



## ECON® Ball valve Type: 7249ES Steel Fire safe Pneumatic operated Single acting, spring closing Flange PN16/40



### Characteristics

**Type:** 7249ES

**Norm:** EN (DIN)

**Construction type:** 2-way

**Housing construction:** 2-part

**Housing material:** Steel

**Material quality:** 1.0619

**Surface protection:** Acrylic polyurethane

**Connection:** Flange

**Flange finish:** Raised face

**Actuator:** Pneumatic operated

**Operating principle:** Single acting, spring closing

**Top flange standard:** ISO 5211 Direct Mount

**Secondary spindle seal material:** FPM (FKM)

**Tertiary spindle seal material:** Graphite

**Body seal:** SWG 316L/PTFE/Graphite

**Actuator material:** Aluminium

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

**Maximum medium temperature (continuous):** 200 °C

**Fire safe:** Yes

### Application

- Industrial applications up to 16 or 40bar.
- Liquid and gaseous media.

### Technical Information

- Flanged connection in accordance with EN 1092-1.
- Pressure rating PN16 or PN40.
- Drive with multi-functional position display suitable for mechanical limit switches or double proximity sensors.
- Air supply and upper flanged connection of drive in accordance with NAMUR VDI/VDE 3845.

### Construction

- Two-piece housing construction.
- Design of ball valve in accordance with EN 12516-1.
- Full bore.
- Ball valve equipped with anti-static design between ball and housing.
- Face-to-face dimension according to EN 558, series 27.

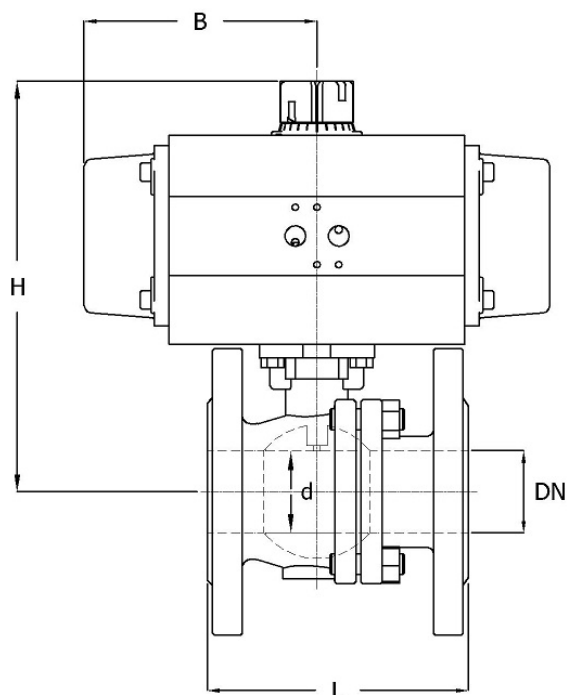
### Approval

- Fugitive emission certified in accordance with TA-Luft VDI 2440 / VDI 3479.
- Fugitive emission certified in accordance with ISO 15848-1 BH-CO1 and CH-CO3.
- Fire-safe approval in accordance with ISO 10497 and API 607, sixth edition.
- Safety class of ball valve in accordance with IEC 61508 SIL 2.
- Safety class of drive in accordance with IEC 61508 SIL 2 (SIL 3 for redundant configuration).
- Declaration of conformity according to EC1935/2004.

### Options

- With double-acting pneumatic drive [Fig. 7249ED].
- Position feedback.
- Stainless-steel extended spindle for insulation [Fig. 8007].

Size table:



| DN    | Pressure class | d    | L   | H     | B     | Weight |
|-------|----------------|------|-----|-------|-------|--------|
|       |                | mm   | mm  | mm    | mm    | kg     |
| DN15  | PN40           | 15   | 115 | 144   | 81.5  | 3.9    |
| DN20  | PN40           | 20   | 120 | 149   | 81.5  | 4.7    |
| DN25  | PN40           | 25   | 125 | 173.5 | 97.5  | 6.5    |
| DN32  | PN40           | 32   | 130 | 208   | 108.5 | 9.1    |
| DN40  | PN40           | 38   | 140 | 213   | 108.5 | 10.5   |
| DN50  | PN40           | 50   | 150 | 232   | 129   | 14.3   |
| DN65  | PN16           | 63.5 | 170 | 266.5 | 149.5 | 21.1   |
| DN65  | PN40           | 63.5 | 170 | 266.5 | 149.5 | 21.1   |
| DN80  | PN16           | 76   | 180 | 293.5 | 174.5 | 28.5   |
| DN80  | PN40           | 76   | 180 | 293.5 | 174.5 | 28.6   |
| DN100 | PN16           | 100  | 190 | 339   | 198.5 | 40.6   |
| DN100 | PN40           | 100  | 190 | 339   | 198.5 | 45.9   |
| DN125 | PN16           | 125  | 325 | 432   | 280   | 94.3   |
| DN125 | PN40           | 125  | 325 | 432   | 280   | 96.8   |
| DN150 | PN16           | 150  | 350 | 482   | 300.5 | 117.8  |
| DN150 | PN40           | 150  | 350 | 482   | 300.5 | 119.8  |
| DN200 | PN16           | 200  | 400 | 532.5 | 300.5 | 173    |

| Nominal inner diameter | Pressure rating | Face to Face norm | Type coding actuator | Brand actuator | Bore      | Material ball | Seat material | Spindle material | Primary spindle seal material | Article  |
|------------------------|-----------------|-------------------|----------------------|----------------|-----------|---------------|---------------|------------------|-------------------------------|----------|
| DN15                   | PN40            | EN 558, Series 27 | SR20                 | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533541 |
| DN20                   | PN40            | EN 558, Series 27 | SR20                 | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533542 |
| DN25                   | PN40            | EN 558, Series 27 | SR40                 | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533543 |
| DN32                   | PN40            | EN 558, Series 27 | SR80                 | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533544 |
| DN40                   | PN40            | EN 558, Series 27 | SR80                 | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533545 |
| DN50                   | PN40            | EN 558, Series 27 | SR130                | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533546 |
| DN65                   | PN16            | EN 558, Series 27 | SR200                | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533547 |
| DN65                   | PN40            | EN 558, Series 27 | SR200                | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533548 |
| DN80                   | PN16            | EN 558, Series 27 | SR300                | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533549 |
| DN80                   | PN40            | EN 558, Series 27 | SR300                | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533550 |
| DN100                  | PN16            | EN 558, Series 27 | SR500                | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533551 |
| DN100                  | PN40            | EN 558, Series 27 | SR500                | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533552 |
| DN125                  | PN16            | EN 558, Series 27 | SR1200               | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533553 |
| DN125                  | PN40            | EN 558, Series 27 | SR1200               | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533554 |
| DN150                  | PN16            | EN 558, Series 27 | SR1750               | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533555 |

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

## Ball Valves | Automated ball valves with flange connection

| Nominal inner diameter | Pressure rating | Face to Face norm | Type coding actuator | Brand actuator | Bore      | Material ball | Seat material | Spindle material | Primary spindle seal material | Article  |
|------------------------|-----------------|-------------------|----------------------|----------------|-----------|---------------|---------------|------------------|-------------------------------|----------|
| DN150                  | PN40            | EN 558, Series 27 | SR1750               | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533556 |
| DN200                  | PN16            | EN 558, Series 27 | SR1750               | ECON           | Full bore | 1.4308        | TFM 1600      | 1.4301           | PTFE                          | 12533557 |

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.