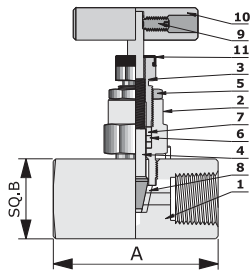


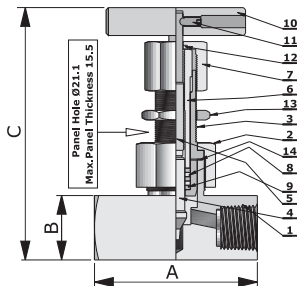
SOFT SEATED SCREWED BONNET NEEDLE VALVES PRODUCT CODE : CSSNV



| Nos. | Description | Qty. | Material |
|------|---------------|------|----------|
| 1 | Body | 1 | SS 316 |
| 2 | Bonnet | 1 | SS 316 |
| 3 | Bonnet Pusher | 1 | SS 316 |
| 4 | Stem | 1 | SS 316 |
| 5 | Check Nut | 1 | SS 316 |
| 6 | Packing | 2 | PTFE |
| 7 | Gland | 1 | SS 316 |
| 8 | Seat | 1 | PTFE |
| 9 | Grub Screw | 1 | SS |
| 10 | Handle | 1 | SS 304 |
| 11 | Dust Cap | 1 | Plastic |

| COMFIT PRODUCT RANGE | Inlet | Outlet | Orifice | A | B |
|----------------------|-------------|-------------|---------|----|----|
| 4NF-CSSNV | 1/4" NPT(F) | 1/4" NPT(F) | 4.8 | 62 | 32 |
| 6NF-CSSNV | 3/8" NPT(F) | 3/8" NPT(F) | | 62 | 32 |
| 8NF-CSSNV | 1/2" NPT(F) | 1/2" NPT(F) | | 72 | 35 |
| 4NM-CSSNV-4NF | 1/4" NPT(M) | 1/4" NPT(F) | | 62 | 32 |
| 6NM-CSSNV-6NF | 3/8" NPT(M) | 3/8" NPT(F) | | 62 | 32 |
| 8NM-CSSNV-8NF | 1/2" NPT(M) | 1/2" NPT(F) | | 72 | 35 |

UNION BONNET NEEDLE VALVES (6000 psig / 414 barg) PRODUCT RANGE : CUBNV



| Nos. | Description | Qty. | Material |
|------|----------------|------|----------|
| 1 | Body | 1 | SS 316 |
| 2 | Bonnet Nut | 1 | SS 316 |
| 3 | Bonnet | 1 | SS 316 |
| 4 | Lower Stem | 1 | SS 316 |
| 5 | Upper Stem | 1 | SS 316 |
| 6 | Stem Guide | 1 | PTFE |
| 7 | Packing Nut | 1 | SS 316 |
| 8 | Packing | 1 | PTFE |
| 9 | Packing Washer | 1 | SS 316 |
| 10 | Handle | 1 | SS 304 |
| 11 | Grub Screw | 1 | SS |
| 12 | Dust Seal | 1 | Nylon |
| 13 | Locking Nut | 1 | SS 316 |
| 14 | Bonnet Seal | 1 | PTFE |

| COMFIT PRODUCT RANGE | Inlet | Outlet | Orifice | A | B |
|----------------------|-------------|-------------|---------|----|-------|
| 4NF-CUBNV | 1/4" NPT(F) | 1/4" NPT(F) | 6.4 | 58 | 30118 |
| 6NF-CUBNV | 3/8" NPT(F) | 3/8" NPT(F) | 7.9 | 66 | 30118 |
| 8NF-CUBNV | 1/2" NPT(F) | 1/2" NPT(F) | 7.9 | 76 | 30118 |

DIMENSIONS FOR REFERENCE ONLY, SUBJECT TO CHANGE.

Description

- Soft seated Needle valves are designed for operation with upto 6000 psig (414 barg) rating With Complete standard PTFE stem packing & self centering non-rotating stem, back-seated needle design, it gives complete sealing security. Stem threads above packing protects stem from media.
- This is designed for repetitive bubble-tight shut-off, safety, and a long life with easy maintenance. Online replaceable soft seats give perfect alignment positive tightness at closure.
- This is rising plug design provides good regulation.
- Valve can be supplied CS,SS & also supplied to meet the current revision of NACE MR-01-75 (Sour Gas service).

Features

- Square body bar stock needle valve Design with back seated blowout proof.
- Dust Cap on bonnet pusher protects stem threads from external contamination.
- Packing and sealing are leak tight for easy operation & Packing below threads prevents lubricant washout, thread corrosion, and keeps solids from entering thread area causing galling. This also prevents process contamination.
- Low torque operating T bar handle.
- Bonnet Locking Pin Prevents accidental disassembly of bonnet from valve body.
- On line replacement of valve seat is allowed without removing the valve from the line which offers positive bubble-tight shut-off.

Specifications

- Size - 1/4", 3/8", 1/2"
- End connection - NPT, BSPT, Socket weld, Butt weld, Tube fitting.
- With straight pattern
- Working Pressure - upto 6000Psig
- Temperature Rating - PTFE 450°F, (232°C) / Grafoil 700°F (371°C)
- Material - SS 316, SS 304, C.S., F11, Hastelloy, Monel, Valve can be supplied to meet the current revision of NACE MR-01-75 (Sour Gas service).
- Packing - PTFE, Grafoil
- Panel mounting on request.
- All valves are 100% factory tested at 1000 psig.
- Lubrication - Dye molly sulphide.

Purpose

Union Bonnet Valves have been engineered for use at pressures up to 6,000 (414 bar) and temperatures as high as 1,200 °F (649 °C). A non-rotating lower stem helps to extend packing life by removing rotation from the packing area. Stem packing below the threads isolates the thread lubricant from the flow, ensuring adequate lubrication regardless of the media.

Features

- Union bonnet design ensures high integrity seal under severe service applications
- Packing below the power threads protects thread lubricants from media and isolates the lubricants from the media
- Dust seal in the packing nut protects stem threads from external contamination
- Stem swivel above the packing eliminates entrapment area and increases packing life
- Choice of Grafoil® or PTFE packing
- Choice of Regulating or Blunt stem types. Blunt stem type helps combat wire draw which may occur when two phase flow is present (i.e. steam service)
- 316 stainless steel construction

Specifications

- Size - 1/4", 3/8", 1/2" NPT(F) & 1/4", 3/8", 1/2", 10mm, 12mm ODT
- End connection - NPT, Tube fitting.
- With straight and angle pattern
- Working Pressure - 6000Psig
- Temperature Rating - PTFE 450°F, (232°C) / Grafoil 700°F (371°C)
- Material - SS 316
- Packing - PTFE, Grafoil
- Panel mounting.
- Lubrication - Dye molly sulphide.
- 100% factory tested at 1000 psig.