

# Ball valve AT 3520-

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PRESTERA™



## Product information

Ball valve with reduced flow made of stainless steel/CPTFE with internal threads and mounting flange for actuators. Suitable for automation. Three-piece for easy service and maintenance. Suitable for mainly acids and salt solutions, gas, steam, hot and cold water.

|                             |                 |
|-----------------------------|-----------------|
| <b>Dimension range (DN)</b> | 15 - 50         |
| <b>PN</b>                   | 125             |
| <b>Temperature (°C)</b>     | -30 - 220       |
| <b>Main material</b>        | Stainless steel |

### Area of use

Shut-off valve mainly for:

- Alkalies, acids, and salt solutions
- Solvents and alcohols
- LPG, natural gas, and petroleum products
- Hot and cold water as well as compressed air
- Saturated steam (see diagram)

### Tender text

#### PSB.1 Ball valves

Stainless steel ball valve AT 3520... with reduced flow, internal thread, and steel handle. Packing made of carbon-filled PTFE.

### Quality assurance

AFS 2023:5, ATEX 2014/34/EU, PED 2014/68/EU, SIL3, TA-air

#### The product is CE marked

Testing is carried out according to ISO 5208. Leakage class A applies to the valve type. The valve is type-approved according to TA-luft. Material certificate according to EN 10204-3.1 is available. FDA (seats made of PPTFE).

**Product marking:** Manufacturer, DN, PN, material code, CE. In case of occurrence, also flow direction. QR code.

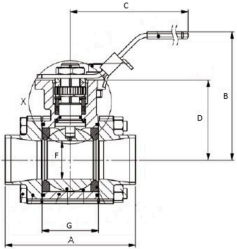
Pos                      Component                      Material



Measurements and weight

Dimension range (DN): 15 - 50

| DN | A   | B     | C   | D    | F  | G    | Net weight (kg) |
|----|-----|-------|-----|------|----|------|-----------------|
| 15 | 75  | 76.6  | 140 | 42.6 | 10 | 24.5 | 0.9             |
| 20 | 73  | 76.6  | 140 | 42.6 | 15 | 24.5 | 0.9             |
| 25 | 86  | 81.7  | 140 | 46.8 | 20 | 31.4 | 1.4             |
| 32 | 106 | 98.3  | 170 | 59.3 | 25 | 41.3 | 2.2             |
| 40 | 111 | 101.6 | 170 | 62.6 | 32 | 48.4 | 3.5             |
| 50 | 130 | 128   | 230 | 79   | 38 | 56.3 | 2.9             |



Function and design

Three-piece ball valve for easy service and maintenance.  
No disassembly or packing replacement required during welding.  
Homogeneous flowing ball for tight shut-off and low pressure drop.  
Self-compensating spindle packing provides tight valve at high operating frequency.  
Blow-out proof antistatic spindle construction prevents spindle from being pushed out during pressure surges.  
Mounting flange according to ISO 5211 for actuator.  
No valve disassembly required for service and installation of actuator.  
Valves larger than DN50 have a round valve body/mounting flange.

Technical data

**Main material:** Stainless steel  
**Main material code:** Acid resistant stainless steel AISI 316 (1.4401), Acid resistant stainless steel AISI 316 (1.4408, CF8M) , Acid resistant stainless steel AISI 316 (1.4409)  
**Included materials:** Stainless steel, Other  
**Included material code:** Acid resistant stainless steel AISI 316 (1.4401), Acid resistant stainless steel AISI 316 (1.4408, CF8M) , Acid resistant stainless steel AISI 316 (1.4409), PTFE (polytetrafluoroethylene), Carbon filled PTFE  
**Temperature (°C):** -30 - 220  
**PN:** 125  
**Connection:** Internal thread ISO 228-1 (G, BSPP)  
**ETIM classification:** EC011343 - Ball valve

**BK04 code:** 20702 Ball valves

| Item number | KVS   | Execution    | Connection 1                        | Connection 1 - spec. | Connection 2                        | Connection 2 - spec. | Connection according to ISO 5211 | Stem measurments |
|-------------|-------|--------------|-------------------------------------|----------------------|-------------------------------------|----------------------|----------------------------------|------------------|
| 3520-15     | 6.9   | Reduced bore | Internal thread ISO 228-1 (G, BSPP) | 1/2                  | Internal thread ISO 228-1 (G, BSPP) | 1/2                  |                                  | 9x9mm            |
| 3520-20     | 12.7  | Reduced bore | Internal thread ISO 228-1 (G, BSPP) | 3/4                  | Internal thread ISO 228-1 (G, BSPP) | 3/4                  | F03/F04                          | 9x9mm            |
| 3520-25     | 29.2  | Reduced bore | Internal thread ISO 228-1 (G, BSPP) | 1                    | Internal thread ISO 228-1 (G, BSPP) | 1                    | F03/F04                          | 9x9mm            |
| 3520-32     | 48.2  | Reduced bore | Internal thread ISO 228-1 (G, BSPP) | 1 1/4                | Internal thread ISO 228-1 (G, BSPP) | 1 1/4                | F04/F05                          | 11x11mm          |
| 3520-40     | 73.1  | Reduced bore | Internal thread ISO 228-1 (G, BSPP) | 1 1/2                | Internal thread ISO 228-1 (G, BSPP) | 1 1/2                | F04/F05                          | 11x11mm          |
| 3520-50     | 107.5 | Reduced bore | Internal thread ISO 228-1 (G, BSPP) | 2                    | Internal thread ISO 228-1 (G, BSPP) | 2                    | F05/F07                          | 14x14mm          |

## Installation and maintenance

**Flowdirection:** Bi-directional

**Possible mounting position:** Vertical, Horizontal

Welded-end valves can be welded without disassembly provided that the ball is in the open position. See separate manual for instructions. The valve should be operated regularly to avoid the accumulation of dirt that can lead to leakage.

The company's management system  
is certified by DNV  
ISO 9001 • ISO 14001

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