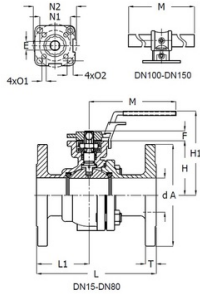


ECON® Ball valve fig. 72491 steel Kalrez flange



Characteristics

Type: 72491

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

Face to face norm: EN 558, Series 27

Top flange standard: ISO 5211 Direct Mount

Full bore:

Material ball: 1.4308

Seat material: TFM 1600

Spindle material: 1.4301

Primary spindle seal material: PTFE

Secondary spindle seal material: Kalrez 6375

Tertiary spindle seal material: Graphite

Body seal: SWG 316L/PTFE/Graphite

Minimum medium temperature (continuous): -10 °C

Maximum medium temperature (continuous): 200 °C

Application

- Industrial and chemical applications up to 16 or 40 bar.
- Liquid and gaseous media.
- Recommended in: Chemical, Tank Storage

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.
- Designed with Kalrez spindle seal.
- Acrylic polyurethane coating in RAL5015.
- DN15 to DN80 with "Heavy Duty" lever.
- 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

- TA Luft certified in accordance with VDI 2440, section 3.3.1.3.
- Fire-safe approval in accordance with ISO 10497 and API 607, sixth edition.
- Safety integrity level IEC 61508 SIL 2.

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 Fig. 8007 for insulation.

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Ball Valves | Ball Valves with Flange Connection

DN	d	L	Size table										Weight	
			L1		M	H	F	H1	nxO1	nxO2	E	ISO5211	PN16	PN40
			PN16	PN40										
15	15	115	-	49.5	145	48	9	79	4x6	4x6	9	F03/F04	-	2.4
20	20	120	-	54	145	53	9	84	4x6	4x6	9	F03/F04	-	3.2
25	25	125	-	56	175	58.5	11	90.5	4x6	4x7	11	F04/F05	-	4.2
32	32	130	-	57.4	175	71	11	103	4x6	4x7	11	F04/F05	-	5.5
40	38	140	-	58	194	76	14	111	4x7	4x9	14	F05/F07	-	6.9
50	50	150	-	63	194	85	14	120	4x7	4x9	14	F05/F07	-	9.5
65	63.5	170	69	64	265	101.5	17	150	4x9	4x11	17	F07/F10	13.8	13.8
80	76	180	74.5	69.5	265	111.5	17	160	4x9	4x11	17	F07/F10	17.7	17.8
100	100	190	83	78	400	140	22	182	-	4x11	22	F10	25.2	30.5
125	125	325	153	160	600	183	27	260	-	4x14	27	F12	60	62.5
150	150	350	162	176	800	202	27	280	-	4x14	27	F12	71.8	73.8
200	200	400	191	221	-	252.5	27	279.5	4X14	4x18	27	F12/F14	127	152

DN	Pressure rating	Pressure and temperature range					[°C]
		-10	50	100	150	200	
DN15-DN200	PN16	16	16	15	13	11	[bar]
DN15-DN50	PN40	40	40	38	34	19	[bar]
DN65-DN100	PN40	40	40	38	34	16	[bar]
DN125-DN200	PN40	40	40	38	34	12	[bar]

Nominal inner diameter	Pressure rating	Face to Face length	Operation	Mounting flange	Mounting flange 2	Bore	With locking device	Actuator material	Maximum operating pressure	Article
DN15	PN40	115	Handle	F03	F04	Full bore	Yes	1.4301	40	13290680
DN20	PN40	120	Handle	F03	F04	Full bore	Yes	1.4301	40	13290681
DN25	PN40	125	Handle	F04	F05	Full bore	Yes	1.4301	40	13290682
DN32	PN40	130	Handle	F04	F05	Full bore	Yes	1.4301	40	13290683
DN40	PN40	140	Handle	F05	F07	Full bore	Yes	1.4301	40	13290684
DN50	PN40	150	Handle	F05	F07	Full bore	Yes	1.4301	40	13290685
DN65	PN16	170	Handle	F07	F10	Full bore	Yes	1.4301	16	13290692
DN65	PN40	170	Handle	F07	F10	Full bore	Yes	1.4301	40	13290686
DN80	PN16	180	Handle	F07	F10	Full bore	Yes	1.4301	16	13290693
DN80	PN40	180	Handle	F07	F10	Full bore	Yes	1.4301	40	13290687
DN100	PN16	190	T-wrench	F10		Full bore	No	Steel, galvanized	16	13290694
DN100	PN40	190	T-wrench	F10		Full bore	No	Steel, galvanized	40	13290688
DN125	PN16	325	T-wrench	F12		Full bore	No	Steel, galvanized	16	13290695
DN125	PN40	325	T-wrench	F12		Full bore	No	Steel, galvanized	40	13290689
DN150	PN16	350	T-wrench	F12		Full bore	No	Steel, galvanized	16	13290696
DN150	PN40	350	T-wrench	F12		Full bore	No	Steel, galvanized	40	13290690

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Ball Valves | Ball Valves with Flange Connection

Nominal inner diameter	Pressure rating	Face to Face length mm	Operation	Mounting flange	Mounting flange 2	Bore	With locking device	Actuator material	Maximum operating pressure bar	Article
DN200	PN16	400	Bare stem	F12	F14	Full bore	No		16	13290697
DN200	PN40	400	Bare stem	F12	F14	Full bore	No		40	13290691

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