



ORBINOX Knifegate valve Series: EB Type: 5404 Ductile cast iron Pneumatic operated Wafer type

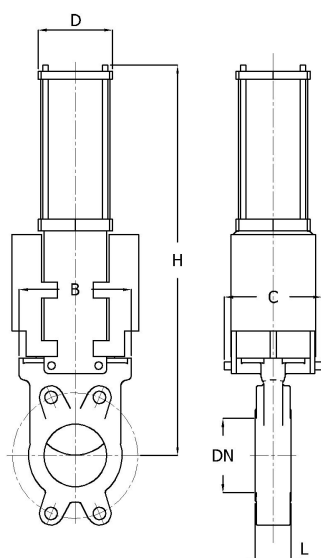
Characteristics

Series: EB
Type: 5404
Norm: EN (DIN)
Housing construction: 1-part
Housing material: Ductile cast iron
Material quality: EN-JS1020
Surface protection: Epoxy coating (in- and external)
Connection: Wafer type
Operating principle: Double acting

Characteristics [2]

Type of sealing: Bi-directional
Spindle material: AISI 430
Material bracket: Steel epoxy coating
Actuator material: Aluminium [L2520]
Medium temperature: -10 / 80 °C

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
DN125	180	100	140	632	56	49	1/4"	19
DN150	210	100	140	703	56	57	1/4"	22
DN200	262	119	175	872	60	72	1/4"	47
DN250	318	122	220	1042	68	88	3/8"	58
DN300	372	122	220	1182	78	104	3/8"	84

Pressure- / temperature table

Orifice	-10 < > 20 °C	80 °C	100 °C	150 °C	200 °C	250 °C	300 °C	350 °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
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
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
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

Maximum temperature table sealing

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

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Maximum temperature table sealing			
Sealing material	Temperature ^{max}	Sealing material	Temperature ^{max}
FKM	200 °C	Metall	350 °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	Max. pressure at sliding plate bar	Article
DN50	PN10	PN10	EN 558, Series 20	43	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	13539287
DN65	PN10	PN10	EN 558, Series 20	46	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	13539288
DN80	PN10	PN10	EN 558, Series 20	46	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	13539289
DN100	PN10	PN10	EN 558, Series 20	52	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	13539290
DN125	PN10	PN10	EN 558, Series 20	56	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	13539291
DN150	PN10	PN10	EN 558, Series 20	56	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	13539292
DN200	PN10	PN10	EN 558, Series 20	60	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	13539293
DN250	PN10	PN10	EN 558, Series 20	68	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	13539294
DN300	PN6	PN10	EN 558, Series 20	78	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	6	13539295

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