

Valves for Liquefiable and Corrosive Gases

Chlorine and hydrogen fluoride valves in two pcs spindle design

Product Features

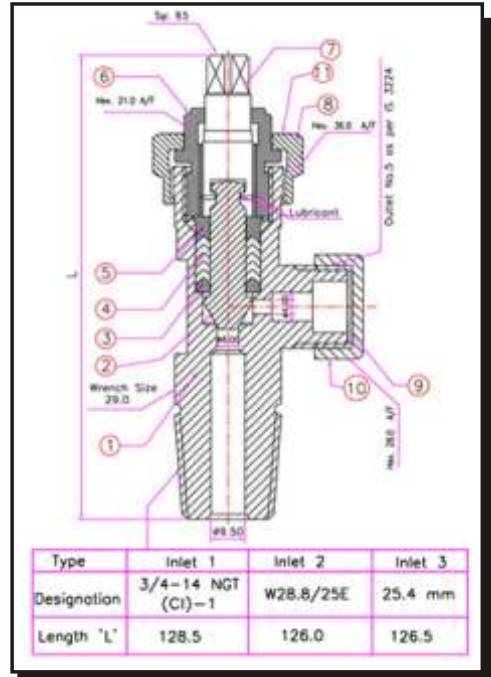
- Valve material as per recommendation of Chlorine Institute Inc for Chlorine service.
- Two Pcs. Spindle/Stem design facilitates self alignment to make seat easy leak proof.
- Spindle thread is prevented from contact with corrosive content of the cylinder by multi packings. It prevents corrosion of the thread and gives longer spindle life.
- Multiple packings in a series minimize gland leak.
- Precision-machined components ensure valve leak proof at minimum torque and long service life.
- Chlorine cylinder valves manufactured to CGA standard provided with fusible plug having yield temperature 70°C-74°C.

Series : CAV-04



Torque Values

| | |
|------------------------------|-------|
| Closing | 8 Nm |
| Packing nut cap installation | 35 Nm |



Material of Construction

| Item No | Description | Material |
|---------|-------------------|-------------------------------------|
| 1. | Valve body-forged | AlSi Bronze to ASTM B 124 - C 64210 |
| 2. | Bottom spindle | Monel® 400 to ASTM B 164-C 4400 |
| 3. | Packing collar | AlSi Bronze to ASTM B 124 - C 64210 |
| 4. | Packing x 5 | P.T.F.E. |
| 5. | Packing gland | Free cutting brass IS:319 |
| 6. | Packing nut | |
| 7. | Top spindle | Monel® 400 to ASTM B 164-C 4400 |
| 8. | Packing nut cap | Brass |
| 9. | Outlet gasket | Pure lead |
| 10. | Seal nut | Free cutting brass IS 319 Grade I |
| 11. | Ring | Plastic |

Service chart

| Gas service | Test Pressure Kg/cm ² | | Outlet connection | | | | | | | |
|-------------------|----------------------------------|-----------|-------------------|--------------------|----------------------|---------------------------|----------------------------------|--------------------|-----------------------------------|-------------------------|
| | Pneumatic | Hydraulic | IS 3224:2002 | | CGA V - 1 - 2005 | | BS 341 - 3 : 2002 (Upto 250 Bar) | | DIN 477 - 1 : 1990 (Upto 300 Bar) | |
| | | | No | Thread | No | Thread | No | Thread | No | Thread |
| Chlorine | 40 | 60 | 5 | G 5/8 A (External) | 820 (Upto 500 psig) | 1.030 - 14 NGO - RH - EXT | 6 | G 5/8 A (External) | 8 | 1 in - 8 BSW (External) |
| Hydrogen Fluoride | | | | | 670 (Upto 3000 psig) | 1.030 - 14 NGO - LH - EXT | | | | |