

ECON® 3-Way ball valve Type: 7281 Steel Flange PN16/40



Characteristics

Type: 7281
Norm: EN (DIN)
Construction type: 3-way
Housing material: Steel
Material quality: 1.0619
Surface protection: Acrylic polyurethane
Connection: Flange
Top flange standard: ISO 5211 Direct Mount
Angular rotation: 90 °
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.

Technical Information

- Flanged connection in accordance with EN1092-1.
- Supported ball with L or T bore
- Pressure rating PN16 or PN40.
- With "direct mount" top-flange in accordance with ISO-5211.
- Media temperature: -10/+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

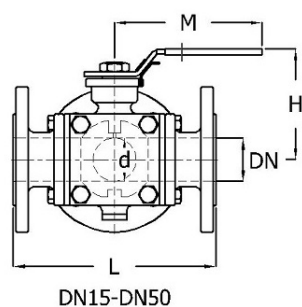
- Design in accordance with DIN 3357-1.
- Full bore.
- Equipped with anti-static design between ball and housing.

Approval

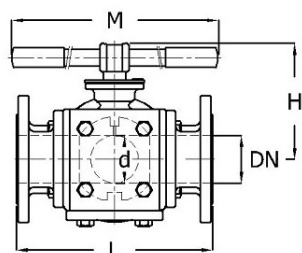
- TA Luft certified in accordance with VDI 2440, section 3.3.1.3.

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

Size	Pressure class	Pressure and temperature range					[°C]
		-10	50	100	150	200	
DN65-DN100	PN16	16	15	13	13	11	[bar]
DN15-DN50	PN40	39	37	34	32	19	[bar]

Nominal inner diameter	Pressure rating	Manual operation	Ball bore	Bore	With locking device	Material ball	Seat material	Spindle material	Actuator material	Article
DN15	PN40	Handle	L-bore	Full bore	Yes	1.4308	TFM 1600	1.4301	1.4301	EC07281N001-5SP4L
DN20	PN40	Handle	T-bore	Full bore	Yes	1.4308	TFM 1600	1.4301	1.4301	11814229
DN25	PN40	Handle	L-bore	Full bore	Yes	1.4308	TFM 1600	1.4301	1.4301	EC07281N002-5SP4L
DN32	PN40	Handle	L-bore	Full bore	Yes	1.4308	TFM 1600	1.4301	1.4301	EC07281N003-2SP4L
DN32	PN40	Handle	T-bore	Full bore	Yes	1.4308	TFM 1600	1.4301	1.4301	EC07281N003-2SP4T
DN50	PN40	Handle	L-bore	Full bore	Yes	1.4308	TFM 1600	1.4301	1.4301	EC07281N005-0SP4L
DN65	PN16	T-wrench	T-bore	Full bore	Yes	1.4308	TFM 1600	1.4301	Steel, galvanized	EC07281N006-5SP6T
DN65	PN16	T-wrench	L-bore	Full bore	Yes	1.4308	TFM 1600	1.4301	Steel, galvanized	EC07281N006-5SP6L
DN80	PN16	T-wrench	T-bore	Full bore	Yes	1.4308	TFM 1600	1.4301	Steel, galvanized	EC07281N008-0SP6T

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