Lift	0.53

## GENERAL

Pressure Rating	6000 PSI
Temperature Range	-15°F to 275°F (-26°C to 135°C)
Standard Soft Goods	[-G] Polyurethane® Packing and Viton® O-Rings

<b>Cartridge Type</b>	Needle
<b>Connection Type</b>	Socketweld
<b>Connection Size</b>	1/2"
<b>Body Material</b>	316/L Stainless Steel, ASTM A276, UNS S31603
<b>Bonnet Material</b>	Nickel Aluminum Bronze, ASTM B150, UNS C63200

## OPTIONS

<b>[-VC] Vacuum Service</b>	Option to add additional softgoods for internal vacuum service.
<b>[-P] Panel Mount</b>	Option to add external thread and panel mounting nut to bonnet
<b>Port &amp; Vent Options</b>	[-PA] Port Above Seat (1/8" NPT), [-PB] Port Below Seat (1/8" NPT), [-VA] Vent Above Seat (3/8"-24 SAE), [-VB] Vent Below Seat (3/8"-24 SAE),
<b>Optional Soft Goods</b>	[-B] Polyurethane® Packing and Buna-N O-Rings, [-C] Viton® Packing & O-Rings, [-D] EPDM Packing & O-Rings

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The complete catalog contents must be reviewed to ensure that the system designer and user make a safe product selection. When selecting products, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user. Caution: Do not mix or interchange valve components with those of other manufacturers.