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Ball valves

Cryogenic side-mounted floating ball valve



Main parameters

Nominal pressure : PN16-PN320

Nominal diameter : DN15~DN200

Applicable media : NG, O₂, N₂, Ar and other gases or liquids

Applicable temperature : -196°C ~+70°C

Connection : flange

Test inspection : GB/T 24925、BS6364

Design feature

1. Low leakage fireproof packing to prevent valve stem leakage and achieve fireproof function
2. Design of drip board prevents condensed water from flowing into the insulation layer.
3. Anti-static design
4. Fireproof design meeting API607 and API6FA standards
5. Design of low torque

Normal-temperature side-mounted floating ball valve



Main parameters

Nominal pressure : 150LB-1500LB(PN16-PN320)

Nominal diameter : 1/2~10(DN15-DN250)

Applicable media : oil, gas, water, etc.

Applicable temperature : -50~150

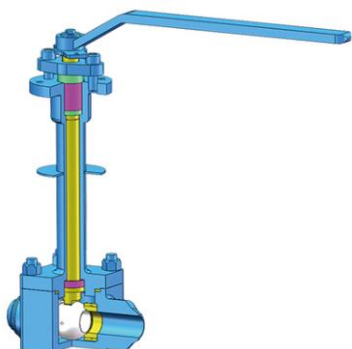
Connection : flange/welded

Test inspection:API 598

Design feature :

1. Design of full-through or reduced diameter
2. Fireproof design meeting API607 or API6FA standards
3. Anti-static design
4. ISO5211 standard top flange
5. Anti-blow-out design of valve stem

Cryogenic top-mounted floating ball valve



Main parameters

Nominal pressure : PN16-PN320

Nominal diameter : DN15~DN50

Applicable media : NG, O₂, N₂, Ar and other gases or liquids

Applicable temperature : -196°C ~+70°C

Connection : flange

Test inspection : GB/T 24925、BS6364

Design feature

1. Low leakage fireproof packing to prevent valve stem leakage and achieve fireproof function
2. Design of drip board prevents condensed water from flowing into the insulation layer.
3. Anti-static design
4. Fireproof design meeting API607 and API6FA standards
5. Design of low torque
6. Design of online maintenance

Normal-temperature side-mounted trunnion mounted ball valve



Main parameters

Nominal pressure : 150LB-2500LB(PN16-PN420)

Nominal diameter : 2~24(DN50-DN600)

Applicable media : oil, gas, water, etc.

Applicable temperature : -46~150

Connection : flange/welded

Test inspection:API 6D

Design features

- (1) Design of full-through or reduced diameter
- (2) Fireproof design meeting API607 or API6FA standards
- (3) Anti-static design
- (4) ISO5211 standard top flange
- (5) Anti-blow-out design of valve stem
- (6) Double-blocking double-drain function

Cryogenic side-mounted trunnion mounted ball valve



Main parameters

Nominal pressure : PN16-PN160

Nominal diameter : DN15~DN600

Applicable media : NG、O₂、N₂、Ar and other gases or liquids

Applicable temperature : -196°C ~+70°C

Connection : flange

Test inspection : GB/T 24925、BS6364

Design feature

1. Low leakage fireproof packing to prevent valve stem leakage and achieve fireproof function
2. Design of drip board prevents condensed water from flowing into the insulation layer
3. Anti-static design
4. Fireproof design meeting API607 and API6FA standards
5. Design of low torque

Cryogenic top-mounted trunnion mounted ball valve

**Main parameters**

Nominal pressure : PN16-PN100

Nominal diameter : DN15~DN600

Applicable media : NG, O₂, N₂, Ar and other gases or liquids

Applicable temperature : -196°C ~+70°C

Connection : flange

Test inspection : GB/T 24925、BS6364

Design feature

1. Low leakage fireproof packing to prevent valve stem leakage and achieve fireproof function
2. Design of drip board prevents condensed water from flowing into the insulation layer.
3. Anti-static design
4. Fireproof design meeting API607 and API6FA standards
5. Design of low torque
6. Design of online maintenance

Cryogenic tank Ball Valve

**Main parameters**

Nominal pressure : 1.6、2.0、2.5、4.0MPa

Nominal diameter : 50mm

Applicable media : NG、O₂、N₂、Ar and other gases or liquids

Applicable temperature : -196°C ~+80°C

Connection : welded, flange

Test inspection : GB/T12237、GB/T24925

Material of main parts

Valve body, bonnet, valve stem, ball: stainless steel

Material of seal: PCTFE

Cryogenic emergency disengagement valve



Main parameters

Nominal pressure : 1.6、2.0MPa

Nominal diameter : 150~400mm

Applicable media : NG、O₂、N₂、Ar and other gases or liquids
and other gases or liquids : -196°C ~+80°C

Connection : welded, flange

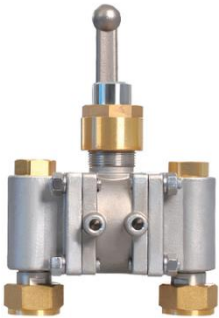
Test inspection : GB/T12237、GB/T24925

Material of main parts

Valve body, bonnet, valve stem, ball: stainless steel

Material of seal: PFA

Cryogenic three-way ball valve



Main parameters

Nominal pressure : 1.6、2.0、2.5、4.0MPa

Nominal diameter : 15~25mm

Applicable media : NG、O₂、N₂、Ar and other gases or liquids

Applicable temperature : -120°C ~+80°C

Connection : welded, flange

Test inspection : GB/T12237、GB/T24925

Material of main parts

Valve body, bonnet, valve stem, ball: stainless steel

Material of seal: PFA

High-pressure ball valve



Main parameters

Nominal pressure : 42.0MPa

Nominal diameter : 15、20、25 mm
Applicable media : NG、O2、N2、Ar and other gases
Applicable temperature : -40°C ~+100°C
Connection : threaded, welded
Test inspection : GB/T26480

Material of main parts

Valve body, bonnet, valve stem, ball: stainless steel

Material of seal: PCTFE

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