Instrument needle & ball valves and manifolds

For more than 20 years Imperial Valve has been successfully supplying instrument needle valves, ball valves and manifolds to the oil, gas and petrochemical industries.

**Features**
- Material traceability EN10204-3.1 standard
- Non-rotating stem
- Anti-blow out stem
- Optional handle locking
- Low operating torque on high pressures

**Specifications**
- Ratings: 6,000 PSI & 10,000 PSI
- Sizes: 1/4"-1"
- Materials: a wide selection of materials for both body and internals, e.g.: carbon steel, low alloy steels, stainless steels, Duplex, Ni-alloys and titanium. Incuding NACE MR-01-75 (latest revision)
Medium and high pressure valves

With the increasing demand of the market for high pressure valves, Imperial Valve has responded with an extended range of medium pressure (ca. 20,000 psi) and high pressure (up to 60,000 psi) needle and ball valves.

**Features**

- Adjustable packing for high cycle life and low operating torque
- Blow out resistant 2-piece non rotating stem with stem bearing for high cycle life and low torque operation
- Three standard mounting options
- Large section of tube and pipe fittings available
- Optional valve locking
- Easy panel mounting
- Ball valves: floating ball or trunnion mounted available

**Specifications**

- Sizes: 1/4"-1"
- Ratings: 10,000 PSI, 20,000 PSI and 60,000 PSI
- Materials: a wide selection of materials for both body and internals, e.g.: carbon steel, low alloy steels, stainless steels, Duplex, Ni-alloys and titanium. Including NACE MR01-75 (latest revision)
Monoflange valves

Where compactness and a high specification for mechanical and piping applications is required, Imperial Valve offers a complete range of monoflange valves in accordance with ANSI / ASME B.16.34.

### Block valves

- Fully in accordance with ANSI / ASME specifications
- Fire safe tested in accordance with BS 6755 part II
- Fully integral (OS+Y) bolted bonnet
- Metal seated on high pressure gas applications
- Saving space, weight and money

### Features

- All ANSI / DIN flange sizes available
- Ratings: ANSI 150 - 2500 LBS / DIN PN10-PN160
- Materials: a wide selection of materials for both body and internals, e.g.: carbon steel, low alloy steels, stainless steels, Duplex, Ni-alloys and titanium. Incuding NACE MR-01-75 (latest revision)

### Specifications

- Drain/Bleed
Instrument double block & bleed valves

Where compactness and a high specification for mechanical and piping applications is required, Imperial Valve offers a complete range of instrument double block & bleed valves in accordance with ANSI / ASME B.16.34.

**Double block & bleed valves**

- Through bore ball-needle-ball configuration
- Reduced and full bore sizes available
- Flange x thread or flange x flange configurations
- Sampling and chemical injection versions available
- Handle locking option available
- Fire tested in accordance with BS6755 part II

**Sampling & chemical injection**

**Features**

- Through bore ball-needle-ball configuration
- Reduced and full bore sizes available
- Flange x thread or flange x flange configurations
- Sampling and chemical injection versions available
- Handle locking option available
- Fire tested in accordance with BS6755 part II

**Specifications**

- Flange sizes 1/2" upto 3" available
- Ratings: ANSI 150-2500 lbs / DIN PN10-PN160
- Materials: a wide selection of materials for both body and internals, e.g.: carbon steel, low alloy steels, stainless steels, Duplex, Ni-alloys and titanium. Including NACE MR-01-75 (latest revision)
**Ball valves, large bore**

*Imperial Valve* has introduced a new selection of large bore ball valves, including double block & bleed valves. These valves are available with ANSI and DIN flanges, sizes 1”-24”, rating 150-2500 lbs / PN10-PN160, floating ball or trunnion mounted.

### Single block ball valves

- Floating ball or trunnion mounted ball
- Actuators, gear boxes and extended handles can be offered for these valves
- Cryogenic and high-temperature applications are available
- Soft or metal seated

### Double block & bleed valves

### Specifications

- Sizes: 2”-24”; ANSI and DIN flange
- Ratings: ANSI 150-2500 lbs / DIN PN10-PN160
- Materials: a wide selection of materials for both body and internals, e.g.: carbon steel, low alloy steels, stainless steels, Duplex, Ni-alloys and titanium. Incuding NACE MR-01-75 (latest revision)
**Plug valves, large bore**

**Imperial Valve** has introduced a new selection of large bore plug valves including double isolating plug valves. These valves are available with ANSI and DIN flanges, sizes 1”-24”, rating 150-2500 lbs / PN10-PN160.

### Features
- Re-adjustable packing/plug
- Actuators, gear boxes and extended handles can be offered for these valves
- High-temperature applications available
- Lubricated metal seated or soft seated
- 3-way plug valves available

### Specifications
- Sizes: 2”-24”; ANSI and DIN flange possible
- Ratings: ANSI 150-2500 lbs / DIN PN10-PN160
- Materials: a wide selection of materials for both body and internals, e.g.: carbon steel, low alloy steels, stainless steels, Duplex, Ni-alloys and titanium. Incuding NACE MR01-75 (latest revision)
Turn key solutions

Working together with major operators in the field of oil, gas and power generation, Imperial Valve has produced many turn-key solutions over three decades. Some of them are highlighted below.

| Measurement solutions |

Features
- Integral solutions often reduce the number of potential leak paths making a safer system
- By reducing the size and weight of hook-ups, these solutions will make considerable financial savings

Specifications
- All solutions are in accordance with the relevant international standard and specifications
Together with DP Systems, Imperial Valve can offer a complete range of Glass Reinforced Polyester (GRP) instrument enclosures for protection against frost, sand, salt spray and other harmful environments.

**Features**
- Diagonal split/front door type available
- Thermally insulated body enclosures available
- Standard colour light gray
  Other colours available
- Stainless steel toggles and fasteners

**Specifications**
- Protection rating to IP66, BS 5490 / IEC 524
- Temperature range -55°C to +140°C
- Impact resistant to BS 5501
- Fire retardant to BS 476 part 7 class 2 and self extinguishing
- Anti-static to BS 5501 available
Check valves & accessories

**Imperial Valve** offers a new range of in-line instrument check valves in 6,000 and 10,000 PSI rating. To assure correct fit of valuable instruments we also provide a wide range of accessories.

### Check valves

- Compact design in-line instrument check valves prevents back flow
- Imperial Valve instrument accessories are designed with very close tolerances and high mechanical quality to assure perfect fit with your valuable instruments

### Accessories

- Check valves, in-line, 6,000 and 10,000 PSI, size range 1/4”-1”
- Standard cracking pressure is 20 PSI (1.38 bar) ± 30%
- Wide range of materials available

### Features

- Compact design in-line instrument check valves prevents back flow
- Imperial Valve instrument accessories are designed with very close tolerances and high mechanical quality to assure perfect fit with your valuable instruments
Imperial Valve BV, the Netherlands

- Sales office
- Production
- Assemblies / Turn key projects
- Testing & inspection
- Warehouse

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