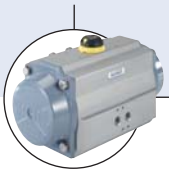
bürkert
FLUID CONTROL SYSTEMS

# 2/2-way-Ball valve
# 3 pieces

- Ball Valve in stainless steel
- Full flow
- Favorable flow conditions
- ISO 5211 head flange

Type 2654 can be combined with...



**Type 2051**
Pneumatic actuator

**Type 2052**
Pneumatic actuator

**Type 3004**
Electric actuator

**Type 3005**
Electric actuator

**Type 3005**
Electric actuator

2/2-way Ball valve in stainless steel for separating medium flow.
The ball valves can be connected via the mechanical interface to ISO 5211 with a pneumatic (e.g. type 2051 or type 2052) or electrical rotary actuator (e.g. types 3003, 3004 or 3005).

– low torques
– long lifespan
– maintenance friendly

| Technical data | |
|---|---|
| **Orifice** | DN10 to 100 |
| **Body material** | Stainless steel 1.4408 |
| **Ball material** | Stainless steel 1.4401 |
| **Selector shaft material** | Stainless steel 1.4401 |
| **Seal material** | PTFE (Ball seal)<br>FKM (stem seal) |
| **Medium temperature** | -10° C to 200° C (see pressure temperature diagram) |
| **Medium pressure** | max. 63 bar (see pressure temperature diagram) |
| **Medium** | Stainless steel body: aggressive fluids, which will not attack the body and seal |
| **Port connections** | G 1/4" to G 4" thread acc. to DIN EN 10226-1<br>(old DIN 2999)<br>weld end |
| **ISO head flange** | EN ISO 5211 |

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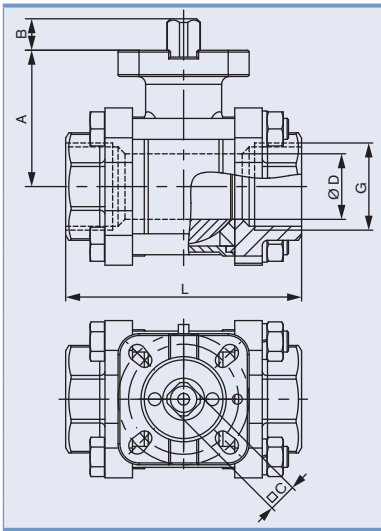
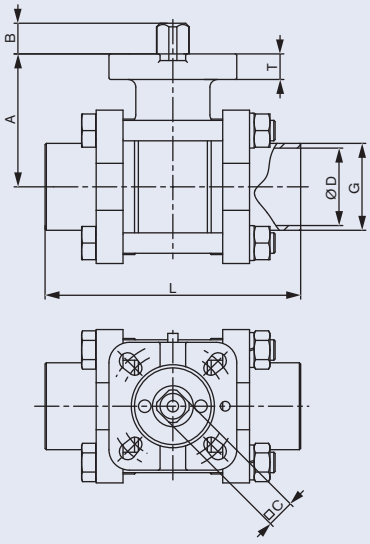
## Ordering chart




| Orifice [mm] | Port connection | D | L | A | B | C | ISO 5211 | Item no. |
|---|---|---|---|---|---|---|---|---|
| 10 | 1/4" | 10 | 65 | 40 | 7 | 9 | F03/F04 | 185 994 |
| 12 | 3/8" | 12 | 65 | 40 | 7 | 9 | F03/F04 | 185 995 |
| 15 | 1/2" | 16 | 75 | 40 | 7 | 9 | F03/F04 | 185 996 |
| 20 | 3/4" | 20 | 80 | 44 | 7 | 9 | F03/F04 | 185 997 |
| 25 | 1" | 25 | 90 | 52 | 12 | 11 | F04/F05 | 185 998 |
| 32 | 1 1/4" | 32 | 110 | 58 | 12 | 11 | F04/F05 | 185 999 |
| 40 | 1 1/2" | 40 | 120 | 68 | 16 | 14 | F05/F07 | 186 000 |
| 50 | 2" | 50 | 140 | 77 | 16 | 14 | F05/F07 | 186 001 |
| 65 | 2 1/2" | 65 | 185 | 98 | 19 | 17 | F07/F10 | 186 002 |
| 80 | 3" | 80 | 205 | 110 | 19 | 17 | F07/F10 | 186 003 |
| 100 | 4" | 100 | 240 | 138 | 24 | 22 | F10 | 217 975 |

### Weld end




| Orifice [mm] | G | D | L | A | B | C | ISO 5211 | Item no. |
|---|---|---|---|---|---|---|---|---|
| 12 | 19.3 | 12 | 75 | 40 | 9 | 9 | F03/F04 | 186 004 |
| 15 | 23.3 | 16 | 75 | 40 | 9 | 9 | F03/F04 | 186 005 |
| 20 | 28.2 | 20 | 90 | 44 | 9 | 9 | F03/F04 | 186 006 |
| 25 | 33.8 | 25 | 100 | 52 | 12 | 11 | F04/F05 | 186 007 |
| 32 | 41.1 | 32 | 110 | 58 | 12 | 11 | F04/F05 | 186 008 |
| 40 | 49.0 | 40 | 125 | 68 | 16 | 14 | F05/F07 | 186 009 |
| 50 | 62.0 | 50 | 150 | 77 | 16 | 14 | F05/F07 | 186 010 |
| 65 | 78.0 | 65 | 190 | 98 | 19 | 17 | F07/F10 | 205 429 |
| 80 | 94.3 | 80 | 220 | 110 | 19 | 17 | F07/F10 | 203 221 |
| 100 | 125.2 | 100 | 270 | 138 | 24 | 22 | F10 | 203 222 |

## Torques

| DN | 8 | 10 | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| breakaway torque [Nm] | 6 | 6 | 10 | 14 | 17 | 24 | 29 | 44 | 78 | 112 | 140 |
| Running torque [Nm] | 4 | 4 | 7 | 9 | 11 | 16 | 19 | 30 | 52 | 89 | 112 |

The values were at max. delta P measured with water at ambient temperature.

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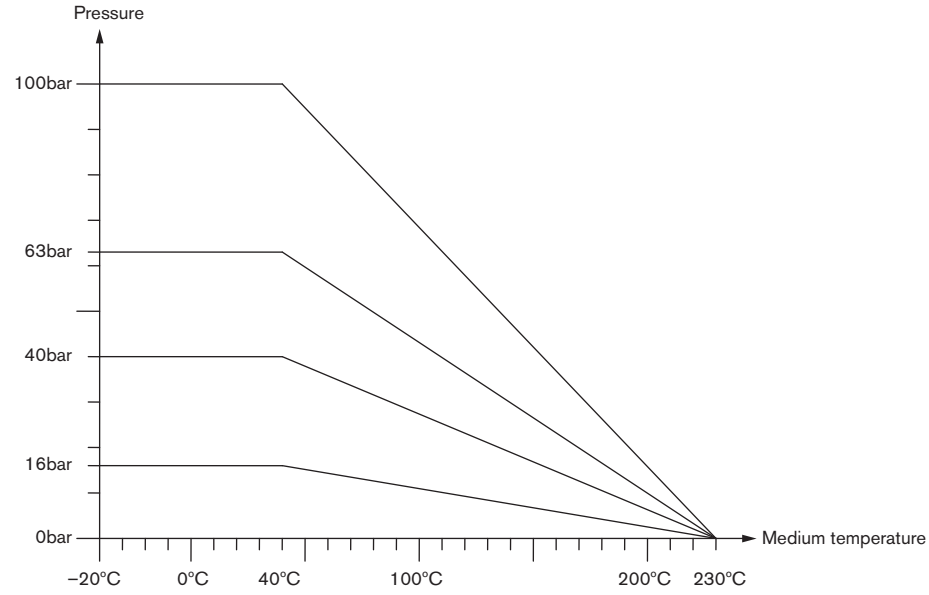
## Pressure Temperature Chart

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