



ORBINOX Knifegate valve Series: EB Type: 5404 Ductile cast iron Hand wheel Wafer type

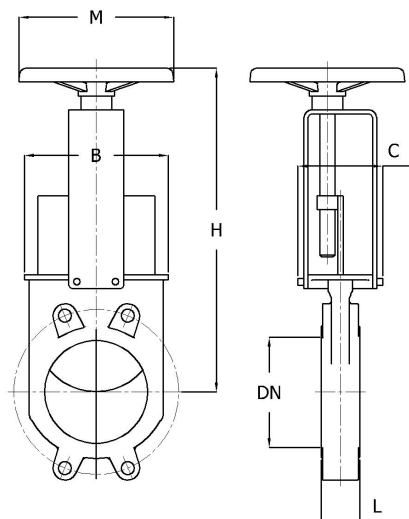
Characteristics

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

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	H	L	M	Cord length	Weight
	mm	mm	mm	mm	mm	cm	kg
DN50	119	100	312	43	225	24	8
DN65	134	100	339	46	225	29	9
DN80	149	100	364	46	225	34	10
DN100	169	100	405	52	225	41	12
DN125	180	100	439	56	225	49	15
DN150	210	100	485	56	225	57	17
DN200	262	119	595	60	310	72	30
DN250	318	122	695	68	310	88	42
DN300	372	122	785	78	310	104	60
DN350	431	197	932	78	410	120	90
DN400	486	197	1017	102	410	136	140
DN450	540	201	1119	114	550	151	185
DN500	602	201	1219	127	550	167	204
DN600	708	201	1379	110	550	197	230

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

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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	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	Hand wheel, non-rising with non-rising stem	EPDM	1.4301	PTFE/EPDM	10	13539268
DN50	PN10	PN10	EN 558, Series 20	43	Hand wheel, non-rising with non-rising stem	NBR	1.4301	PTFE/NBR	10	14399491
DN65	PN10	PN10	EN 558, Series 20	46	Hand wheel, non-rising with non-rising stem	EPDM	1.4301	PTFE/EPDM	10	13539269
DN65	PN10	PN10	EN 558, Series 20	46	Hand wheel, non-rising with non-rising stem	NBR	1.4301	PTFE/NBR	10	14399492
DN80	PN10	PN10	EN 558, Series 20	46	Hand wheel, non-rising with non-rising stem	EPDM	1.4301	PTFE/EPDM	10	13539270
DN80	PN10	PN10	EN 558, Series 20	46	Hand wheel, non-rising with non-rising stem	NBR	1.4301	PTFE/NBR	10	14399493
DN100	PN10	PN10	EN 558, Series 20	52	Hand wheel, non-rising with non-rising stem	EPDM	1.4301	PTFE/EPDM	10	13539271
DN100	PN10	PN10	EN 558, Series 20	52	Hand wheel, non-rising with non-rising stem	NBR	1.4301	PTFE/NBR	10	14399494
DN125	PN10	PN10	EN 558, Series 20	56	Hand wheel, non-rising with non-rising stem	EPDM	1.4301	PTFE/EPDM	10	13539272
DN125	PN10	PN10	EN 558, Series 20	56	Hand wheel, non-rising with non-rising stem	NBR	1.4301	PTFE/NBR	10	14399495
DN150	PN10	PN10	EN 558, Series 20	56	Hand wheel, non-rising with non-rising stem	EPDM	1.4301	PTFE/EPDM	10	13539283
DN150	PN10	PN10	EN 558, Series 20	56	Hand wheel, non-rising with non-rising stem	NBR	1.4301	PTFE/NBR	10	14399496
DN200	PN10	PN10	EN 558, Series 20	60	Hand wheel, non-rising with non-rising stem	EPDM	1.4301	PTFE/EPDM	10	13539284
DN200	PN10	PN10	EN 558, Series 20	60	Hand wheel, non-rising with non-rising stem	NBR	1.4301	PTFE/NBR	10	14399497
DN250	PN10	PN10	EN 558, Series 20	68	Hand wheel, non-rising with non-rising stem	EPDM	1.4301	PTFE/EPDM	10	13539285

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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
DN250	PN10	PN10	EN 558, Series 20	68	Hand wheel, non-rising with non-rising stem	NBR	1.4301	PTFE/NBR	10	14399498
DN300	PN6	PN10	EN 558, Series 20	78	Hand wheel, non-rising with non-rising stem	EPDM	1.4301	PTFE/EPDM	6	13539286
DN300	PN6	PN10	EN 558, Series 20	78	Hand wheel, non-rising with non-rising stem	NBR	1.4301	PTFE/NBR	6	14399499
DN350	PN6	PN10	EN 558, Series 20	78	Hand wheel, non-rising with non-rising stem	EPDM	1.4301	PTFE/EPDM	6	14399429
DN400	PN6	PN10	EN 558, Series 20	102	Hand wheel, non-rising with non-rising stem	EPDM	1.4301	PTFE/EPDM	6	14399431
DN450	PN5	PN10	EN 558, Series 20	114	Hand wheel, non-rising with non-rising stem	EPDM	1.4301	PTFE/EPDM	5	14399434
DN500	PN4	PN10	EN 558, Series 20	127	Hand wheel, non-rising with non-rising stem	EPDM	1.4301	PTFE/EPDM	4	14399436
DN600	PN4	PN10	Manufacturer standard	110	Hand wheel, non-rising with non-rising stem	EPDM	1.4301	PTFE/EPDM	4	14399438

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