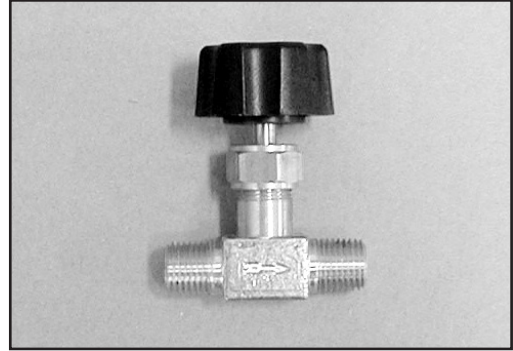


Series 8100 Miniature Forged Needle Valves

These valves are used in a wide variety of industrial and laboratory applications. They offer excellent flow control and both the brass and stainless steel models have Teflon® packing.

8100 Specifications

Maximum Operating Pressure . . . 3000 PSIG
 Temp. Operating Range . . . -65° F to 165° F
 Flow Coefficient Cv 0.35



How to Order:

Brass	Model Number		Monel	Pattern	Connections
	316 SS				
8111	8121			Straight	1/8" NPT male
8112	8122	8152		Straight	1/4" NPT male
8112A		8122A		Angle	1/4" NPT female
8113	8123			Straight	1/4" compression

Series 8400 Check Valves

Check valves prevent the return flow of gas, thus keeping foreign substances out of lines, regulators, and cylinders located upstream of the valve.

These valves are a spring loaded design with the spring on the high pressure side to protect it from foreign substances. The positive stop prevents over-stressing of the spring by sudden surges of gas pressure. An o-ring at the valve seat provides quick, efficient sealing.

The valves have a one piece body with 1/4" NPT female connections inlet and outlet. It is rated for 3000 psig with a cracking pressure of approximately 1 psig.



How to Order:

Model Number	Materials of Construction
8410V	Brass body, Viton® o-ring, st. st. spring
8420E	316 st. st. body, EPR o-ring, st. st. spring
8420V	316 st. st. body, Viton® o-ring, st. st. spring
8450V	Monel® body, Viton® o-ring, st. st. spring

Note: Check valves with other o-ring materials are available.