**Needle Valves**

**L2880**

**Needle Valve, Straight Pattern**

- **Application:** Flow regulation of all laboratory gases, including special gases such as nitrogen, oxygen, helium and hydrogen. When ordered, valve may be specially cleaned, lubricated and packaged for pure gas service. Valve is certified for natural gas service by CSA International.
- **Valve Body:** Straight pattern forged brass.
- **Valve Unit:** Floating stainless steel needle and replaceable stainless steel seat.
- **Handle:** Forged brass four-arm handle with color-coded index disc.
- **Inlet:** 3/8" NPT male inlet.
- **Outlet:** 3/8" NPT female outlet with removable ten serration hose end.
- **Quality Assurance:** Valve is fully assembled and factory tested prior to shipment.

**L2880-131WSA**

**Needle Valve, Deck Mounted**

- **Mounting:** Deck mounted turret base with single outlet.
- **Valve Body:** Straight pattern forged brass.
- **Valve Unit:** Floating stainless steel needle and replaceable stainless steel seat.
- **Handle:** Forged brass four-arm handle with color-coded index disc.
- **Inlet:** Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.
- **Outlet:** 3/8" NPT female outlet with removable ten serration hose end.
- **Quality Assurance:** Fixture is fully assembled and factory tested prior to shipment.

**L2880-141FT**

**Double Needle Valve, Wall Mounted**

- **Mounting:** For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation.
- **Valve Bodies:** Angle pattern forged brass.
- **Valve Units:** Floating stainless steel needle and replaceable stainless steel seat.
- **Handles:** Forged brass four-arm handles with color-coded index discs.
- **Inlet:** Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.
- **Outlets:** 3/8" NPT female outlets with removable ten serration hose ends.
- **Quality Assurance:** Fixture is fully assembled and factory tested prior to shipment.

**L2880-141WSA**

**Double Needle Valve, Panel / Overhead Mounted**

- **Mounting:** For installation on vertical or horizontal surfaces (such as pipe chases and service carriers) where there is access behind surface during installation.
- **Valve Bodies:** Angle pattern forged brass.
- **Valve Units:** Floating stainless steel needle and replaceable stainless steel seat.
- **Handles:** Forged brass four-arm handles with color-coded index discs.
- **Inlet:** Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.
- **Outlets:** 3/8" NPT female outlets with removable ten serration hose ends.
- **Quality Assurance:** Fixture is fully assembled and factory tested prior to shipment.

**Additional Models**

- **L2882** Needle valve with angle serrated hose end.
- **L2883** Needle valve with quick connect fitting.
- **L2884** Needle valve with 1/4" OD compression fitting.

**Note:** Left hand valve rotated 90° counterclockwise for viewing.
### Needle Valves

#### L3180
Needle Valve, Angle Pattern

**Application:** Flow regulation of all laboratory gases, including special gases such as nitrogen, oxygen, helium and hydrogen. When ordered, valve may be specially cleaned, lubricated and packaged for pure gas service. Valve is certified for natural gas service by CSA International.

**Valve Body:** Angle pattern forged brass.

**Valve Unit:** Floating stainless steel needle and replaceable stainless steel seat.

**Handle:** Forged brass four-arm handle with color-coded index disc.

**Inlet:** 3/8” NPT male inlet.

**Outlet:** 3/8” NPT female outlet with removable ten serration hose end.

**Quality Assurance:** Valve is fully assembled and factory tested prior to shipment.

**Additional Models**
- L3182 Needle valve with angle serrated hose end.
- L3183 Needle valve with quick connect fitting.
- L3184 Needle valve with 1/4” OD compression fitting.

#### L3180-131WSA
Needle Valve, Overhead Mounted

**Mounting:** Turret base with single outlet for mounting underneath reagent shelf.

**Valve Body:** Angle pattern forged brass.

**Valve Unit:** Floating stainless steel needle and replaceable stainless steel seat.

**Handle:** Forged brass four-arm handle with color-coded index disc.

**Inlet:** Furnished with 3/8” IPS mounting shank (assembled), locknut and washer. 3/8” NPT male inlet.

#### L3180-141FT
Double Needle Valve, Wall Mounted

**Mounting:** For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation. Wye fitting is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure fixture and conceal pipe.

**Valve Bodies:** Angle pattern forged brass.

**Valve Units:** Floating stainless steel needle and replaceable stainless steel seat.

**Handles:** Forged brass four-arm handles with color-coded index discs.

**Inlet:** 3/8” NPT female inlet.

**Outlets:** 3/8” NPT female outlets with removable ten serration hose ends.

**Quality Assurance:** Fixture is fully assembled and factory tested prior to shipment.

**Note:** Left hand valve rotated 90° clockwise for viewing.

#### L3180-141WSA
Double Needle Valve, Panel / Overhead Mounted

**Mounting:** For installation on vertical or horizontal surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

**Valve Bodies:** Angle pattern forged brass.

**Valve Units:** Floating stainless steel needle and replaceable stainless steel seat.

**Handles:** Forged brass four-arm handles with color-coded index discs.

**Inlet:** Furnished with 3/8” IPS mounting shank (assembled), locknut and washer. 3/8” NPT male inlet.

**Outlets:** 3/8” NPT female outlets with removable ten serration hose ends.

**Quality Assurance:** Fixture is fully assembled and factory tested prior to shipment.

**Note:** Left hand valve rotated 90° clockwise for viewing.
### Needle Valves

<table>
<thead>
<tr>
<th>Model</th>
<th>Mounting</th>
<th>Valve Body</th>
<th>Valve Unit</th>
<th>Handle</th>
<th>Inlet</th>
<th>Outlet</th>
<th>Quality Assurance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>L4880FT-325</strong></td>
<td>For installation on vertical surfaces (such as drywall) where there is</td>
<td>Straight pattern</td>
<td>Floating stainless steel needle and replaceable stainless steel seat.</td>
<td>Forged brass four-arm handle</td>
<td>3/8” NPT female</td>
<td>3/8” female outlet with removable ten serration hose end</td>
<td>Fixture is fully assembled and tested before shipment.</td>
</tr>
<tr>
<td>Needle Valve, Wall Mounted</td>
<td>no access behind wall during installation. Valve is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure valve and conceal pipe.</td>
<td>forged brass.</td>
<td></td>
<td>with color-coded index disc.</td>
<td>inlet.</td>
<td>outlet</td>
<td></td>
</tr>
<tr>
<td><strong>L4880F-225WSA</strong></td>
<td>Mounting: For installation on vertical or horizontal surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.</td>
<td>Straight pattern forged brass.</td>
<td>Floating stainless steel needle and replaceable stainless steel seat.</td>
<td>Forged brass four-arm handle with color-coded index disc.</td>
<td>Furnished with 3/8” IPS mounting shank (assembled), locknut and washer.</td>
<td>3/8” female outlet with removable ten serration hose end</td>
<td>Fixture is fully assembled and tested before shipment.</td>
</tr>
<tr>
<td>Needle Valve, Panel / Overhead Mounted</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>inlet.</td>
<td>outlet</td>
<td>Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.</td>
</tr>
<tr>
<td><strong>L5180FT-325</strong></td>
<td>For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation. Valve is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure valve and conceal pipe.</td>
<td>Angle pattern forged brass.</td>
<td>Floating stainless steel needle and replaceable stainless steel seat.</td>
<td>Forged brass four-arm handle with color-coded index disc.</td>
<td>3/8” NPT female inlet.</td>
<td>3/8” female outlet with removable ten serration hose end</td>
<td>Fixture is fully assembled and factory tested prior to shipment.</td>
</tr>
<tr>
<td>Needle Valve, Wall Mounted</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>inlet.</td>
<td>outlet</td>
<td>Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.</td>
</tr>
<tr>
<td><strong>L5180F-225WSA</strong></td>
<td>Mounting: For installation on vertical surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.</td>
<td>Angle pattern forged brass.</td>
<td>Floating stainless steel needle and replaceable stainless steel seat.</td>
<td>Forged brass four-arm handle with color-coded index disc.</td>
<td>Furnished with 3/8” IPS mounting shank (assembled), locknut and washer.</td>
<td>3/8” NPT male inlet.</td>
<td>Outlet: 3/8” female outlet with removable ten serration hose end.</td>
</tr>
<tr>
<td>Needle Valve, Panel Mounted</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>inlet.</td>
<td>outlet</td>
<td>Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.</td>
</tr>
</tbody>
</table>
Needle Valves

L5280FT-325
Needle Valve, Wall Mounted
Mounting: For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation. Valve is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure valve and conceal pipe.

Valve Body: Angle pattern forged brass with angled outlet.

Valve Unit: Floating stainless steel needle and replaceable stainless steel seat.

Handle: Forged brass four-arm handle with color-coded index disc.

Inlet: 3/8" NPT female inlet.

Outlet: 3/8" NPT female angled outlet with removable ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L5280F-225WSA
Needle Valve, Panel Mounted
Mounting: For installation on vertical surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

Valve Body: Angle pattern forged brass with angled outlet.

Valve Unit: Floating stainless steel needle and replaceable stainless steel seat.

Handle: Forged brass four-arm handle with color-coded index disc.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlet: 3/8" NPT female angled outlet with removable ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.