

NEEDLE VALVES

Needle Valve Products distributed by Pneuline Supply, Inc. 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. Our selection of Needle valves are made with bodies of Acetal, Aluminum, Brass, Nickel-Plated Brass, Nylon, Glass-Filled Nylon, Polypropylene, Glass-Filled Polypropylene, PVC and PVDF. 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. Maximum pressure for plastics is 125 psi with a temperature range of 40˚F to 120˚F. Both

metal and plastic are available for panel mounting.



METAL NEEDLE VALVES

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.



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.

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



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.

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

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.

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

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.

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



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.

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



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.

SKU	Descripton
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



PLASTIC NEEDLE VALVES

PLASTIC NEEDLE VALVES

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.
Plastic Needle Valves are made with bodies of Acetal, Nylon, Glass-Filled Nylon, Polypropylene, Glass-Filled Polypropylene, PVC and PVDF. O-Rings are Buna-N, Viton®, or EPDM.
Maximum pressure for plastics is 125 psi with a temperature range of 40˚F to 120˚F. Both metal and plastic are available for panel mounting.



DFV SERIES

DFV Series PBT Needle Valves are made standard with Nickel-Plated threads and stems with a PBT body that controls out but checks the flow back.

SKU	Description
DFV-14	1/4 by 1/4 Needle Valve
DFV-18	1/8 by 1/8 Needle Valve
DFV-38	3/8 by 3/8 Needle Valve
DFV-532	5/32 by 5/32 Needle Valve
DFV-316	3/16 by 3/16 Needle Valve



NVC SERIES

The NVC Series Acetal Push-to-Connect Needle Valve is designed for precision and reliability. Featuring a nickel-plated needle, this valve ensures reliable performance and continuance in various applications. Additionally, the NVC Series offers an elbow configuration, providing flexibility and ease of installation in tight spaces. Whether you need a straight or elbow configuration, this needle valve is a great choice for your fluid control needs.

SKU	Description
NVC-04-MFL-FFL	1/4 inch Flare Male to Female Stainless Steel Needle Valve
NVC-4	1/4 inch OD Needle Valve
NVC-6	3/8 inch OD Needle Valve



PNV SERIES

The PNV Series Needle Valves are PVC with EPDM Seals, Polypropylene with FKM Seals, or PVDF with PTFE Seals—maximum pressure of 125 psi. Standard 2.5-degree needle, others are available.

SKU	Description
PNV-2C	1/8 Compression Needle Valve
PNV-2F	1/8 Female Needle Valve
PNV-2M	1/8 Male Needle Valve
PNV-4B	1/4 Barb Needle Valve
PNV-4C	1/4 Compression Needle Valve
PNV-4F	1/4 Female Needle Valve
PNV-4M	1/4 Male Needle Valve
PNV-4P	1/4 Push-to-Connect Needle Valve
PNV-5B	5/16 Barb Needle Valve
PNV-6B	3/8 Barb Needle Valve
PNV-6P	3/8 Push-to-Connect Needle Valve
PNV-8B	1/2 Barb Needle Valve