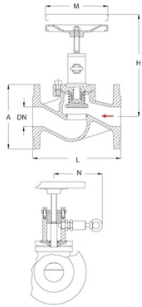


## ECON® SOS Globe valve Type: 100-247 Ductile cast iron Flange PN10/16

Ductile iron quick-closing globe valve, with stainless steel sealing and flange connection, pressure class PN16



### Characteristics

- Type:** 100-247
- Norm:** EN (DIN)
- Construction type:** Straight
- Housing material:** Ductile cast iron
- Surface protection:** Standard manufacturers coating
- Connection:** Flange
- Flange finish:** Raised face
- Spring opening (NO):** No
- Spring closing (NC):** Yes
- Stem seal type:** O-ring
- Material disc:** 1.4021+QT
- Spindle material:** 1.4021
- Primary spindle seal material:** FPM
- Material bonnet:** EN-JS1025
- Bonnet gasket material:** Stainless steel/graphite
- Actuator material:** Cast iron
- Minimum medium temperature (continuous):** -10 °C
- Maximum medium temperature (continuous):** 150 °C

### Technical Information

- Operation by means of mechanical, hydraulic or pneumatic signal.
- After the valve has been activated and closed, it must be manually opened again.
- Testing: EN12266-1.

### Options

- Available including inspection and certification by all leading Classification societies.
- Available in angle pattern version; type 100-248.
- Available in bronze; type 100-1270.
- Available with hydraulic pulse generator; type 106, 107 or 108.
- Available complete with pneumatic control box.

### Application

- Emergency shut down globe valve, for quickly shutting off a pipeline from a safe place.
- On board ships [maritime].
- Fuel systems.
- Neutral liquids, oil.
- For thermal oil we recommend a SOS valve with bellows seal.

| DN  | A    | M    | L    | H    | N                     |                                     | Connection H/<br>P tubing | Weight |
|-----|------|------|------|------|-----------------------|-------------------------------------|---------------------------|--------|
|     |      |      |      |      | Mechanic transmission | Hydraulic or pneumatic transmission |                           |        |
|     | [mm] | [mm] | [mm] | [mm] | [mm]                  | [mm]                                |                           | [kg]   |
| 15  | 95   | 100  | 130  | 188  | 142                   | 165                                 | G 1/8"                    | 5      |
| 20  | 105  | 100  | 150  | 188  | 142                   | 165                                 | G 1/8"                    | 6      |
| 25  | 115  | 100  | 160  | 200  | 142                   | 165                                 | G 1/8"                    | 6.5    |
| 32  | 140  | 100  | 180  | 200  | 142                   | 165                                 | G 1/8"                    | 9.5    |
| 40  | 150  | 160  | 200  | 232  | 147                   | 170                                 | G 1/8"                    | 12.5   |
| 50  | 165  | 160  | 230  | 234  | 147                   | 170                                 | G 1/8"                    | 17     |
| 65  | 185  | 160  | 290  | 277  | 157                   | 180                                 | G 1/8"                    | 28     |
| 80  | 200  | 160  | 310  | 293  | 157                   | 180                                 | G 1/8"                    | 31     |
| 100 | 220  | 200  | 350  | 350  | 162                   | 185                                 | G 1/8"                    | 45     |

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| DN  | A   | M   | L   | H   | N                     | N                                   | Weight                 |
|-----|-----|-----|-----|-----|-----------------------|-------------------------------------|------------------------|
|     |     |     |     |     | Mechanic transmission | Hydraulic or pneumatic transmission | Connection H/ P tubing |
| 125 | 250 | 200 | 400 | 383 | 162                   | 185                                 | G 1/8"                 |
| 150 | 285 | 250 | 480 | 475 |                       | 190                                 | G 1/8"                 |
| 200 | 340 | 250 | 600 | 552 |                       | 190                                 | G 1/8"                 |

| Size            | Maximum working pressure at 150 °C |
|-----------------|------------------------------------|
| DN15 up to DN65 | 4 bar                              |
| DN80 and larger | 2 bar                              |

| 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         | Max. operating pressure<br>bar | Article          |
|------------------|------------------------|-----------------|-------------------|---------------------------|---------------------|--------------|----------------|-----------------|--------------------------------|------------------|
| EN-JS1025        | DN15                   | PN16            | EN 558, Series 1  | 130                       | Pneumatic/hydraulic | Fixed disc   | Bolted bonnet  | Stainless steel | 4                              | EC001000015-HAJ2 |
| EN-JS1025        | DN25                   | PN16            | EN 558, Series 1  | 160                       | Pneumatic/hydraulic | Fixed disc   | Bolted bonnet  | Stainless steel | 4                              | EC001000025-HAJ2 |
| EN-JS1025        | DN32                   | PN16            | EN 558, Series 1  | 180                       | Pneumatic/hydraulic | Fixed disc   | Bolted bonnet  | Stainless steel | 4                              | EC001000032-HAJ2 |
| EN-JS1025        | DN40                   | PN16            | EN 558, Series 1  | 200                       | Pneumatic/hydraulic | Fixed disc   | Bolted bonnet  | Stainless steel | 4                              | EC001000040-HAJ2 |
| EN-JS1025        | DN40                   | PN16            | EN 558, Series 1  | 200                       | Pull mechanism      | Fixed disc   | Bolted bonnet  | Stainless steel | 4                              | EC001000040-HA12 |
| EN-JS1025        | DN50                   | PN16            | EN 558, Series 1  | 230                       | Pneumatic/hydraulic | Fixed disc   | Bolted bonnet  | Stainless steel | 4                              | EC001000050-HAJ2 |
| EN-JS1025        | DN65                   | PN16            | EN 558, Series 1  | 290                       | Pneumatic/hydraulic | Fixed disc   | Bolted bonnet  | Stainless steel | 4                              | EC001000065-HAJ2 |
| EN-JS1025        | DN80                   | PN16            | EN 558, Series 1  | 310                       | Pneumatic/hydraulic | Fixed disc   | Bolted bonnet  | Stainless steel | 2                              | EC001000080-HAJ2 |
| EN-JS1025        | DN80                   | PN16            | EN 558, Series 1  | 310                       | Pull mechanism      | Fixed disc   | Bolted bonnet  | Stainless steel | 2                              | EC001000080-HA12 |
| EN-JS1025        | DN100                  | PN16            | EN 558, Series 1  | 350                       | Pneumatic/hydraulic | Fixed disc   | Bolted bonnet  | Stainless steel | 2                              | EC001000100-HAJ2 |
| EN-JS1025        | DN125                  | PN16            | EN 558, Series 1  | 400                       | Pneumatic/hydraulic | Fixed disc   | Bolted bonnet  | Stainless steel | 2                              | EC001000125-HAJ2 |

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