

Thermoplastic Valves Needle Valves



Pressure Rating @ 73°F (23°C), Water
 PVC or CPVC 235 psi
 PP 150 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)
 PP = 180°F (82°C)
 Solid PTFE Stem Seals
 No Elastomer or Lubricants used
 Valves include Panel Mounting Nut

PVC Needle Valve

| Size | Threaded | Socket | SR Threaded | Std Pk | Mstr Pk | Disc Code |
|------|----------|--------|-------------|--------|---------|-----------|
|------|----------|--------|-------------|--------|---------|-----------|

Globe Pattern

| | | | | | | |
|-----|-------------------|-------------------|---------------------|---|----|-----|
| 1/4 | 5591-002 67.71 | 5592-002 67.71 | --- | 1 | 18 | 218 |
| 3/8 | 5591-003 67.71 | 5592-003 67.71 | 5591-003SR 61.76 | 1 | 18 | 218 |
| 1/2 | 5591-005 75.15 | 5592-005 75.15 | 5591-005SR 77.17 | 1 | 18 | 218 |

Angle Pattern

| | | | | | | |
|-----|-------------------|-------------------|---------------------|---|----|-----|
| 1/4 | 5691-002 67.71 | 5692-002 67.71 | --- | 1 | 18 | 218 |
| 3/8 | 5691-003 67.71 | 5692-003 67.71 | --- | 1 | 18 | 218 |
| 1/2 | 5691-005 75.15 | 5692-005 75.15 | 5691-005SR 77.17 | 1 | 18 | 218 |

CPVC Needle Valve

| Size | Threaded | Socket | SR Threaded | Std Pk | Mstr Pk | Disc Code |
|------|----------|--------|-------------|--------|---------|-----------|
|------|----------|--------|-------------|--------|---------|-----------|

Globe Pattern

| | | | | | | |
|-----|--------------------|--------------------|----------------------|---|----|-----|
| 1/4 | 5591-002C 79.74 | 5592-002C 79.74 | --- | 1 | 18 | 219 |
| 3/8 | 5591-003C 79.74 | 5592-003C 79.74 | 5591-003CSR 79.56 | 1 | 18 | 219 |
| 1/2 | 5591-005C 84.33 | 5592-005C 84.33 | 5591-005CSR 86.49 | 1 | 18 | 219 |

Angle Pattern

| | | | | | | |
|-----|--------------------|--------------------|----------------------|---|----|-----|
| 1/4 | 5691-002C 79.74 | 5692-002C 79.74 | --- | 1 | 18 | 219 |
| 3/8 | 5691-003C 79.74 | 5692-003C 79.74 | --- | 1 | 18 | 219 |
| 1/2 | 5691-005C 84.33 | 5692-005C 84.33 | 5691-005CSR 86.49 | 1 | 18 | 219 |

PP Needle Valve

| Size | Threaded | Socket | SR Threaded | Std Pk | Mstr Pk | Disc Code |
|------|----------|--------|-------------|--------|---------|-----------|
|------|----------|--------|-------------|--------|---------|-----------|

Globe Pattern

| | | | | | | |
|-----|--------------------|-----|----------------------|---|----|-----|
| 1/4 | 5591-002P 74.61 | --- | --- | 1 | 18 | 219 |
| 3/8 | 5591-003P 74.61 | --- | --- | 1 | 18 | 219 |
| 1/2 | --- | --- | 5591-005PSR 82.51 | 1 | 18 | 219 |

Angle Pattern

| | | | | | | |
|-----|--------------------|-----|----------------------|---|----|-----|
| 1/4 | 5691-002P 74.61 | --- | --- | 1 | 18 | 219 |
| 3/8 | 5691-003P 74.61 | --- | --- | 1 | 18 | 219 |
| 1/2 | --- | --- | 5691-005PSR 82.51 | 1 | 18 | 219 |

**Lab Specialty Products
Lab Ball Valves & Needle Valves**



Lab Ball Valves



Pressure Rating @ 73°F (23°C), Water
1/4" - 3/8" 150 psi
Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
Rated for Vacuum Service

Valve & Adapters includes:

- 1 - Threaded 1/4" Valve
- 2 - O-ring Sealed 1/4" MPT x Mipt Adapters
- 2 - EPDM or Viton® O-rings (AS568-013 size)
- 1 - End Connector Wrench
- 2 - O-ring Sealed 1/4" MPT x 3/8" I.D. Tubing Barb Adapters
- OR -
- 2 - O-ring Sealed 1/4" MPT x 1/4" I.D. Tubing Barb Adapters



Socket/Threaded Valve Only

All Valves Assembled with Silicone-Free, Water Soluble Lubricant

Valve & Adapters

PVC

| Size | EPDM | Viton® | Std Pk | Mstr Pk | Disc Code |
|---|--------------------|--------------------|--------|---------|-----------|
| Valve & Adapters Threaded Ends | | | | | |
| 1/4X1/4T | 1529-002A 24.46 | 1539-002A 25.57 | 1 | 25 | 218 |
| 1/4X3/8T | 1529-002 24.46 | 1539-002 25.57 | 1 | 25 | 218 |
| Valve only Threaded Ends | | | | | |
| 1/4 | 1521-002 19.55 | 1531-002 21.76 | 50 | 200 | 218 |
| 3/8 | 1521-003 27.48 | 1531-003 30.47 | 50 | 200 | 218 |
| Valve only Socket Ends | | | | | |
| 1/4 | 1522-002 19.55 | 1532-002 22.12 | 50 | 200 | 218 |
| 3/8 | 1522-003 27.48 | 1532-003 30.47 | 50 | 200 | 218 |

CPVC

| Size | EPDM | Viton® | Std Pk | Mstr Pk | Disc Code |
|---|---------------------|---------------------|--------|---------|-----------|
| Valve & Adapters Threaded Ends | | | | | |
| 1/4X1/4T | 1529-002CA 29.36 | 1539-002CA 29.93 | 1 | 25 | 219 |
| 1/4X3/8T | 1529-002C 29.36 | 1539-002C 29.93 | 1 | 25 | 219 |
| Valve only Threaded Ends | | | | | |
| 1/4 | 1521-002C 23.51 | 1531-002C 25.85 | 50 | 200 | 219 |
| 3/8 | 1521-003C 32.97 | 1531-003C 30.90 | 50 | 200 | 219 |
| Valve only Socket Ends | | | | | |
| 1/4 | 1522-002C 23.51 | 1532-002C 27.98 | 50 | 200 | 219 |
| 3/8 | 1522-003C 32.97 | 1532-003C 36.60 | 50 | 200 | 219 |

Needle Valves



Pressure Rating @ 73°F (23°C), Water
PVC or CPVC 235 psi
PP 150 psi

Maximum Service Temperature

PVC = 140°F (60°C)
CPVC = 200°F (93°C)
PP = 180°F (82°C)

Solid PTFE Stem Seals
No Elastomer or Lubricants used
Valves include Panel Mounting Nut

PVC Needle Valve

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|----------------------|-------------------|-------------------|---------------------|--------|---------|-----------|
| Globe Pattern | | | | | | |
| 1/4 | 5591-002 67.71 | 5592-002 67.71 | --- | 1 | 18 | 218 |
| 3/8 | 5591-003 67.71 | 5592-003 67.71 | 5591-003SR 61.76 | 1 | 18 | 218 |
| 1/2 | 5591-005 75.15 | 5592-005 75.15 | 5591-005SR 77.17 | 1 | 18 | 218 |
| Angle Pattern | | | | | | |
| 1/4 | 5691-002 67.71 | 5692-002 67.71 | --- | 1 | 18 | 218 |
| 3/8 | 5691-003 67.71 | 5692-003 67.71 | --- | 1 | 18 | 218 |
| 1/2 | 5691-005 75.15 | 5692-005 75.15 | 5691-005SR 77.17 | 1 | 18 | 218 |

CPVC Needle Valve

| Size | Threaded | Socket | SR Threaded | Std Pk | Mstr Pk | Disc Code |
|----------------------|--------------------|--------------------|----------------------|--------|---------|-----------|
| Globe Pattern | | | | | | |
| 1/4 | 5591-002C 79.74 | 5592-002C 79.74 | --- | 1 | 18 | 219 |
| 3/8 | 5591-003C 79.74 | 5592-003C 79.74 | 5591-003CSR 79.56 | 1 | 18 | 219 |
| 1/2 | 5591-005C 84.33 | 5592-005C 84.33 | 5591-005CSR 86.49 | 1 | 18 | 219 |
| Angle Pattern | | | | | | |
| 1/4 | 5691-002C 79.74 | 5692-002C 79.74 | --- | 1 | 18 | 219 |
| 3/8 | 5691-003C 79.74 | 5692-003C 79.74 | --- | 1 | 18 | 219 |
| 1/2 | 5691-005C 84.33 | 5692-005C 84.33 | 5691-005CSR 86.49 | 1 | 18 | 219 |