

SB-DB-SBB-DBB Ball Type - Welding BW&SW

Models **592-593-594-595-596-692-693-694-695-696-792-793-794-795-796-892-893-894-895-896**



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:

- Welding BW or SW
- Threaded to ANSI-ASME B1.20.1, ISO 228 - ISO 7/1

Rating:

- To pipe schedule rating

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 | Dimensions | | Weight |
|---------|----------|------------|----------|--------|
| | | A (mm) | | |
| BW / SW | NPT - F | SB / SBB | DB / DBB | Kg |
| 1/2" | 1/2" std | 228 | 280 | 6.5 |
| 3/4" | 1/2" std | 228 | 280 | 6.5 |
| 1" | 1/2" std | 228 | 280 | 6.5 |

Ordering Information

Models 592-593-594-595-596-**692-693-694-695-696**-792-793-794-795-796-**892-893-894-895-896**

| Ball Type | | |
|-----------|----|--------------------------|
| SB | 59 | Single Block (B) |
| DB | 69 | Double Block (BB) |
| SBB | 79 | Single Block&Bleed (BN) |
| DBB | 89 | Double Block&Bleed (BNB) |

| Connections IN | |
|----------------|---------------|
| D | 1/2" FLANGE |
| E | 3/4" FLANGE |
| F | 1" FLANGE |
| H | 1 1/2" FLANGE |
| J | 2" FLANGE |

| *Vent (only for SBB-DBB) | |
|-----------------------------|------------------|
| B | 1/4" NPT-F |
| D | 1/2" NPT-F (std) |

| Seal Material | |
|---------------|-----------------------|
| PG | Peek / Graphite (std) |
| X | On demand |

| Material in Acc. | |
|------------------|--------|
| K | NORSOK |
| N | NACE |

Options See Table

DBB - 89 2 - 20 - SW80 - F - F - D - C - DL - N - PG - L12 - FS

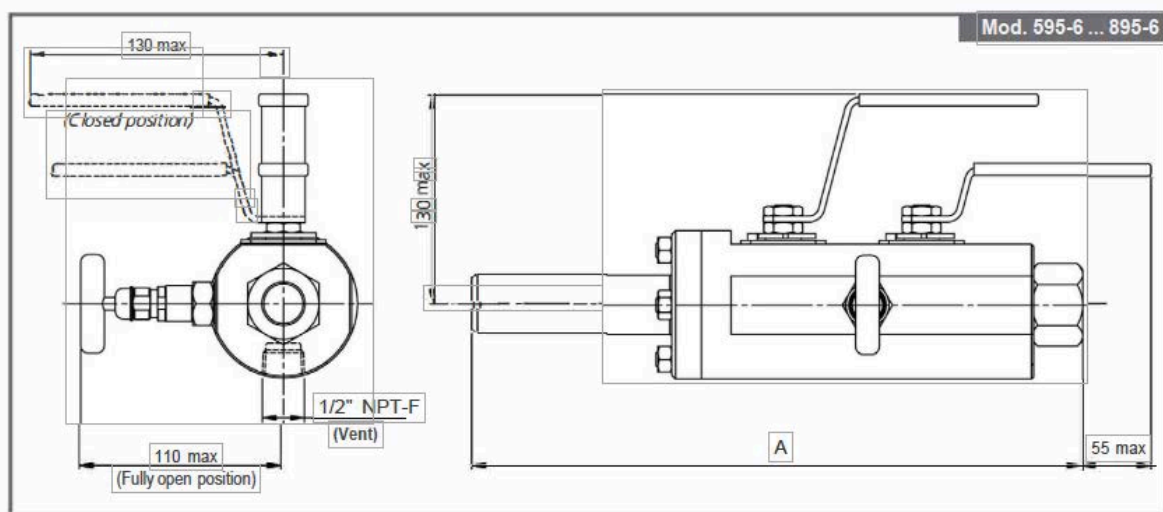
* NPT standard
Add:
R = BSPT thread
G = BSPP thread
Ex: DR = 1/2" BSPT

| Connections | |
|-------------|-----------|
| 2 | SW x SW |
| 3 | BW x BW |
| 4 | PE x FNPT |
| 5 | BW x FNPT |
| 6 | SW x FNPT |

| Bore | |
|-------------|--|
| DN 15 | |
| DN 20 | |
| DN 25 | |
| DN 32 | |
| DN 40 | |
| DN 50 | |
| BW Schedule | |
| BW 40 | |
| BW 80 | |
| BW 160 | |
| BW XXS | |
| SW Schedule | |
| SW 40 | |
| SW 80 | |
| SW 160 | |
| SW XXS | |

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

| Body Materials/Wetted Materials | |
|---------------------------------|------------------|
| C | C.S. A105 |
| CN | A105 NORMALIZED |
| LF2 | A350 LF2 |
| LF6 | A350 LF6 |
| DL304 | A479 304/304L |
| DL | A479 316/316L |
| DLF | A182 F316/316L |
| F51 | A479 F51 |
| F53 | A479 F53 |
| F55 | A479 F55 |
| C276 | B574 HASTELLOY |
| M400 | B164 MONEL |
| I625 | B446 INCONEL 625 |
| I825 | B425 INCONEL 825 |
| 6MO | A479 6MO |
| 904L | A479 904L |
| TN | TITANIUM B348 |



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 | | | | | | | ✓ | ✓ | ✓ | ✓ |
| X | Not Coded Option | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |
| ? | ? | | | | | | | ✓ | ✓ | ✓ | ✓ |

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