



ORBINOX Knifegate valve Series: EB Type: 5414 Stainless steel Pneumatic operated Wafer type

Characteristics

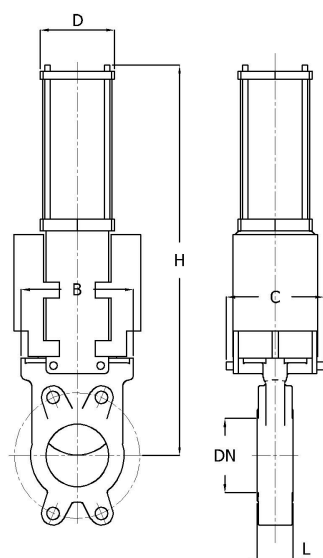
Series: EB
Type: 5414
Norm: EN (DIN)
Housing construction: 1-part
Housing material: Stainless steel
Material quality: 1.4401
Connection: Wafer type
Operating principle: Double acting
Type of sealing: Bi-directional

Spindle material: AISI 430
Material bracket: 1.4301
Medium temperature: -10 / 120 °C
Max. pressure at sliding plate: 10 bar

Application

- Recommended in: Chemical, Food & Beverages

Size table:



DN	B	C	D	H	L	Cord length	Air supply connection	Weight
	mm	mm	mm	mm	mm	cm		kg
DN50	119	100	115	412	43	24	1/4"	9
DN65	134	100	115	454	46	29	1/4"	10
DN80	149	100	115	497	46	34	1/4"	11
DN100	169	100	115	558	52	41	1/4"	13.5
DN150	210	100	140	703	56	57	1/4"	22

Pressure temperature table

Orifice	-10 < > 20 °C	80 °C	100 °C	150 °C	200 °C	250 °C	300 °C	350 °C	400 °C	450 °C	500 °C	550 °C
DN50 - DN250	10.0 bar	10.0 bar	7.5 bar	6.8 bar	6.0 bar	5.6 bar	5.2 bar	5.0 bar	4.7 bar	4.5 bar	4.4 bar	4.3 bar
DN300 DN400	6.0 bar	6.0 bar	4.5 bar	4.1 bar	3.6 bar	3.4 bar	3.1 bar	3.0 bar	2.8 bar	2.7 bar	2.6 bar	2.6 bar
DN450	5.0 bar	5.0 bar	3.8 bar	3.4 bar	3.0 bar	2.8 bar	2.6 bar	2.5 bar	2.4 bar	2.3 bar	2.2 bar	2.2 bar
DN500 DN600	4.0 bar	4.0 bar	3.0 bar	2.0 bar	2.4 bar	2.2 bar	2.1 bar	2.0 bar	1.9 bar	1.9 bar	1.8 bar	1.7 bar

Maximum temperature table sealing

Sealing material	Temperature ^{max}	Sealing material	Temperature ^{max}
EPDM	120 °C	Silicone	250 °C

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Maximum temperature table sealing			
Sealing material	Temperature ^{max}	Sealing material	Temperature ^{max}
NBR	120 °C	PTFE	250 °C
FKM	200 °C	Metall	550 °C

Nominal inner diameter	Pressure rating	Pressure rating flange	Face to Face norm	Face to Face length mm	Operation	Sealing	Plate material	Primary spindle seal material	Actuator material	Article
DN50	PN10	PN10	EN 558, Series 20	43	Pneumatic double acting	EPDM	1.4401	PTFE/EPDM	Aluminium (L2520)	13207299
DN65	PN10	PN10	EN 558, Series 20	46	Pneumatic double acting	EPDM	1.4401	PTFE/EPDM	Aluminium (L2520)	13207300
DN80	PN10	PN10	EN 558, Series 20	46	Pneumatic double acting	EPDM	1.4401	PTFE/EPDM	Aluminium (L2520)	13207302
DN100	PN10	PN10	EN 558, Series 20	52	Pneumatic double acting	EPDM	1.4401	PTFE/EPDM	Aluminium (L2520)	13207304
DN150	PN10	PN10	EN 558, Series 20	56	Pneumatic double acting	EPDM	1.4401	PTFE/EPDM	Aluminium (L2520)	13207306

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