

Miniature Needle Valves

Model 61

Miniature needle valves are used in a wide variety of applications such as shutoff valves for gases, noncritical vacuum to high-pressure service, instrument air lines, sampling lines for service with gas chromatography apparatus, and other laboratory or industry applications wherever good flow control is required.

Specifications

Operating Pressure: 3000 psig (207 bar) max

Operating Temperature:
-60°F to 400°F (-52°C to 206°C)

Orifice: 0.14" (3.6 mm)

Flow Coefficient: $C_v = 0.35$

Materials of Construction

Body Forging: Brass, Monel®
or 316 Stainless Steel

Stem: Monel® or 303 Stainless Steel

Packing: PTFE, TFE



| Model Number | Material | Style | Inlet Connection | Outlet Connection |
|--------------|---------------------|----------|-------------------|--------------------|
| Q4-61B-2M | Brass | Straight | 1/8" NPT Male | 1/8" NPT Male |
| Q4-61B-4M | Brass | Straight | 1/4" NPT Male | 1/4" NPT Male |
| Q4-61B-2MA | Brass | Angle | 1/8" NPT Male | 1/8" NPT Male |
| Q4-61B-4F | Brass | Straight | 1/4" NPT Female | 1/4" NPT Female |
| Q4-61B-4A | Brass | Straight | 1/4" NPT Male | 1/4" Tube Fitting |
| Q4-61B-4T | Brass | Straight | 1/4" Tube Fitting | 1/4" Tube Fitting |
| Q4-61C-2H | Chrome-Plated Brass | Straight | 1/8" NPT Male | 1/8" Diameter Hose |
| Q4-61C-2M | Chrome-Plated Brass | Straight | 1/8" NPT Male | 1/8" NPT Male |
| Q4-61C-4H | Chrome-Plated Brass | Straight | 1/8" NPT Male | 1/4" Diameter Hose |
| Q4-61C-4M | Chrome-Plated Brass | Straight | 1/4" NPT Male | 1/4" NPT Male |
| Q4-61S-4M | Stainless Steel | Straight | 1/4" NPT Male | 1/4" NPT Male |
| Q4-61S-4MA | Stainless Steel | Angle | 1/4" NPT Male | 1/4" NPT Male |
| Q4-61M-4M | Monel® | Straight | 1/4" NPT Male | 1/4" NPT Male |