

Kerotest Mini Needle Valves, 316 Stainless Steel



Product Brief

The Kerotest Mini Needle Valves are ideal for limited space applications such as test stand circuitry, mobile equipment, gas cylinders, etc. Body length is less than 2" (51 mm). The maximum height from the valve centerline with valve open is 2" (51 mm). Mini Needle Valves are used in processing plants, oil and gas production, hydraulic and pneumatic equipment, testing labs—anywhere the flow of fluid must be carefully regulated.

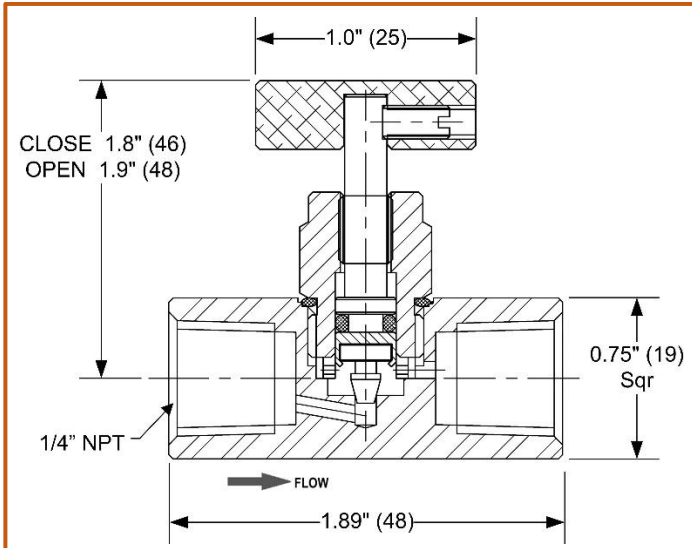
Features/Benefits

- **Maximum operating pressure:** 1,500 psi (103 bar)
- **Minimum burst pressure:** 3,000 psi (207 bar)
- **Temperature limits:** -26°F to +437°F (-15°C to +225°C)
- **Flow coefficients (CV):** See part number table
- **Body and bonnet material:** ASTM A182 F316 stainless steel
- **Stem material:** 17-4PH stainless with stainless steel body
- **Handle:** Stainless steel, easy grip, round knurled handle
- **Connection:** National Pipe Thread, meeting specification ASME B1.20.1
- **Finish:** Stainless steel is passivated

Specifications and Dimensions

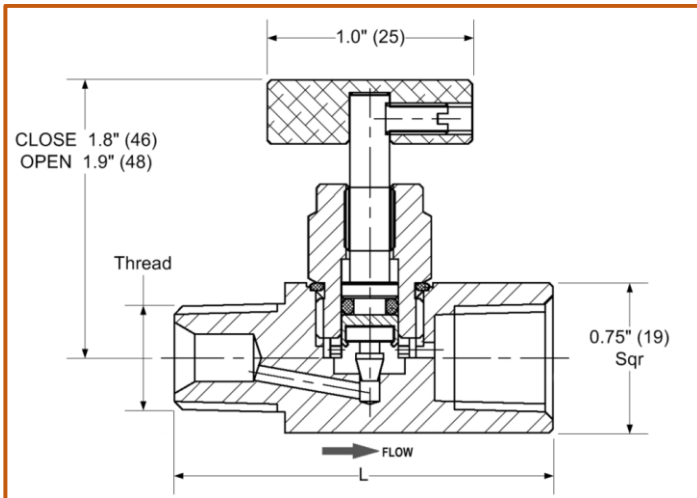
Female x Female Inline Configuration

| Pattern | NPT Size | Catalog No. | Part No. | Seat | Cv |
|---------|----------|-------------|----------|----------|------|
| FFG | 1/4" | T0342-I | 60001279 | Integral | 0.12 |



Male x Female Inline Configuration

| Pattern | NPT Size | Catalog No. | Part No. | Seat | Cv | L | S | Orifice |
|---------|----------|-------------|----------|----------|------|--------------|--------------|-------------|
| MFG | 1/8" | T0331-I | 60001220 | Integral | 0.12 | 1.50" (38.0) | 0.75" (19.0) | 0.10" (2.5) |
| | | T0331-S | 60001222 | PTFE | 0.12 | | | |
| | 1/4" | T0332-I | 60001217 | Integral | 0.12 | 1.89" (48.0) | 0.75" (19.0) | |
| | | T0332-S | 60001218 | PTFE | 0.12 | | | |

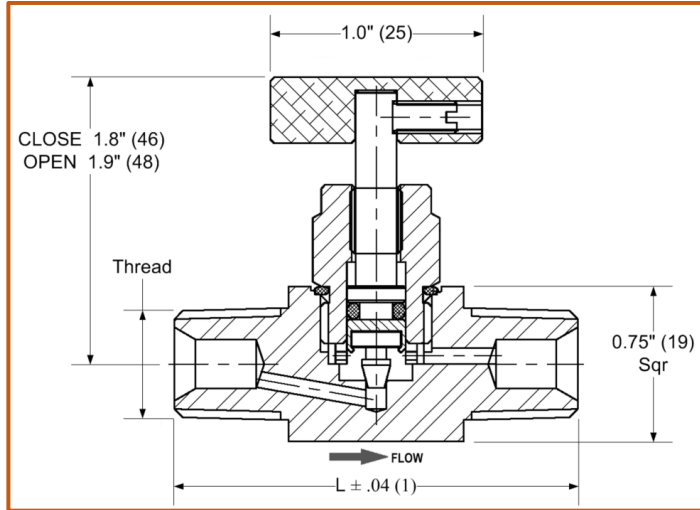


All dimensions are **inches (mm)**

Kerotest Mini Needle Valves

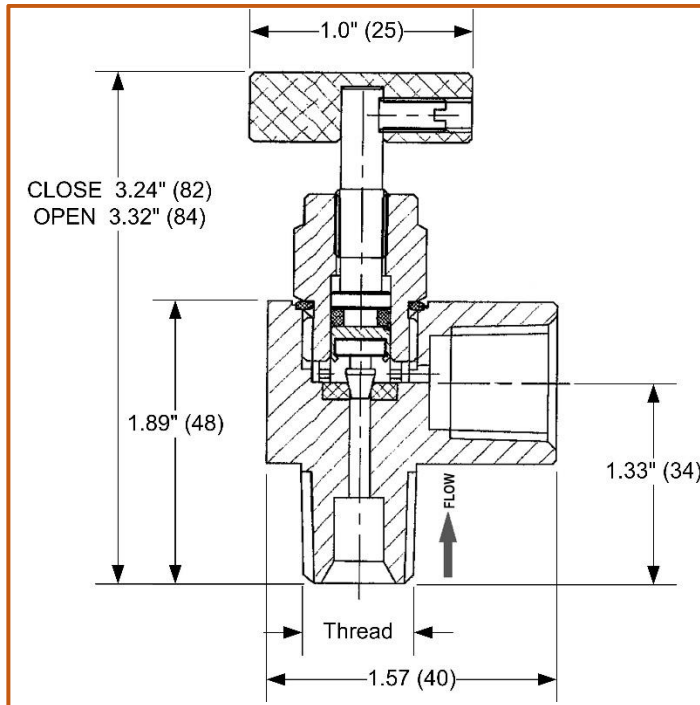
Male x Male Inline Configuration

| Pattern | NPT Size | Catalog No. | Part No. | Seat | Cv | L | S | Orifice |
|---------|----------|-------------|----------|----------|------|--------------|--------------|-------------|
| MMG | 1/8" | T0321-I | 60001219 | Integral | 0.12 | 1.50" (38.0) | 0.75" (19.0) | 0.10" (2.5) |
| | | T0321-S | 60001221 | PTFE | 0.12 | | | |
| | 1/4" | T0322-I | 60001216 | Integral | 0.12 | 1.89" (48.0) | 0.75" (19.0) | |
| | | T0322-S | 60001215 | PTFE | 0.12 | | | |



Male x Female Angle Configuration

| Pattern | NPT Size | Catalog No. | Part No. | Seat | Cv |
|---------|----------|-------------|----------|------|------|
| MFA | 1/2" | T0374-S | 60001283 | PTFE | 0.18 |



Kerotest Mini Needle Valves

Catalog Convention

T 0 3 3 2 - I

Example*

Style

T – Valve style

Type

0 – Mini Needle Valve

Body Material

3 – A182 316 Stainless Steel

Valve Pattern

3 – MFG (Male/Female globe pattern)

4 – FFG (Female/Female globe pattern)

7 – MFA (Male/Female angle pattern)

End Connection Size (NPT)

1 – 1/8"

2 – 1/4"

3 – 3/8"

Seat Type

I – Integral Seat

S – Soft Seat (PTFE)

* For example shown: **T0332-I** is an mini needle valve, 316 stainless steel construction, MFG (male x female globe pattern), 1/4" NPT threaded ends, with integral (body) seat

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K-TF-MNV-01 – Nov 2023