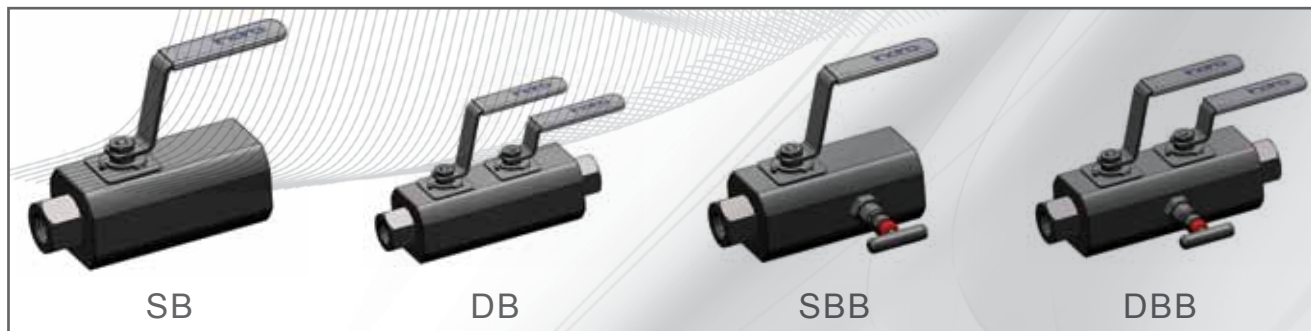


SB-DB-SBB-DBB Ball Type - Threaded

Mod. 590-1 ... 890-1



Applications:

- Pressure instruments isolation and vent (gauges, switches, transmitters, etc.).
- Used as alternative to conventional manifold to permit a more compact installation, where presence of vibration is of concern.

Connections:

- Threaded to ANSI-ASME B1.20.1, ISO 228 - ISO 7/1

Rating:

- Standard: 6,000 PSI (420 bar) (-46 / +200 °C)

Seals (std: T -46 ÷ +200 °C):

- Ball: Peek
- Bonnet: Graphite (standard)

Features:

- Bonnet with non rotating trim
- Bonnet locking pin
- Dust protection
- Reduction of time and installation cost

| Inlet | Outlet | Connections | Dimensions | | Weight |
|-------|--------|-------------|----------------|------------|--------|
| | | | A (mm) | | |
| NPT | NPT | FxF / MxF | SB / SBB | DB / DBB | Kg |
| 1/2" | 1/2" | FxF MxF | 153 173 | 205 225 | 5.5 |
| 3/4" | 3/4" | FxF MxF | 156 176 | 211 231 | 6.0 |
| 1" | 1" | FxF MxF | 161.5 181.5 | 222 242 | 6.5 |

Ordering Information

| Ball Type | | | Connections IN | | | * Vent (only for SBB-DBB) | | Seal material | | Options See table | | |
|-----------|----|--------------------|----------------|----------|---|------------------------------|----|-----------------------|--|----------------------|--|--|
| SB | 59 | Single Block | D | 1/2" NPT | B | 1/4" NPT-F | PG | Peek / Graphite (std) | | | | |
| DB | 69 | Double Block | E | 3/4" NPT | D | 1/2" NPT-F (std) | X | On demand | | | | |
| SBB | 79 | Single Block&Bleed | F | 1" NPT | | | | | | | | |
| DBB | 89 | Double Block&Bleed | | | | | | | | | | |

DBB

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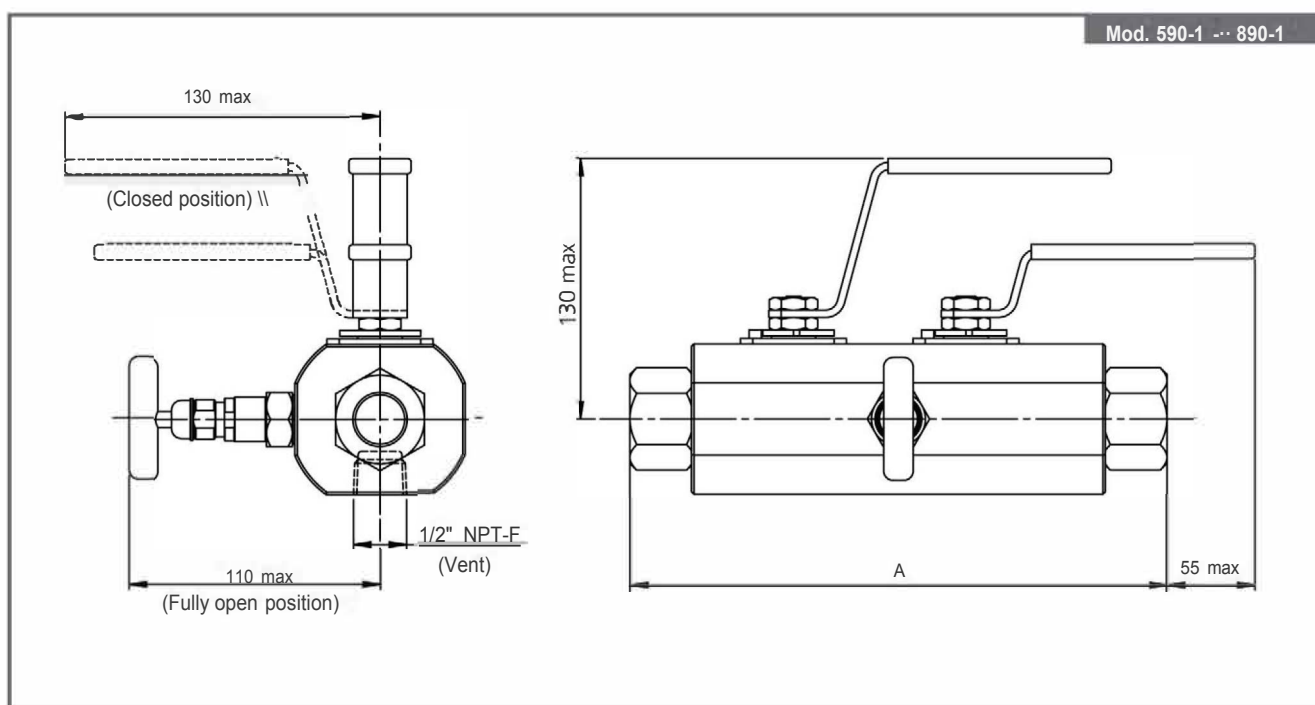
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| Connections | |
|-------------|------------|
| 0 | Thread FxF |
| 1 | Thread MxF |

| Connections OUT | |
|-----------------|------|
| D | 1/2" |
| E | 3/4" |
| F | 1" |

| Materials | |
|-----------|------------------------------|
| L | S.S. 316L |
| DL | S.S. 316 / 316L (Dual grade) |
| N | S.S. 316 Nace |
| C | C.S. A 105 |
| LF2 | C.S. A 350 LF2 |
| D | Duplex F51 |
| SD | Superduplex |
| M | Monel 400 |
| X | On demand |

* NPT standard
Add:
R= BSPT thread
G= BSPP thread
Es/ Ex: DR= 1/2" BSPT



Options

| -H | -L | -P | | | | | | Availability | | | |
|----------|---|----|--|--|--|--|--|---------------|-----------|-------------|-------------|
| | | | | | | | | Needle Valves | Manifolds | Monoflanges | Ball Valves |
| A | Antitamper Actuator | | | | | | | ✓ | ✓ | ✓ | ✓ |
| B | Bolted Bonnet | | | | | | | ✓ | | ✓ | ✓ |
| F | Oval Flange | | | | | | | | ✓ | | |
| G | Graphite seals | | | | | | | ✓ | ✓ | ✓ | ✓ |
| H | Rating 10.000 PSI (²) | | | | | | | ✓ | ✓ | | |
| K1 | Mechanical Electrical Contact | | | | | | | | | | ✓ |
| K2 | Magnetic Electrical Contact | | | | | | | | | | ✓ |
| KG | Graphite bonnet seals replacement kit | | | | | | | ✓ | ✓ | ✓ | ✓ |
| KT | PTFE bonnet seals replacement kit | | | | | | | ✓ | ✓ | ✓ | ✓ |
| L | Locking Device | | | | | | | ✓ | | ✓ | ✓ |
| O | Oxygen Service | | | | | | | ✓ | ✓ | ✓ | ✓ |
| P | Padlock | | | | | | | ✓ | | ✓ | ✓ |
| Q | Quick Locking Device | | | | | | | ✓ | ✓ | ✓ | ✓ |
| R | Swivelling Fitting | | | | | | | ✓ | | ✓ | ✓ |
| Y | Bonnet O.S.&Y. | | | | | | | ✓ | | ✓ | ✓ |
| TV | Painting Treatment | | | | | | | ✓ | ✓ | ✓ | ✓ |
| TF | Phosphatization Treatment (¹) | | | | | | | ✓ | ✓ | ✓ | ✓ |
| TZ | Zinc Plating Treatment (¹) | | | | | | | ✓ | ✓ | ✓ | ✓ |
| U45-V | 7/16" UNF L=45 mm screws and nuts kit (2 screws - 2 nuts) for 2 valves manifold | | | | | | | | ✓ | | |
| U75-2V | 7/16" UNF L=75 mm screws and nuts kit (2 screws - 2 nuts) for 2 valves manifold | | | | | | | | ✓ | | |
| U45-3/5V | 7/16" UNF L=45 mm screws and nuts kit (4 screws - 4 nuts) for 3 and 5 valves manifold | | | | | | | | ✓ | | |
| U75-3/5V | 7/16" UNF L=75 mm screws and nuts kit (4 screws - 4 nuts) for 3 and 5 valves manifold | | | | | | | | ✓ | | |
| W | 2" Pipe bracket | | | | | | | | ✓ | | |
| AT | Atex Version | | | | | | | ✓ | ✓ | ✓ | ✓ |
| GR | Gost R Version | | | | | | | ✓ | ✓ | ✓ | ✓ |
| FS | Fire Safe Version | | | | | | | ✓ | ✓ | ✓ | ✓ |
| TA | Fugitive Emission TA-LUFT Version | | | | | | | ✓ | ✓ | ✓ | ✓ |
| CRN | CURRENT CRN COMPLIANCE FOR 10 CANADIAN PROVINCES | | | | | | | ✓ | ✓ | ✓ | ✓ |

(1) For carbon steel versions only.

(2) For flanged, BW, SW versions operating limits as for reference rules.

X = NOT CODED OPTION

For DB, SBB, DBB valves, repeat option code as many times as requested.
If you don't find options you need, please feel free to contact our sales Department
Ex: mod. 739R-DD-S-T-A-A-A = 2 Block + 1 Bleed bonnet Anti-tamper

Options

| -H | -L | -P | | | | | | Availability | | | |
|--------------|---|----|--|--|--|--|--|---------------|-----------|-------------|-------------|
| | | | | | | | | Needle Valves | Manifolds | Monoflanges | Ball Valves |
| IDX | Vent Bottom Right | | | | | | | | ✓ | | |
| ISX | Vent Bottom Left | | | | | | | | ✓ | ✓ | ✓ |
| M | Monel Trim | | | | | | | ✓ | ✓ | ✓ | ✓ |
| SPC 1 | Special Marking - See descriptor | | | | | | | ✓ | ✓ | ✓ | ✓ |
| DIN 7756 | Inlet Special Insert 1/8" NPT-M x DIN 7756 VG 8 | | | | | | | ✓ | ✓ | ✓ | ✓ |
| 2.0515 /DN15 | Special DN15 marking requirement | | | | | | | ✓ | ✓ | ✓ | ✓ |
| 3-G-GR -CUTR | GOST & CU-TR Certificate | | | | | | | ✓ | ✓ | ✓ | ✓ |
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