



**Flange Rating :**

ANSI CL. 150/CL. 300/CL. 600  
PN 10/16/25/40/64

**Nominal Diameter :**

DN50(2") to DN2100(84")

**Temperature Range :**

-50°C (-60°F) to 650°C (1200°F)

**Working Pressure :**

Full pressure rating

**Features :**

- inherent fire safety design
- metal to metal sealing
- low operating torque
- anti blowout shaft design
- facile maintenance
- robust design
- fitness for high temperature steam service

**Applications :**

- general & petro chemical
- oil refinery / production
- steel and iron mill
- shipbuilding
- combined / nuclear power plant
- other plant engineering

**Operating :**

- manual hand lever / worm gear
- pneumatic actuator
- electric actuator

**Options :**

- stellite / ENP on disc
- anti-static device
- manual operator locking device
- bonnet / stem extension
- heating jacket
- material selection for anti-corrosion, high & low temperature ; inconel, monel, titanium, CF3M, aluminum bronze, etc.



Titanium VV(Jacket type)



Control VV assembly shop