

ECON® Ball valve Type: 7248 Steel Fire safe Flange PN16/40



Characteristics

Type: 7248
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
Top flange standard: ISO 5211 Direct Mount
Seat material: TFM 1600
Spindle material: 1.4301
Primary spindle seal material: PTFE
Secondary spindle seal material: FPM (FKM)
Tertiary spindle seal material: Graphite
Body seal: SWG 316L/PTFE/Graphite
Fire safe: Yes

Application

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

Technical Information

- Flanged connection in accordance with EN1092-1.
- Floating ball.
- Pressure rating PN16 or PN40.
- With direct-mount top flange in accordance with ISO 5211.
- Media temperature: -10/+200°C.
- Acrylic polyurethane coating in RAL5015.
- DN15 to DN80 with lever and locking device.
- DN100 with T-bar.

Construction

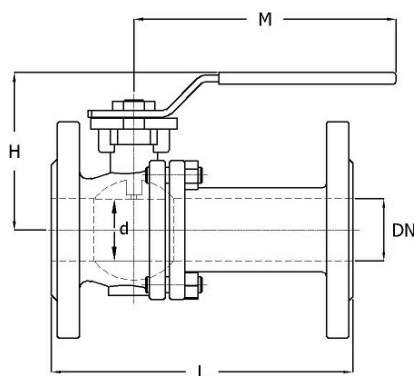
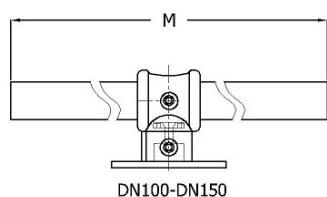
- Two-piece housing construction.
- Design according to EN 12516-1.
- Full bore.
- Equipped with anti-static design between ball and housing.
- Face-to-face dimension according to EN 558, series 1 [DIN3202-F1].

Approval

- Fire-safe approval in accordance with ISO 10497 and API 607, sixth edition.
- Safety integrity level IEC 61508 SIL 2.
- 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.

Options

- Equipped with worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manually actuated or automated valves.
- Available with seats in TF4215.
- Stainless steel extended spindle type 8007 for insulation.



Size table:

DN	d mm	L mm	H mm	M mm
DN15	15	130	79	145
DN20	20	150	84	145
DN25	25	160	91	175
DN32	32	180	103	175
DN40	38	200	111	194
DN50	50	230	120	194
DN65	63.5	290	150	265
DN80	76	310	160	265
DN100	100	350	182	400

Pressure and temperature range							
DN	Pressure rating	-10	50	100	150	200	[°C]
DN15-DN50	PN40	40	40	38	34	19	[bar]
DN65-DN100	PN16	16	16	15	13	11	[bar]

Nominal inner diameter	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Mounting flange 2	Bore	With locking device	Material ball	Actuator material	Article
DN15	PN40	EN 558, Series 1	Handle	F03	F04	Full bore	Yes	1.4308	1.4301	13658044
DN20	PN40	EN 558, Series 1	Handle	F03	F04	Full bore	Yes	1.4308	1.4301	13658045
DN25	PN40	EN 558, Series 1	Handle	F04	F05	Full bore	Yes	1.4308	1.4301	14029632
DN32	PN40	EN 558, Series 1	Handle	F04	F05	Full bore	Yes	1.4308	1.4301	13641982
DN40	PN40	EN 558, Series 1	Handle	F05	F07	Full bore	Yes	1.4308	1.4301	13658046
DN50	PN40	EN 558, Series 1	Handle	F05	F07	Full bore	Yes	1.4308	1.4301	13658047
DN65	PN16	EN 558, Series 1	Handle	F07	F10	Full bore	Yes	1.4308	1.4301	13641971
DN80	PN16	EN 558, Series 1	Handle	F07	F10	Full bore	Yes	1.4308	1.4301	14029644
DN100	PN16	EN 558, Series 1	T-wrench	F10		Full bore	No	1.4308	Steel, galvanized	14029647

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