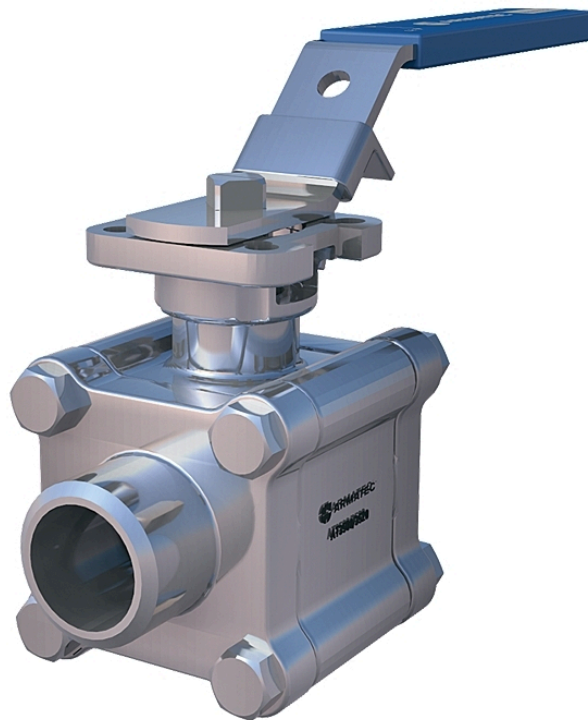


Ball valve AT 3500-

PRESTERA™



Product information

Ball valve with reduced flow of stainless steel/CPTFE with welded ends 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.

| | |
|-----------------------------|-----------------|
| Dimension range (DN) | 15 - 150 |
| PN | 16 - 125 |
| Temperature (°C) | -30 - 220 |
| Main material | Stainless steel |

Area of use

Shut-off valve primarily 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 3500... with reduced flow, welded ends, and stainless steel handle. Packing made of carbon-filled CPTFE.

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 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. If applicable, also flow direction. QR code.

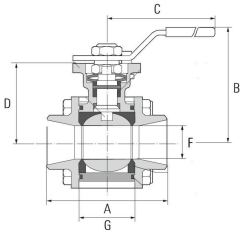
| Pos | Component | Material |
|-----|-----------|----------|
|-----|-----------|----------|



Measurements and weight

Dimension range (DN): 15 - 150

| DN | A | B | C | D | F | G | Net weight (kg) |
|------|-----|-------|-----|-------|----|------|-----------------|
| 15 | 75 | 76.6 | 140 | 42.6 | 10 | 24.5 | 0.8 |
| 20 | 75 | 76.6 | 140 | 42.6 | 15 | 24.5 | 0.8 |
| 25 | 90 | 81.7 | 140 | 46.8 | 20 | 31.4 | 1.3 |
| 32 | 110 | 98.3 | 170 | 59.3 | 25 | 41.3 | 2 |
| 40 | 115 | 101.6 | 170 | 62.6 | 32 | 48.4 | 2.8 |
| 50 | 130 | 128 | 230 | 79 | 38 | 56.3 | 4.4 |
| 65 | 143 | 137 | 230 | 87.7 | 50 | 71.4 | 6.1 |
| 80 | 185 | 167.5 | 380 | 108.7 | 65 | 86.6 | 13 |
| 100 | 205 | 176.5 | 520 | 117.7 | 80 | 99 | 16.3 |
| 125 | | | | | | | 40 |
| 1500 | | | | | | | 59 |



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 closure at high operating frequency.
- Blow-out proof antistatic spindle construction prevents the spindle from being pushed out during pressure surges.
- Mounting flange according to ISO 5211 for actuator operation.
- No valve disassembly required during 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 (1.4408, CF8M)

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: 16 - 125

Connection: ISO 1127, weld end

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 |
|-------------|-------|--------------|--------------------|----------------------|--------------------|----------------------|----------------------------------|------------------|
| 3500-15 | 6.9 | Reduced bore | ISO 1127, weld end | DN15-Dy 21,3mm | ISO 1127, weld end | DN15-Dy 21,3mm | F03/F04 | 9x9mm |
| 3500-20 | 12.7 | Reduced bore | ISO 1127, weld end | DN20-Dy 26,9mm | ISO 1127, weld end | DN20-Dy 26,9mm | F03/F04 | 9x9mm |
| 3500-25 | 29.2 | Reduced bore | ISO 1127, weld end | DN25-Dy 33,7mm | ISO 1127, weld end | DN25-Dy 33,7mm | F03/F04 | 9x9mm |
| 3500-32 | 48.2 | Reduced bore | ISO 1127, weld end | DN32-Dy 42,4mm | ISO 1127, weld end | DN32-Dy 42,4mm | F04/F05 | 11x11mm |
| 3500-40 | 73.1 | Reduced bore | ISO 1127, weld end | DN40-Dy 48,3mm | ISO 1127, weld end | DN40-Dy 48,3mm | F04/F05 | 11x11mm |
| 3500-50 | 107.5 | Reduced bore | ISO 1127, weld end | DN50-Dy 60,3mm | ISO 1127, weld end | DN50-Dy 60,3mm | F05/F07 | 14x14mm |
| 3500-65 | 215 | Reduced bore | ISO 1127, weld end | DN65-Dy 76,1mm | ISO 1127, weld end | DN65-Dy 76,1mm | F05/F07 | |
| 3500-80 | 275.2 | Reduced bore | ISO 1127, weld end | DN80-Dy 88,9mm | ISO 1127, weld end | DN80-Dy 88,9mm | F07/F10 | 17x17mm |
| 3500-100 | 498.8 | Reduced bore | ISO 1127, weld end | DN100-Dy 114,3mm | ISO 1127, weld end | DN100-Dy 114,3mm | F07/F10 | 17x17mm |
| 3500-125 | | | ISO 1127, weld end | DN125-Dy 139,7mm | ISO 1127, weld end | DN125-Dy 139,7mm | | |
| 3500-150 | | | ISO 1127, weld end | DN150-Dy 168,3mm | ISO 1127, weld end | DN150-Dy 168,3mm | | |

Installation and maintenance

Flowdirection: Bi-directional

Possible mounting position: Vertical, Horizontal

Welded-end valves can be welded in place without disassembly provided that the ball is in the open position. See separate 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

Get into the flow

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