

# Ball valve AT 3592A



## 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.

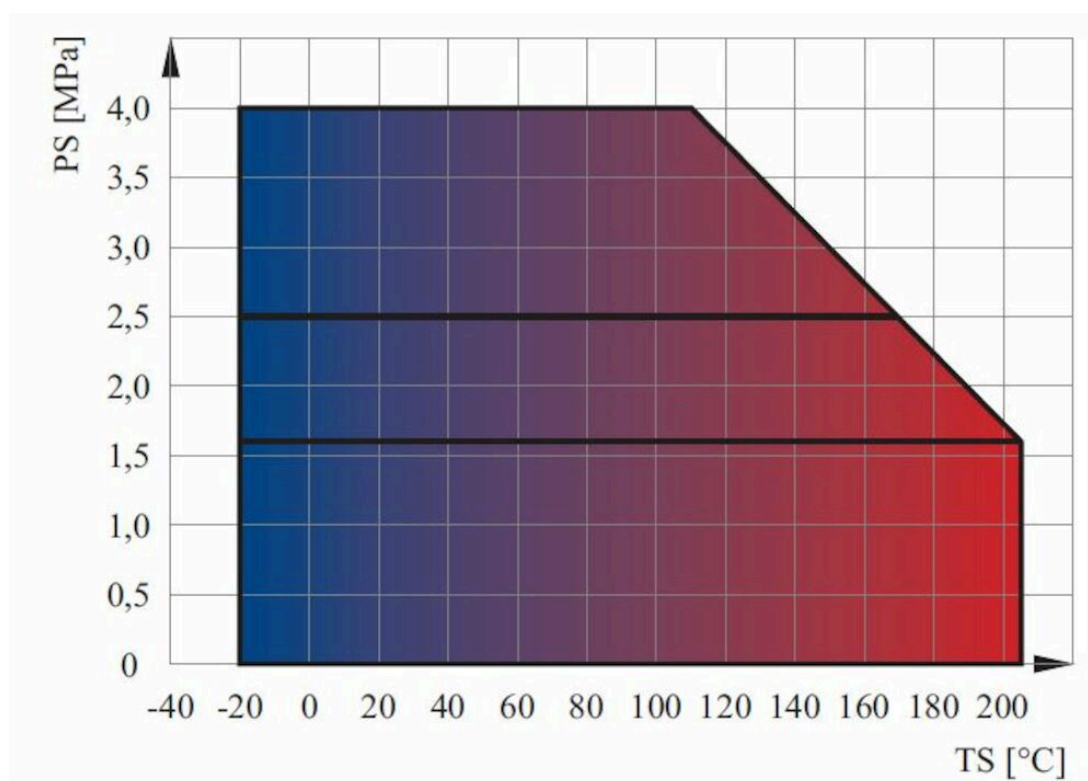
## Measurements and weight

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

### 3592A, Technical data

| Item number  | PN | KVS  | Required torque (Nm) | Stem type       | Stem measurements | Connection according to ISO 5211 | Connection 1 - spec. | Connection 2 - spec. | Leakage rate                   |
|--------------|----|------|----------------------|-----------------|-------------------|----------------------------------|----------------------|----------------------|--------------------------------|
| 3592S-080    | 25 | 282  | 93                   | Diagonal square | 19x19mm           | F10                              | PN25                 | PN25                 | Rate A acc. to EN 12266-1:2012 |
| 3592S-100    | 25 | 452  | 173                  | Diagonal square | 19x19mm           | F10                              | PN25                 | PN25                 | Rate A acc. to EN 12266-1:2012 |
| 3592S-125    | 25 | 696  | 331                  | Diagonal square | 22x22mm           | F10                              | PN25                 | PN25                 | Rate A acc. to EN 12266-1:2012 |
| 3592V-125    | 25 | 696  | 331                  | Diagonal square | 22x22mm           | F10                              | PN25                 | PN25                 | Rate A acc. to EN 12266-1:2012 |
| 3592S-150    | 25 | 1104 | 505                  | Diagonal square | 27x27mm           | F12                              | PN25                 | PN25                 | Rate A acc. to EN 12266-1:2012 |
| 3592V-150    | 25 | 1104 | 505                  | Diagonal square | 27x27mm           | F12                              | PN25                 | PN25                 | Rate A acc. to EN 12266-1:2012 |
| 3592V-200    | 25 | 1521 | 931                  | Diagonal square | 27x27mm           | F12                              | PN25                 | PN25                 | Rate A acc. to EN 12266-1:2012 |
| 3592V200PN16 | 16 | 1521 | 931                  | Diagonal square | 27x27mm           | F12                              | PN16                 | PN16                 | Rate A acc. to EN 12266-1:2012 |

### 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.

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

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