



ECON® 3-Way ball valve Type: 7291 Stainless steel Flange PN16/40



Characteristics

Type: 7291
Norm: EN (DIN)
Construction type: 3-way
Housing material: Stainless steel
Material quality: 1.4408
Connection: Flange
Top flange standard: ISO 5211 Direct Mount
Angular rotation: 90 °
Seat material: TFM 1600
Spindle material: 1.4401
Primary spindle seal material: PTFE
Secondary spindle seal material: FPM (FKM)
Tertiary spindle seal material: PTFE

Application

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

Technical Information

- Flanged connection in accordance with EN 1092-1.
- Supported ball with L or T bore
- 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 DN50 with lever and locking device.
- DN65 to DN100 with T-bar.
- The 3-way ball valve (floating ball) is intended to be used as a distribution valve. Pressure on the "closed" outlet may lead to leakages at the other outlets (medium).

Construction

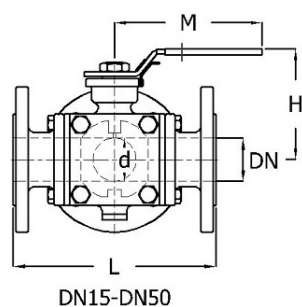
- Design in accordance with DIN 3357-1.
- Full bore.
- Equipped with anti-static design between ball and housing.

Approval

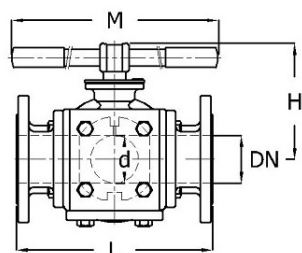
- TA Luft certified in accordance with VDI 2440, section 3.3.1.3.
- Declaration of conformity according to EC 1935/2004.

Options

- Equipped with worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manual or automated valves.
- Available with seats in TF4215.
- Stainless steel extended spindle type 8007 for insulation.
- Available in class 150 or class 300



DN15-DN50



DN65-DN100

Size table:

DN	d mm	L mm	H mm	M mm	Weight kg
DN15	15	150	83	145	4.5
DN20	20	160	88.5	145	5.9
DN25	25	180	104	175	8.7
DN32	32	190	111.5	175	11
DN50	49	230	126	200	19.2
DN65	63	290	155	265	31.7
DN80	75	310	167	265	43.5

Pressure and temperature range							
Size	Pressure class	-29	50	100	150	200	[°C]
DN65-DN100	PN16	16	15	13	13	11	[bar]
DN15-DN50	PN40	39	37	33	30	19	[bar]

Nominal inner diameter	Pressure rating	Manual operation	Mounting flange	Mounting flange 2	Ball bore	Bore	With locking device	Material ball	Actuator material	Article
DN15	PN40	Handle	F03	F04	L-bore	Full bore	Yes	1.4408	1.4301	EC07291N001-5RP4L
DN20	PN40	Handle	F03	F05	L-bore	Full bore	Yes	1.4408	1.4301	EC07291N002-ORP4L
DN25	PN40	Handle	F04	F05	L-bore	Full bore	Yes	1.4408	1.4301	EC07291N002-5RP4L
DN25	PN40	Handle	F04	F05	T-bore	Full bore	Yes	1.4408	1.4301	EC07291N002-5RP4T
DN32	PN40	Handle	F04	F07	L-bore	Full bore	Yes	1.4408	1.4301	EC07291N003-2RP4L
DN50	PN40	Handle	F05	F07	L-bore	Full bore	Yes	1.4408	1.4301	EC07291N005-ORP4L
DN50	PN40	Handle	F05	F07	T-bore	Full bore	Yes	1.4408	1.4301	EC07291N005-ORP4T
DN65	PN16	T-wrench	F07	F10	T-bore	Full bore	No	1.4408	Steel, galvanized	EC07291N006-5RP6T
DN80	PN16	T-wrench	F07	F10	L-bore	Full bore	No	1.4408	Steel, galvanized	EC07291N008-ORP6L

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