Ball valve AT 3520-

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.

Dimension range (DN)	15 - 50
PN	125
Temperature (°C)	-30 - 220
Main material	Stainless steel

Area of use

Shut-off valve mainly for:
- Alkalis, 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

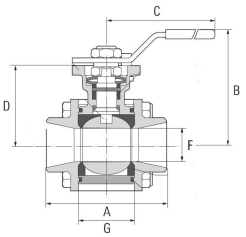
AFS 2023:5, ATEX 2014/34/EU, PED 2014/68/EU, SIL3, TA-air
The product is CE marked
Testing is carried out according to ISO 5208. Leakage class A applies to the valve type. The valve is type-approved according to TA-luft. Material certificate according to EN 10204-3.1 is available. FDA (seats made of 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

Get into the flow

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