



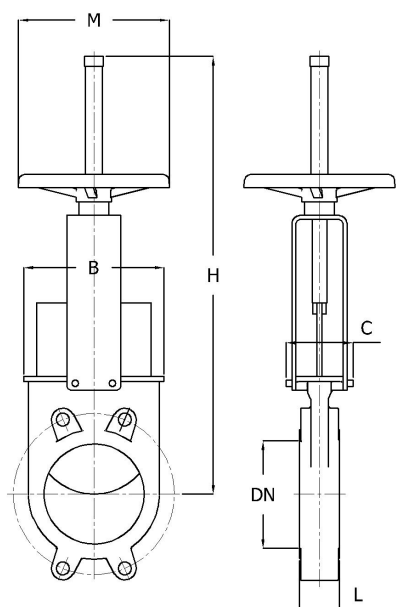
ORBINOX Knifegate valve Series: EX Type: 5402 Cast iron Hand wheel Wafer type

Characteristics

Series: EX
Type: 5402
Norm: EN (DIN)
Housing construction: 1-part
Housing material: Cast iron
Material quality: EN-JL1040
Surface protection: Epoxy coating (in- and external)
Connection: Wafer type

Characteristics [2]

Type of sealing: Uni-directional
Spindle material: AISI 430
Material bracket: Steel epoxy coating
Actuator material: Ductile cast iron
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	420	40	225	24	7
DN65	134	100	450	40	225	29	8
DN80	149	100	475	50	225	34	9
DN100	169	100	520	50	225	41	11
DN125	180	100	600	50	225	49	15
DN150	210	100	652	60	225	57	18
DN200	262	119	822	60	310	72	30
DN250	318	122	1022	70	310	88	44
DN300	372	122	1122	70	310	104	58
DN350	431	197	1323	96	410	120	96
DN400	486	197	1427	100	410	136	124
DN450	540	201	1594	106	550	151	168
DN500	602	201	1707	110	550	167	192
DN600	708	201	2022	110	550	197	245

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	Manufacturer standard	40	Hand wheel, non-rising with rising stem	EPDM	1.4301	PTFE/EPDM	10	11813530
DN65	PN10	PN10	Manufacturer standard	40	Hand wheel, non-rising with rising stem	EPDM	1.4301	PTFE/EPDM	10	11813532
DN65	PN10	PN10	Manufacturer standard	40	Hand wheel, non-rising with rising stem	NBR	1.4301	PTFE/NBR	10	14399477
DN80	PN10	PN10	Manufacturer standard	50	Hand wheel, non-rising with rising stem	EPDM	1.4301	PTFE/EPDM	10	11813534
DN80	PN10	PN10	Manufacturer standard	50	Hand wheel, non-rising with rising stem	NBR	1.4301	PTFE/NBR	10	14399478
DN100	PN10	PN10	Manufacturer standard	50	Hand wheel, non-rising with rising stem	EPDM	1.4301	PTFE/EPDM	10	11813536
DN125	PN10	PN10	Manufacturer standard	50	Hand wheel, non-rising with rising stem	EPDM	1.4301	PTFE/EPDM	10	11813538
DN125	PN10	PN10	Manufacturer standard	50	Hand wheel, non-rising with rising stem	NBR	1.4301	PTFE/NBR	10	14399479
DN150	PN10	PN10	Manufacturer standard	60	Hand wheel, non-rising with rising stem	EPDM	1.4301	PTFE/EPDM	10	11813540
DN150	PN10	PN10	Manufacturer standard	60	Hand wheel, non-rising with rising stem	NBR	1.4301	PTFE/NBR	10	14399480
DN200	PN10	PN10	Manufacturer standard	60	Hand wheel, non-rising with rising stem	EPDM	1.4301	PTFE/EPDM	10	11813542
DN250	PN10	PN10	Manufacturer standard	70	Hand wheel, non-rising with rising stem	EPDM	1.4301	PTFE/EPDM	10	11813544
DN250	PN10	PN10	Manufacturer standard	70	Hand wheel, non-rising with rising stem	NBR	1.4301	PTFE/NBR	10	14399481
DN300	PN6	PN10	Manufacturer standard	70	Hand wheel, non-rising with rising stem	EPDM	1.4301	PTFE/EPDM	6	11813546
DN300	PN6	PN10	Manufacturer standard	70	Hand wheel, non-rising with rising stem	NBR	1.4301	PTFE/NBR	6	14399482

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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
DN350	PN6	PN10	Manufacturer standard	96	Hand wheel, non-rising with rising stem	EPDM	1.4301	PTFE/EPDM	6	11813548
DN400	PN6	PN10	Manufacturer standard	100	Hand wheel, non-rising with rising stem	EPDM	1.4301	PTFE/EPDM	6	11813550
DN450	PN5	PN10	Manufacturer standard	106	Hand wheel, non-rising with rising stem	EPDM	1.4301	PTFE/EPDM	5	14399415
DN500	PN4	PN10	Manufacturer standard	110	Hand wheel, non-rising with rising stem	EPDM	1.4301	PTFE/EPDM	4	14399417
DN600	PN4	PN10	Manufacturer standard	50	Hand wheel, non-rising with rising stem	EPDM	1.4301	PTFE/EPDM	4	14399419
DN100	PN10	PN10	Manufacturer standard	50	Hand wheel, non-rising with rising stem	NBR	1.4301	PTFE/NBR	10	14098326
DN200	PN10	PN10	Manufacturer standard	60	Hand wheel, non-rising with rising stem	NBR	1.4301	PTFE/NBR	10	14086793
DN50	PN10	PN10	Manufacturer standard	40	Hand wheel, non-rising with rising stem	NBR	1.4301	PTFE/NBR	10	14098327

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