

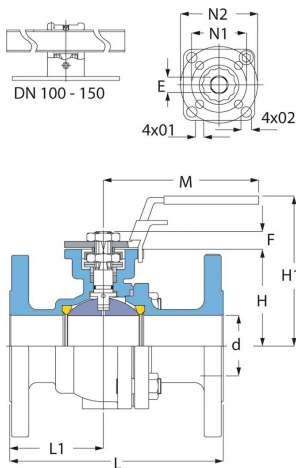
Fig. 7249 [®] Ball valve



Econ[®] two-piece ball valve with full bore, floating ball and flange connection to DIN PN16 or PN40. With anti static design according ATEX 94/9/EC, double self adjusting stem sealing according TA-Luft. Actuated by means of a lever, T-bar or gearbox. This type of ball valve is generally used in industrial systems such as water, gases, and corrosive media, up to a maximum of 40 bar (PN40 version).

Design according to EN ISO 17292, EN12516-1, flanges: EN 10921, face to face: EN 558-127 (short), testing: EN 12266 class A (100%), fire safe to API 607 6th edition.

econ[®]



Features

- Connection: Flange
- Body construction: 2-piece
- Standard face to face length: EN 558, Series 27
- Surface treatment: Epoxy coating (external)
- TA Luft: Yes
- Body material: Steel
- Material ball: 1.4308
- Quality class spindle: 1.4301
- Secondary spindle seal material: Graphite
- Sealing: SWG 316L/PTFE/Grafiel
- Full bore: Yes
- Standard flange attachment: ISO 5211 Direct Mount
- Flange finish: Raised face
- Fire-safe certified: Yes
- Standard: DIN
- Material quality: 1.0619
- Material ball seal: TFM 1600
- Primary spindle seal material: PTFE
- Spindle o-ring material: FPM (FKM)

Pressure and Temp Range

Size	Pressure rating	-10°C	+50°C	+100°C	+150°C	+200°C
		[bar]				
DN15-DN200	PN16	16	15	13	13	11
DN15-DN50	PN40	39	37	34	32	19
DN65-DN100	PN40	39	37	34	28	16
DN125-DN200	PN40	30	28	25	19	12

Dimensions

DN	d	L	L1		M	H	F	H1	N1	N2	nxO1	nxO2	E	Weight	
			PN16	PN40										PN16	PN40
[mm]														[kg]	
15	15	115	--	49,5	145	48	9	79	36	42	4x6	4x6	9	--	2,4
20	20	120	--	54	145	53	9	84	36	42	4x6	4x6	9	--	3,2
25	25	125	--	56	175	58,5	11	90,5	42	50	4x6	4x7	11	--	4,2
32	32	130	--	57,4	175	71	11	103	42	50	4x6	4x7	11	--	5,5
40	38	140	--	58	194	76	14	111	50	70	4x7	4x9	14	--	6,9
50	50	150	--	63	194	85	14	120	50	70	4x7	4x9	14	--	9,5
65	63,5	170	69	64	265	101,5	17	150	70	102	4x9	4x11	17	13,8	13,8
80	76	180	74,5	69,5	265	111,5	17	160	70	102	4x9	4x11	17	17,7	17,8
100	100	190	83	78	400	140	22	182	--	102	--	4x11	22	25,2	30,5
125	125	325	153	160	600	183	27	260	--	125	--	4x14	27	60	62,5
150	150	350	162	176	800	202	27	280	--	125	--	4x14	27	71,8	73,8
200	200	400	191	221	--	252,5	27	279,5	--	125	--	4x14	27	127	152

Order Information

Stock	Article No.	Order code	DN	Pressure rating	Operation/Actuation	Size flange attachment
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This product information sheet has been formulated with the greatest care, but no rights can be derived from it. Subject to change.

S	EC072490015SP4L	700976	DN 15	PN 40	Lever	F03/F04
S	EC072490020SP4L	700977	DN 20	PN 40	Lever	F03/F04
S	EC072490025SP4L	700978	DN 25	PN 40	Lever	F04/F05
S	EC072490032SP4L	700979	DN 32	PN 40	Lever	F04/F05
S	EC072490040SP4L	700980	DN 40	PN 40	Lever	F05/F07
S	EC072490050SP4L	700981	DN 50	PN 40	Lever	F05/F07
S	EC072490065SP6L	700988	DN 65	PN 16	Lever	F07/F10
S	EC072490065SP4L	700982	DN 65	PN 40	Lever	F07/F10
S	EC072490080SP6L	700989	DN 80	PN 16	Lever	F07/F10
S	EC072490080SP4L	700983	DN 80	PN 40	Lever	F07/F10
S	EC072490100SP6L	700990	DN 100	PN 16	T-handle	F10
S	EC072490100SP4L	700984	DN 100	PN 40	T-handle	F10
S	EC072490125SP6L	700991	DN 125	PN 16	T-handle	F12
	EC072490125SP4L	700985	DN 125	PN 40	T-handle	F12
S	EC072490150SP6L	700992	DN 150	PN 16	T-handle	F12
S	EC072490150SP4L	700986	DN 150	PN 40	T-handle	F12
S	EC072490200SP6L	700993	DN 200	PN 16	None	F12
	EC072490200SP4L	700987	DN 200	PN 40	None	F12

Additional information

Valve top flange dimensions for the attachment of actuators or intermediate supports according to ISO 5211.

DN [mm]	F	N1	N2	nxO1	nxO2	E	ISO 5211 flange-spigot-drive-diameter
15	9	36	42	4x6	4x6	9	F03/F04-N-L-9
20	9	36	42	4x6	4x6	9	F03/F04-N-L-9
25	11	42	50	4x6	4x7	11	F04/F05-N-L-11
32	11	42	50	4x6	4x7	11	F04/F05-N-L-11
40	14	50	70	4x7	4x9	14	F05/F07-N-L-14
50	14	50	70	4x7	4x9	14	F05/F07-N-L-14
65	17	70	102	4x9	4x11	17	F07/F10-N-L-17
80	17	70	102	4x9	4x11	17	F07/F10-N-L-17
100	22	--	102	--	4x11	22	F10-N-L-22
125	27	--	125	--	4x14	27	F12-N-L-27
150	27	--	125	--	4x14	27	F12-N-L-27

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DN	F	N1	N2	nxO1	nxO2	E	ISO 5211
[mm]							flange-spigot-drive-diameter
200	27	--	125	--	4x14	27	F12-N-L-27

Note. F03/F04-N-L-9, identifies an attachment according ISO 5211; F03 and F04 flange types, without spigot, parallel square drive, 9 mm diameter.