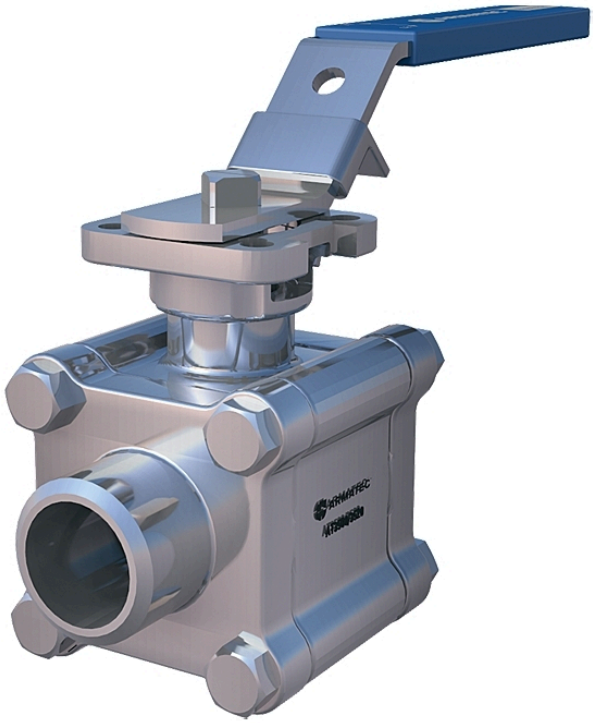
Ball valve AT 3505-

PRESTERA



Product information

Ball valve with full passage made 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)	8 - 150
PN	16 - 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 3505... with full bore, welded ends, and stainless 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 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.

Energy and environment declaration

Subject to notification under REACH: No
Reach date: 12/06/2026

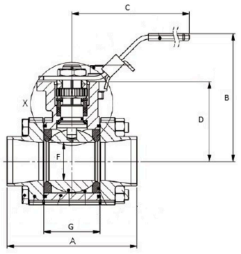
Pos	Component	Material



Measurements and weight

Dimension range (DN): 8 - 150

DN	A	B	C	D	F	G	Net weight (kg)
8	75	76.6	140	42.6	10	24.5	1
10	75	76.6	140	42.6	10	24.5	0.8
15	75	76.6	140	42.6	15	24.5	0.8
20	90	81.7	140	46.8	20	31.4	1.3
25	110	98.3	170	59.3	25	41.3	2
32	115	101.6	170	62.6	32	48.4	2.9
40	130	128	230	79	40	56.3	4.4
50	143	137	230	87.7	50	71.4	4.5
65	185	167.5	380	108.7	65	86.6	11.3
80	205	176.5	520	117.7	80	99	14.8
100	240	192.5	520	133.7	100	127	24.3
125	260			180	125	151.2	40
150	290			198	150	182.6	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 actuators.
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
Comment to colour: Stainless steel

Item number	KVS	Execution	Connection 1	Connection 1 - spec.	Connection 2	Connection 2 - spec.	Connection according to ISO 5211	Stem measurments
3505-8	6.9	Full bore	ISO 1127, weld end	DN8-Dy 13,5mm	ISO 1127, weld end	DN8-Dy 13,5mm	F03/F04	9x9mm
3505-10	6.9	Full bore	ISO 1127, weld end	DN10-Dy 17,2mm	ISO 1127, weld end	DN10-Dy 17,2mm	F03/F04	9x9mm
3505-15	12.7	Full bore	ISO 1127, weld end	DN15-Dy 21,3mm	ISO 1127, weld end	DN15-Dy 21,3mm	F03/F04	9x9mm
3505-20	29.2	Full bore	ISO 1127, weld end	DN20-Dy 26,9mm	ISO 1127, weld end	DN20-Dy 26,9mm	F03/F04	9x9mm
3505-25	48.2	Full bore	ISO 1127, weld end	DN25-Dy 33,7mm	ISO 1127, weld end	DN25-Dy 33,7mm	F04/F05	11x11mm
3505-32	73.1	Full bore	ISO 1127, weld end	DN32-Dy 42,4mm	ISO 1127, weld end	DN32-Dy 42,4mm	F04/F05	11x11mm
3505-40	107.5	Full bore	ISO 1127, weld end	DN40-Dy 48,3mm	ISO 1127, weld end	DN40-Dy 48,3mm	F05/F07	14x14mm
3505-50	215	Full bore	ISO 1127, weld end	DN50-Dy 60,3mm	ISO 1127, weld end	DN50-Dy 60,3mm	F05/F07	14x14mm
3505-65	275.2	Full bore	ISO 1127, weld end	DN65-Dy 76,1mm	ISO 1127, weld end	DN65-Dy 76,1mm	F07/F10	17x17mm
3505-80	498.8	Full bore	ISO 1127, weld end	DN80-Dy 88,9mm	ISO 1127, weld end	DN80-Dy 88,9mm	F07/F10	17x17mm
3505-100	877.2	Full bore	ISO 1127, weld end	DN100-Dy 114,3mm	ISO 1127, weld end	DN100-Dy 114,3mm	F07/F10	17x17mm
3505-125			ISO 1127, weld end	DN125-Dy 139,7mm	ISO 1127, weld end	DN125-Dy 139,7mm	F12/F14	27x27mm
3505-150			ISO 1127, weld end	DN150-Dy 168,3mm	ISO 1127, weld end	DN150-Dy 168,3mm	F12/F14	27x27mm

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 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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