



## ECON® Bellow sealed valve Type: 432 Ductile cast iron Flange PN16

ECON® ductile iron bellow sealed globe valve, SS trim, double bellow, straight pattern, flanged connection, outside screw & yoke, non-rising hand wheel.

### Area of application

General industry, power stations, flue gas purification plant, steam facilities, heating technology, district heating, thermal oil applications, ammonia plants, vacuum facilities.

### Characteristics

**Type:** 432

**Norm:** EN (DIN)

**Construction type:** Straight

**Housing material:** Ductile cast iron

**Surface protection:** Standard manufacturers coating

**Connection:** Flange

**Flange finish:** Raised face

**Stem seal type:** Bellows

**Material disc:** 1.4021+QT

**Spindle material:** 1.4021

**Primary spindle seal material:** Graphite

**Bellows material:** 1.4571

**Material bonnet:** EN-JS1025

### Characteristics (2)

**Bonnet gasket material:** Stainless steel/graphite

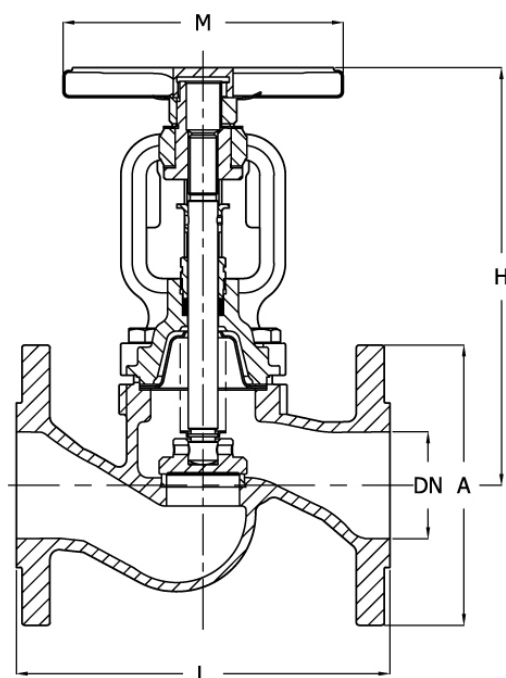
**Actuator material:** Steel

**Minimum medium temperature (continuous):** -10 °C

**Maximum medium temperature (continuous):** 350 °C

**Maximum pressure difference at 20 °C:** 16 bar

**With position indicator:** Yes



Size table:

| DN    | A   | H   | L   | M   | Weight |
|-------|-----|-----|-----|-----|--------|
|       | mm  | mm  | mm  | mm  | kg     |
| DN15  | 95  | 178 | 130 | 125 | 3.2    |
| DN20  | 105 | 178 | 150 | 125 | 3.9    |
| DN25  | 115 | 193 | 160 | 125 | 4.85   |
| DN32  | 140 | 201 | 180 | 125 | 6.5    |
| DN40  | 150 | 224 | 200 | 150 | 9      |
| DN50  | 165 | 228 | 230 | 150 | 11     |
| DN65  | 185 | 270 | 290 | 175 | 15.8   |
| DN80  | 200 | 295 | 310 | 200 | 24.3   |
| DN100 | 220 | 325 | 350 | 250 | 35     |
| DN125 | 250 | 380 | 400 | 300 | 49     |
| DN150 | 285 | 427 | 480 | 400 | 76     |
| DN200 | 340 | 569 | 600 | 500 | 130.5  |

Pressure and temperature range

| Pressure rating | -10/120 | 150  | 200  | 250  | 300  | 350  | [°C]  |
|-----------------|---------|------|------|------|------|------|-------|
| PN16            | 16      | 15.5 | 14.7 | 13.9 | 12.8 | 11.2 | [bar] |

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| Material quality | Nominal inner diameter | Pressure rating | Face to Face norm | Face to Face length<br>mm | Operation                               | Type of disc   | Type of bonnet | Sealing         | Kv value<br>m³/h | Article  |
|------------------|------------------------|-----------------|-------------------|---------------------------|-----------------------------------------|----------------|----------------|-----------------|------------------|----------|
| EN-JS1025        | DN15                   | PN16            | EN 558, Series 1  | 130                       | Hand wheel, non-rising with rising stem | Fixed disc     | Bolted bonnet  | Stainless steel | 5.9              | 13288290 |
| EN-JS1025        | DN20                   | PN16            | EN 558, Series 1  | 150                       | Hand wheel, non-rising with rising stem | Fixed disc     | Bolted bonnet  | Stainless steel | 7.4              | 13288291 |
| EN-JS1025        | DN25                   | PN16            | EN 558, Series 1  | 160                       | Hand wheel, non-rising with rising stem | Fixed disc     | Bolted bonnet  | Stainless steel | 13               | 13288292 |
| EN-JS1025        | DN32                   | PN16            | EN 558, Series 1  | 180                       | Hand wheel, non-rising with rising stem | Fixed disc     | Bolted bonnet  | Stainless steel | 18               | 13288293 |
| EN-JS1025        | DN40                   | PN16            | EN 558, Series 1  | 200                       | Hand wheel, non-rising with rising stem | Fixed disc     | Bolted bonnet  | Stainless steel | 30               | 13288294 |
| EN-JS1025        | DN50                   | PN16            | EN 558, Series 1  | 230                       | Hand wheel, non-rising with rising stem | Fixed disc     | Bolted bonnet  | Stainless steel | 41               | 13288295 |
| EN-JS1025        | DN65                   | PN16            | EN 558, Series 1  | 290                       | Hand wheel, non-rising with rising stem | Fixed disc     | Bolted bonnet  | Stainless steel | 79               | 13288273 |
| EN-JS1025        | DN80                   | PN16            | EN 558, Series 1  | 310                       | Hand wheel, non-rising with rising stem | Fixed disc     | Bolted bonnet  | Stainless steel | 115              | 13288274 |
| EN-JS1025        | DN100                  | PN16            | EN 558, Series 1  | 350                       | Hand wheel, non-rising with rising stem | Fixed disc     | Bolted bonnet  | Stainless steel | 181              | 13288275 |
| EN-JS1025        | DN125                  | PN16            | EN 558, Series 1  | 400                       | Hand wheel, non-rising with rising stem | Fixed disc     | Bolted bonnet  | Stainless steel | 225              | 13288276 |
| EN-JS1025        | DN150                  | PN16            | EN 558, Series 1  | 480                       | Hand wheel, non-rising with rising stem | Fixed disc     | Bolted bonnet  | Stainless steel | 364              | 13193159 |
| EN-JS1025        | DN200                  | PN16            | EN 558, Series 1  | 600                       | Hand wheel, non-rising with rising stem | Balanced valve | Bolted bonnet  | Stainless steel | 725              | 13288277 |

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