



Product information

Ball valve in flanged design, with the ball's passage restricted by one dimension. Shut-off valve for hot and cold water systems, as well as compressed air and gases. The ball is clamped between two seat rings made of carbon-filled PTFE. All dimensions are equipped with an ISO top.

Dimension range (DN)	10 - 600
PN	25 - 40
Temperature (°C)	-20 - 200
Main material	Steel

## Area of use

Shut-off valve for hot and cold water systems as well as compressed air and gases.

## Tender text

### **PSB.1 Ball valves**

For DN 10-150 with lever; Ball valve AT 3592S, DN ... Steel body with welded ends, high spindle neck for over-insulation.

For DN 100-600 with gear; Ball valve AT 3592V, DN ... Steel body with welded ends, high spindle neck for over-insulation.

## Quality assurance

AFS 2023:5, AFS 2023:5, 8 paragraf

District heating 25 bar:

Valves DN 10 to 40 according to AFS 2016:1 §8. Fluid group 2.

Valves DN 50 to 125 according to AFS 2016:1 category I, CE marked. Fluid group 2.

Valves DN 150 and 200 according to AFS 2016:1, category II, CE marked. Fluid group 2.

Valves DN 250 to 400 according to AFS 2016:1, category III, CE marked. Fluid group 2.

**Product marking:** AT number, DN, PN, manufacturing batch, and year of manufacture. CE.

## Measurements and weight

**Dimension range (DN):** 10 - 600

DN	A	B	C	Net weight (kg)
80	280	215		14
100	300	223		22
125	325	252		25
150	350	290		32
200	400	312		56

## Function and design

Fully welded pipe construction with welded ends, designed for direct welding into pipe systems. The ball passage is restricted by one dimension. The ball is clamped between two PTFE seat rings. The valve is supplied as standard with an ISO top and a high spindle neck for over-insulation. The upper part of the spindle is always visible and inspectable. From DN300, the ball valve is double-seated (trunnion mount).

## Technical data

**Main material:** Steel

**Main material code:** Steel P235GH (1.0345)

**Included materials:** Stainless steel, Steel, Other

**Included material code:** Stainless steel AISI 304 (1.4301), Steel P235GH (1.0345), PTFE (polytetrafluoroethylene)

**Temperature (°C):** -20 - 200

**PN:** 25 - 40

**Connection:** Flanged EN1092

**ETIM classification:** EC011343 - Ball valve

**BK04 code:** 20702 Ball valves

## Installation and maintenance

**Flowdirection:** Bi-directional

**Possible mounting position:** Vertical, Horizontal

The ball valve is essentially maintenance-free. However, regular inspection and operational checks should be carried out every 6 months for safe operation and function.

Please feel free to contact us

We answer your questions by e-mail and telephone. No question is too small, no challenge is too big. You are always welcome at Armatec.

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