



ECON® Ball valve Type: 7249EE Steel Fire safe Electric operated Flange PN16/40



Characteristics

Type: 7249EE

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: Electric operated

Top flange standard: ISO 5211 Direct Mount

Primary spindle seal material: PTFE

Secondary spindle seal material: FPM (FKM)

Tertiary spindle seal material: Graphite

Body seal: SWG 316L/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 EN1092-1.
- Pressure rating PN16 or PN40.
- Connection voltages: 24V DC or 230V AC.
- IP67 protection class.
- Drive with anti-condensation.
- Thermal protection of the electric motor.

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

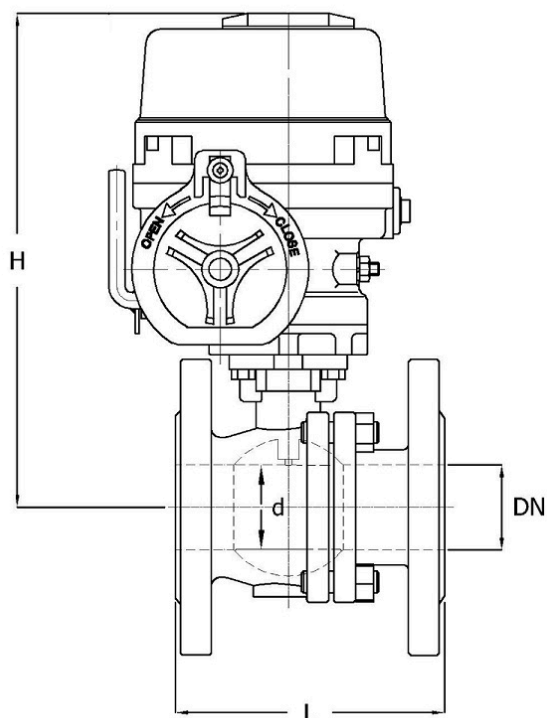
- Fugitive emission certified in accordance with TA-Luft VDI 2440 / VDI 3479.
- Fugitive emission certified in accordance with ISO 15848-1 BH-CO1 and CH-CO3.
- Fire-safe approval in accordance with ISO 10497 and API 607, sixth edition.
- Safety class of ball valve in accordance with IEC 61508 SIL 2.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

Options

- Protection class IP68 (10m/72h).
- Proportional control unit for modulating purposes (input/output 0~10V DC 2~10V DC/4~20mA).
- Explosion-proof housing according to: II 2G Ex dB IIB T4 Gb, II 2D Ex tb IIIC T1 35°C Db.
- Fail-safe version with battery pack (ELA60 to ELA600).
- Connection voltages: 24V AC/DC, 115V AC, 230V AC, 380V AC, 440V AC or 460V AC.
- Stainless-steel extended spindle for insulation (Fig. 8007).

Size table:

DN	Pressure class	d	L	H	Weight
		mm	mm	mm	kg
DN15	PN40	15	115	180	5.4
DN20	PN40	20	120	185	6.2
DN25	PN40	25	125	190.5	7.2
DN32	PN40	32	130	203	8.5
DN40	PN40	38	140	208	9.9
DN50	PN40	50	150	217	12.5
DN65	PN16	63.5	170	339.5	21.3
DN65	PN40	63.5	170	339.5	21.3
DN80	PN16	76	180	382.5	34.2
DN80	PN40	76	180	382.5	34.3
DN100	PN16	100	190	411	41.7
DN100	PN40	100	190	411	47
DN125	PN16	125	325	487	83
DN125	PN40	125	325	487	85.5
DN150	PN16	150	350	506	94.8
DN150	PN40	150	350	506	96.8
DN200	PN16	200	400	556.5	150



Nominal inner diameter	Pressure rating	Face to Face norm	Type coding actuator	Brand actuator	Supply voltage	Bore	Material ball	Seat material	Spindle material	Article
DN15	PN40	EN 558, Series 27	ELA60	ECON	24V DC	Full bore	1.4308	TFM 1600	1.4301	12576551
DN15	PN40	EN 558, Series 27	ELA60	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576522
DN20	PN40	EN 558, Series 27	ELA60	ECON	24V DC	Full bore	1.4308	TFM 1600	1.4301	12576552
DN20	PN40	EN 558, Series 27	ELA60	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576523
DN25	PN40	EN 558, Series 27	ELA60	ECON	24V DC	Full bore	1.4308	TFM 1600	1.4301	12576553
DN25	PN40	EN 558, Series 27	ELA60	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576524
DN32	PN40	EN 558, Series 27	ELA60	ECON	24V DC	Full bore	1.4308	TFM 1600	1.4301	12576554
DN32	PN40	EN 558, Series 27	ELA60	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576525
DN40	PN40	EN 558, Series 27	ELA60	ECON	24V DC	Full bore	1.4308	TFM 1600	1.4301	12576555
DN40	PN40	EN 558, Series 27	ELA60	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576526
DN50	PN40	EN 558, Series 27	ELA60	ECON	24V DC	Full bore	1.4308	TFM 1600	1.4301	12576557
DN50	PN40	EN 558, Series 27	ELA60	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576527
DN65	PN16	EN 558, Series 27	ELA100	ECON	24V DC	Full bore	1.4308	TFM 1600	1.4301	12576558
DN65	PN16	EN 558, Series 27	ELA100	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576528
DN65	PN40	EN 558, Series 27	ELA100	ECON	24V DC	Full bore	1.4308	TFM 1600	1.4301	12576559

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Ball Valves | Automated ball valves with flange connection

Nominal inner diameter	Pressure rating	Face to Face norm	Type coding actuator	Brand actuator	Supply voltage	Bore	Material ball	Seat material	Spindle material	Article
DN65	PN40	EN 558, Series 27	ELA100	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576529
DN80	PN16	EN 558, Series 27	ELA150	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576530
DN80	PN16	EN 558, Series 27	ELA150	ECON	24V DC	Full bore	1.4308	TFM 1600	1.4301	12576560
DN80	PN40	EN 558, Series 27	ELA150	ECON	24V DC	Full bore	1.4308	TFM 1600	1.4301	12576561
DN80	PN40	EN 558, Series 27	ELA150	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576531
DN100	PN16	EN 558, Series 27	ELA200	ECON	24V DC	Full bore	1.4308	TFM 1600	1.4301	12576562
DN100	PN16	EN 558, Series 27	ELA200	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576532
DN100	PN40	EN 558, Series 27	ELA200	ECON	24V DC	Full bore	1.4308	TFM 1600	1.4301	12576563
DN100	PN40	EN 558, Series 27	ELA200	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576533
DN125	PN16	EN 558, Series 27	ELA500	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576534
DN125	PN40	EN 558, Series 27	ELA500	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576535
DN150	PN16	EN 558, Series 27	ELA500	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576536
DN150	PN40	EN 558, Series 27	ELA500	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576537
DN200	PN16	EN 558, Series 27	ELA600	ECON	230V AC	Full bore	1.4308	TFM 1600	1.4301	12576538

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