



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

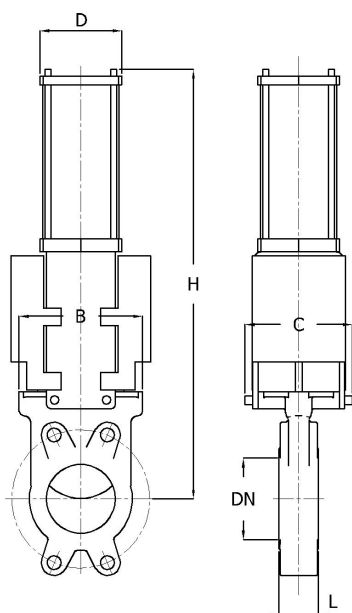
Characteristics

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
DN350	431	197	277	1374	78	120	3/8"	130
DN400	486	197	277	1509	102	136	3/8"	181
DN450	540	201	382	1688	114	151	1/2"	235
DN500	602	201	382	1838	127	167	1/2"	302
DN600	708	201	382	2098	110	197	1/2"	315

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

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Maximum temperature table sealing			
Sealing material	Temperature ^{max}	Sealing material	Temperature ^{max}
EPDM	120 °C	Silicone	250 °C
NBR	120 °C	PTFE	250 °C
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
DN50	PN10	PN10	EN 558, Series 20	43	Pneumatic double acting	NBR	1.4301	PTFE/NBR	10	14399500
DN65	PN10	PN10	EN 558, Series 20	46	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	13539288
DN65	PN10	PN10	EN 558, Series 20	46	Pneumatic double acting	NBR	1.4301	PTFE/NBR	10	14399501
DN80	PN10	PN10	EN 558, Series 20	46	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	13539289
DN80	PN10	PN10	EN 558, Series 20	46	Pneumatic double acting	NBR	1.4301	PTFE/NBR	10	14399502
DN100	PN10	PN10	EN 558, Series 20	52	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	13539290
DN100	PN10	PN10	EN 558, Series 20	52	Pneumatic double acting	NBR	1.4301	PTFE/NBR	10	14399503
DN125	PN10	PN10	EN 558, Series 20	56	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	13539291
DN125	PN10	PN10	EN 558, Series 20	56	Pneumatic double acting	NBR	1.4301	PTFE/NBR	10	14399504
DN150	PN10	PN10	EN 558, Series 20	56	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	13539292
DN150	PN10	PN10	EN 558, Series 20	56	Pneumatic double acting	NBR	1.4301	PTFE/NBR	10	14399505
DN200	PN10	PN10	EN 558, Series 20	60	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	13539293
DN200	PN10	PN10	EN 558, Series 20	60	Pneumatic double acting	NBR	1.4301	PTFE/NBR	10	14399506
DN250	PN10	PN10	EN 558, Series 20	68	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	13539294
DN250	PN10	PN10	EN 558, Series 20	68	Pneumatic double acting	NBR	1.4301	PTFE/NBR	10	14399507
DN300	PN6	PN10	EN 558, Series 20	78	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	6	13539295
DN300	PN6	PN10	EN 558, Series 20	78	Pneumatic double acting	NBR	1.4301	PTFE/NBR	6	14399508
DN350	PN6	PN10	EN 558, Series 20	78	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	14399430
DN400	PN6	PN10	EN 558, Series 20	102	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	6	14399433
DN450	PN5	PN10	EN 558, Series 20	114	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	5	14399435
DN500	PN4	PN10	EN 558, Series 20	127	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	4	14399437
DN600	PN4	PN10	Manufacturer standard	110	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	4	14399439

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