# GB1

## 2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.0

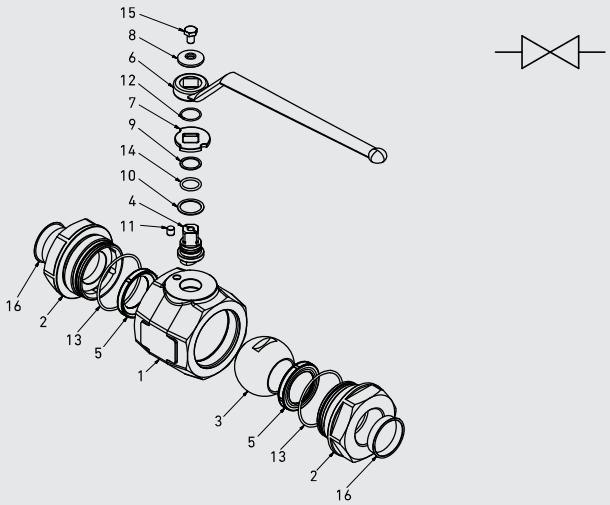
### CS Carbon Steel

- Type: forged ball valve 2 way
- Sizes: from DN32 up to DN50
- Ends: BSP-NPT-SAE
- Pressure: up to PN420
- Temp range: from -30°C to +100°C (body -46°C)

### SS Stainless Steel

- Type: forged ball valve 2 way
- Sizes: from DN32 up to DN50
- Ends: BSP-NPT-SAE
- Pressure: up to PN420
- Temp range: from -30°C to +100°C (body -46°C)

## STANDARD COMPOSITION OF VALVE




| POS | DESCRIPTION | Q.TY | CS Carbon Steel | SS Stainless Steel |
|---|---|---|---|---|
| | | | MATERIAL | |
| 1 | Body | 1 | 1,0570 | 1,4404 |
| 2 | Adapter | 2 | 1,0570 | 1,4404 |
| 3 | Ball | 1 | 1,0737 | 1,4404 |
| 4 | Stem | 1 | 1,0737 | 1,4301 |
| 5 | Ball seat | 2 | POM | POM |
| 6 | Handle | 1 | 1,0116 | 1,4031 |
| 7 | Washer | 1 | 1,0116 | 1,4031 |
| 8 | Washer | 1 | 1,0737 | 1,4031 |
| 9 | Back-up | 1 | PTFE | PTFE |
| 10 | Stem ring | 1 | POM | POM |
| 11 | Pin | 1 | 1,0737 | 1,4404 |
| 12 | Seeger | 1 | 1,4301 | 1,4301 |
| 13 | Adapter o-ring | 4 | NBR | NBR |
| 14 | Stem o-ring | 1 | NBR | NBR |
| 15 | Screw | 1 | ISO4017 8.8 | ISO4017 A2 |
| 16 | Caps | 2 | PVC | PVC |






## CODE DESCRIPTION STRUCTURE

| GB1 | G 1 1/2 | DN32 | L | L | 1 | 1 | A | B |
|---|---|---|---|---|---|---|---|---|

**Type and way of valve**

GB1 2-way

**Ends**

| GAS DIN/ ISO 228 BSP | NPT ANSI /ASME B1.20.1 | SAE J1926-1 |
|---|---|---|
| G 1 1/4 | N 1 1/4 | SAE20 |
| G 1 1/2 | N 1 1/2 | SAE24 |
| G 2 | N 2 | SAE32 |

**Size**

from DN32 to DN50

**Body Material**

- **L** = 1,0570
- **4** = 1,4404

**Adapter material**

- **L** = 1,0570
- **4** = 1,4404

**Stem material**

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

**Ball Material**

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

**Seat material**

**A** = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

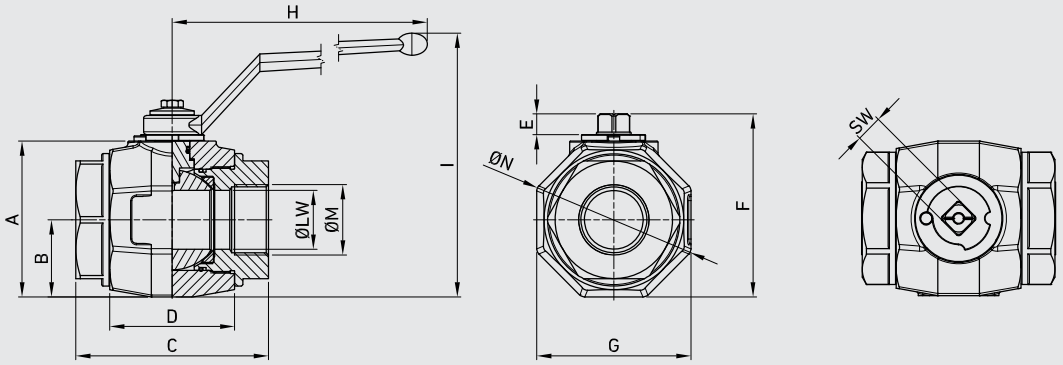
**Seal material**

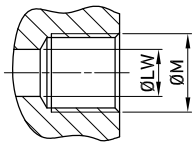
**B** = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request

- Reduced bore
- Special threads
- Pressure class up to PN42 MPa
- Pneumatic and electrical actuator
- Security block
- Locking device

*For further special requests please consult our technical/commercial service.*

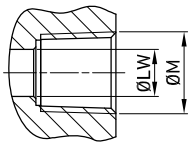



## GB1 DIN/ISO 228 BSP

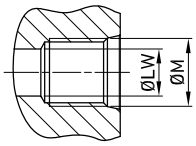
CS Carbon Steel | SS Stainless Steel

| TYPE | DN | PN | | A | B | C | D | E | F | ØN | H | I | ØM | G | SW | ØLW | WEIGHT | ITEM CODE | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GB1 G 1 1/4 | 32 | MPa | 42 | mm | 89 | 42,5 | 115 | 75 | 14 | 107,5 | 92 | 310 | 162,5 | G 1 1/4 | 85 | 17 | 32 | kg 4,489 | GB1GGT6G0L1A000 | GB1GGT6G044A000 |
| | | Psi | 6090 | inch | 3,50 | 1,67 | 4,53 | 2,95 | 0,55 | 4,23 | 3,62 | 12,20 | 6,40 | | 3,35 | 0,67 | 1,26 | lb 9,90 | | |
| GB1 G 1 1/2 | 40 | MPa | 42 | mm | 106 | 52,5 | 131 | 85 | 14 | 124,5 | 113 | 310 | 179,5 | G 1 1/2 | 105 | 17 | 40 | kg 6,750 | GB1GGT7G0L1A000 | GB1GGT7G044A000 |
| | | Psi | 6090 | inch | 4,17 | 2,07 | 5,16 | 3,35 | 0,55 | 4,90 | 4,45 | 12,20 | 7,07 | | 4,13 | 0,67 | 1,57 | lb 14,88 | | |
| GB1 G 2 | 50 | MPa | 42 | mm | 115,5 | 58,5 | 140 | 97,85 | 14 | 134 | 126 | 310 | 189 | G 2 | 117 | 17 | 50 | kg 8,708 | GB1GGT8G0L1A000 | GB1GGT8G044A000 |
| | | Psi | 6090 | inch | 4,55 | 2,30 | 5,51 | 3,85 | 0,55 | 5,28 | 4,96 | 12,20 | 7,44 | | 4,61 | 0,67 | 1,97 | lb 19,20 | | |




## GB1 ANSI/ASME B1.20.1 NPT

| TYPE | DN | PN | | A | B | C | D | E | F | ØN | H | I | ØM | G | SW | ØLW | WEIGHT | CS Carbon Steel | SS Stainless Steel |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GB1 N 1 1/4 | 32 | MPa | 42 | mm | 89 | 42,5 | 115 | 75 | 14 | 107,5 | 92 | 310 | 162,5 | N 1 1/4 | 85 | 17 | 32 | kg 4,489 | GB1NNT6G0L1A000 | GB1NNT6G044A000 |
| | | Psi | 6090 | inch | 3,50 | 1,67 | 4,53 | 2,95 | 0,55 | 4,23 | 3,62 | 12,20 | 6,40 | | 3,35 | 0,67 | 1,26 | lb 9,90 | | |
| GB1 N 1 1/2 | 40 | MPa | 42 | mm | 106 | 52,5 | 131 | 85 | 14 | 124,5 | 113 | 310 | 179,5 | N 1 1/2 | 105 | 17 | 40 | kg 6,774 | GB1NNT7G0L1A000 | GB1NNT7G044A000 |
| | | Psi | 6090 | inch | 4,17 | 2,07 | 5,16 | 3,35 | 0,55 | 4,90 | 4,45 | 12,20 | 7,07 | | 4,13 | 0,67 | 1,57 | lb 14,93 | | |
| GB1 N 2 | 50 | MPa | 42 | mm | 115,5 | 58,5 | 140 | 97,85 | 14 | 134 | 126 | 310 | 189 | N 2 | 117 | 17 | 50 | kg 8,708 | GB1NNT8G0L1A000 | GB1NNT8G044A000 |
| | | Psi | 6090 | inch | 4,55 | 2,30 | 5,51 | 3,85 | 0,55 | 5,28 | 4,96 | 12,20 | 7,44 | | 4,61 | 0,67 | 1,97 | lb 19,20 | | |




## GB1 SAE J1926-1

| TYPE | DN | PN | | A | B | C | D | E | F | ØN | H | I | ØM | G | SW | ØLW | WEIGHT | CS Carbon Steel | SS Stainless Steel |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GB1 SAE20 | 32 | MPa | 42 | mm | 89 | 42,5 | 115 | 75 | 14 | 107,5 | 92 | 310 | 162,5 | 1 5/8 UNF | 85 | 17 | 32 | kg 4,489 | GB1EEE5G0L1A000 | GB1EEE5G044A000 |
| | | Psi | 6090 | inch | 3,50 | 1,67 | 4,53 | 2,95 | 0,55 | 4,23 | 3,62 | 12,20 | 6,40 | | 3,35 | 0,67 | 1,26 | lb 9,90 | | |
| GB1 SAE24 | 40 | MPa | 42 | mm | 106 | 52,5 | 131 | 85 | 14 | 124,5 | 113 | 310 | 179,5 | 1 7/8 UNF | 105 | 17 | 40 | kg 6,822 | GB1EEE6G0L1A000 | GB1EEE6G044A000 |
| | | Psi | 6090 | inch | 4,17 | 2,07 | 5,16 | 3,35 | 0,55 | 4,90 | 4,45 | 12,20 | 7,07 | | 4,13 | 0,67 | 1,57 | lb 15,04 | | |
| GB1 SAE32 | 50 | MPa | 42 | mm | 115,5 | 58,5 | 140 | 97,85 | 14 | 134 | 126 | 310 | 189 | 1 1/2 UNF | 117 | 17 | 50 | kg 8,708 | GB1EEE7G0L1A000 | GB1EEE7G044A000 |
| | | Psi | 6090 | inch | 4,55 | 2,30 | 5,51 | 3,85 | 0,55 | 5,28 | 4,96 | 12,20 | 7,44 | | 4,61 | 0,67 | 1,97 | lb 19,20 | | |