



## ECON® Ball valve Type: 7289 Stainless steel Fire safe Flange PN16/40



### Characteristics

**Type:** 7289  
**Norm:** EN (DIN)  
**Construction type:** 2-way  
**Housing construction:** 2-part  
**Housing material:** Stainless steel  
**Material quality:** 1.4408  
**Connection:** Flange  
**Flange finish:** Raised face  
**Top flange standard:** ISO 5211 Direct Mount  
**Bore:** Full bore  
**Material ball:** 1.4408  
**Seat material:** TFM 1600  
**Spindle material:** 1.4401  
**Primary spindle seal material:** PTFE  
**Tertiary spindle seal material:** Graphite  
**Body seal:** SWG 316L/PTFE/Graphite  
**Minimum medium temperature (continuous):** -29 °C  
**Maximum medium temperature (continuous):** 200 °C  
**Fire safe:** Yes

### Application

- Industrial applications up to 16 or 40 bar.
- Liquid and gaseous media.
- Recommended in: Food & Beverages

### 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.
- All components intended to come into contact with food comply with EC 1935.
- Media temperature: -29/+200°C.
- DN15 to DN80 with lever and locking device.
- DN100 to DN150 with T-bar.
- DN200 as standard with bare stem.

### 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 27.

### Approval

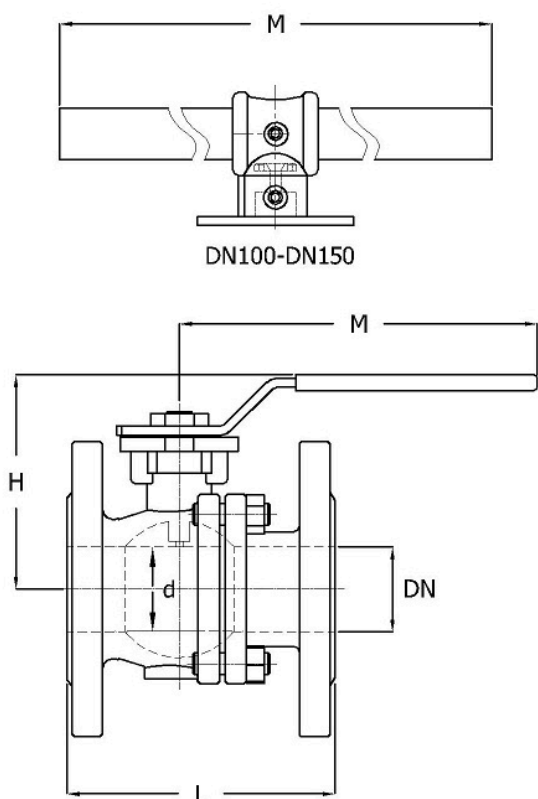
- Fugitive emission certified in accordance with TA-Luft VDI 2440 / VDI 3479.
- Fugitive emission certified in accordance with ISO 15848-1 BH-CO1 and CH-CO3.
- Fire-safe approval in accordance with ISO 10497 and API 607, sixth edition.
- Safety integrity level IEC 61508 SIL 2.
- Declaration of conformity according to EC 1935/2004.

### 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	Pressure class	d	L	H	M	Weight
		mm	mm	mm	mm	kg
DN15	PN40	15	115	79	145	2.4
DN20	PN40	20	120	84	145	3.2
DN25	PN40	25	125	91	175	4.5
DN32	PN40	32	130	103	175	5.5
DN40	PN40	38	140	111	194	6.9
DN50	PN40	50	150	120	194	9.5
DN65	PN16	63.5	170	150	265	13.8
DN65	PN40	63.5	170	150	265	13.8
DN80	PN16	76	180	160	265	17.7
DN80	PN40	76	180	160	265	17.8
DN100	PN16	100	190	182	400	25.2
DN100	PN40	100	190	182	400	30.5
DN125	PN16	125	325	260	600	60
DN125	PN40	125	325	260	600	62.5
DN150	PN16	150	350	280	800	71.8
DN150	PN40	150	350	280	800	73.8
DN200	PN16	200	400	280		127
DN200	PN40	200	400	280		152



Pressure and temperature range

DN	Pressure rating	-29	50	100	150	200	[°C]
DN15-DN200	PN16	16	15	13	13	11	[bar]
DN15-DN50	PN40	39	37	33	30	19	[bar]
DN65-DN100	PN40	39	37	33	28	16	[bar]
DN125-DN200	PN40	30	28	25	19	12	[bar]

Nominal inner diameter	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Mounting flange 2	With locking device	Secondary spindle seal material	Actuator material	Maximum operating pressure bar	Article
DN15	PN40	EN 558, Series 27	Handle	F03	F04	Yes	FPM (FKM)	1.4301	40	13290332
DN20	PN40	EN 558, Series 27	Handle	F03	F04	Yes	FPM (FKM)	1.4301	40	13290353
DN25	PN40	EN 558, Series 27	Handle	F04	F05	Yes	FPM (FKM)	1.4301	40	13290354
DN32	PN40	EN 558, Series 27	Handle	F04	F05	Yes	FPM (FKM)	1.4301	40	13290355
DN40	PN40	EN 558, Series 27	Handle	F05	F07	Yes	FPM (FKM)	1.4301	40	13290356
DN50	PN40	EN 558, Series 27	Handle	F05	F07	Yes	FPM (FKM)	1.4301	40	13290357
DN65	PN16	EN 558, Series 27	Handle	F07	F10	Yes	FPM (FKM)	1.4301	16	13290364
DN65	PN40	EN 558, Series 27	Handle	F07	F10	Yes	FPM (FKM)	1.4301	40	13290358

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## Ball Valves | Ball valves with flange connection

Nominal inner diameter	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Mounting flange 2	With locking device	Secondary spindle seal material	Actuator material	Maximum operating pressure bar	Article
DN80	PN16	EN 558, Series 27	Handle	F07	F10	Yes	FPM (FKM)	1.4301	16	13290365
DN80	PN40	EN 558, Series 27	Handle	F07	F10	Yes	FPM (FKM)	1.4301	40	13290359
DN100	PN16	EN 558, Series 27	T-wrench	F10		No	FPM (FKM)	Steel, galvanized	16	13290366
DN100	PN40	EN 558, Series 27	T-wrench	F10		No	FPM (FKM)	Steel, galvanized	40	13290360
DN125	PN16	EN 558, Series 27	T-wrench	F12		No	FPM (FKM)	Steel, galvanized	16	13290367
DN125	PN40	EN 558, Series 27	T-wrench	F12		No	FPM (FKM)	Steel, galvanized	40	13290361
DN150	PN16	EN 558, Series 27	T-wrench	F12		No	FPM (FKM)	Steel, galvanized	16	13290368
DN150	PN40	EN 558, Series 27	T-wrench	F12		No	FPM (FKM)	Steel, galvanized	40	13290362
DN200	PN16	EN 558, Series 27	Bare stem	F14		No	EPDM		16	14463308
DN200	PN16	EN 558, Series 27	Bare stem	F14		No	FPM (FKM)		16	14463307
DN200	PN16	EN 558, Series 27	Bare stem	F12	F14	No	FPM (FKM)		16	13290369
DN200	PN40	EN 558, Series 27	Bare stem	F12	F14	No	FPM (FKM)		40	13290363
DN200	PN40	EN 558, Series 27	Bare stem	F14		No	FPM (FKM)		40	14463309

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