



# METAL NEEDLE VALVES

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Pneuline Supply, Inc. offers Metal Needle Valves that have ports from 10-32 to 1 inch with a reduced thru hole size. A threaded tapered plunger allows precise regulation of flow. It is generally only capable of relatively low flow rates. They are adjustable to a flow of 0.025" diameter orifice. Needle valves are made with bodies of Aluminum, Brass, or Nickel-Plated Brass. O-Rings are Buna-N, Viton®, or EPDM.

Max pressure for metal needle valves is 180 psi up to 10000 psi with temperature of -40°F to 200°F.



## NVS SERIES

The compact design of this Brass Needle Valve allows for multiple configurations; straight or 90° elbow. It has a 500 psi rating and its maximum operating temperature is 180° F. The through hole diameter is .156. The stem seal is PTFE and the needle is available in Brass or Stainless Steel. The knob options are black-filled Polyester, yellow-filled polyester, or no knob. To enable panel mounting, a brass hex nut is supplied. The inlet sizes are 1/4" female NPT and 1/4" male and female NPT; the outlet size is 1/4" female NPT.

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SKU	Description
NVS-4F	1/4 inch FNPT Inline Needle Valve
NVSA-4F	1/4 inch FNPT Right Angle Needle Valve
NVSA-4F4M	1/4 inch Male Inlet 1/4 Female Outlet Needle Valve



## SPNV SERIES

Mini Brass 90° Needle Valve with an inlet of 1/8" male threads. Outlet sizes are female 10-32 threads, male 10-32 threads or 1/16", 1/8", and 3/32" barbs. Available seals are Buna-N, EPDM, and Viton®. The maximum operating pressure is 125 psi, maximum operating temperature is 180° F. Panel mount is standard. This Needle Valve is also available with female 10-32 UNF inlet and outlet threads. The barb sizes are the same as for the male Needle Valve. The black ABS knobs are standard, removable knobs.

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SKU	Description
SPNV-10F10F	10-32F by 10-32F Needle Valve
SPNV-2M10F	1/8 MNPT In by 10-32 Female Out Needle Valve
SPNV-2M1B	1/8 MNPT In by 1/16 Barb Out Needle Valve
SPNV-10F2B	10-32 Female UNF In by 1/8 Barb Out Needle



## MNV SERIES

Mini Brass 90° Needle Valve with an inlet of 10-32 male threads. Outlet sizes are female 10-32 threads, male 10-32 threads or 1/16", 1/8" and 3/32" barbs. Available seals are Buna-N, EPDM, and Viton®. The maximum operating pressure is 125 psi, maximum operating temperature is 180° F. Panel mount is standard.

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SKU	Description
MNV-10M10F	10-32 Male inlet Female outlet Needle Valve
MNV-10F10M	10-32 Female inlet Male outlet Needle Valve
MNV-10F-10F	10-32 Female Nickel Needle Valve
MNV-18M10F	1/8 inch Male NPT 10-32 Female Needle Valve



## FNV SERIES

The FNV Series Needle Valves are of Brass with 10-32 male taper threads or 1/8 inch NPT to a 10-32 Female port. 10-32 is available with a knurled knob. Buna seals (FKM Optional), 150 psi service. 1/8 inch NPT is Panel Mountable.

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SKU	Description
FNV-10F10F	10-32 Male by Female Needle Valve
FNV-10M10F	10-32 Male Female Needle Valve
FNV-18M10F	1/8 MNPT by 10-32 Female Needle Valve



## PNFC SERIES

Mini Brass 90° Needle Valve with an inlet of 10-32 male threads. Outlet sizes are female 10-32 threads, male 10-32 threads or 1/16", 1/8" and 3/32" barbs. Available seals are Buna-N, EPDM, and Viton®. The maximum operating pressure is 125 psi. Panel mount is standard.

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SKU	Description
PNFC-10M10F	10-32 Taper Male by 10-32 Female Brass



## VNAT SERIES

Nickel Plated Panel Mount Needle Valve with a 3° pin angle, 64 TPI for fine adjustment. Buna-N seal standard and it has a screwdriver slot for easy adjustment. Operating temperature -40° F to 200° F. The recommended filtration is 5 microns. Barbed fittings for flexible tubing.

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SKU	Description
VNAT-16	1/16 inch Barbed Needle Valve
VNAT-18	1/8 inch Barbed Needle Valve
VNAT-1B-K-PM	1/16 inch Barbed NPB KNOB PM Needle Valve
VNAT-1B-S-PM	1/16 inch Barbed NPB Slotted with PM Needle Valve
VNAT-2B-K-PM	1/8 inch Barbed NPB KNOB with PM Needle Valve