



ORBINOX Knifegate valve Series: EX Type: 5402 Cast iron Pneumatic operated Wafer type

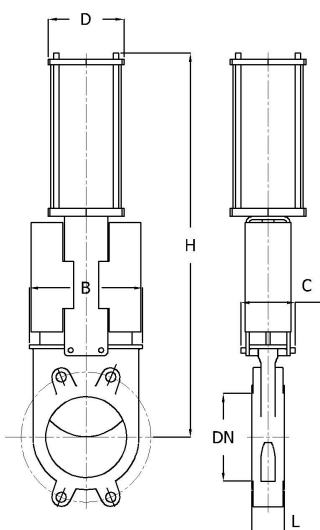
Characteristics

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
Operating principle: Double acting

Characteristics [2]

Type of sealing: Uni-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	40	24	1/4"	9
DN65	134	100	115	454	40	29	1/4"	10
DN80	149	100	115	497	50	34	1/4"	11
DN100	169	100	115	558	50	41	1/4"	14
DN125	180	100	140	632	50	49	1/4"	20
DN150	210	100	140	708	60	57	1/4"	25
DN200	262	119	175	872	60	72	1/4"	44
DN250	318	122	220	1042	70	88	3/8"	67
DN300	372	122	220	1192	70	104	3/8"	82
DN350	431	197	277	1387	96	120	3/8"	135

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	Manufacturer standard	40	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	11813531
DN65	PN10	PN10	Manufacturer standard	40	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	11813533
DN80	PN10	PN10	Manufacturer standard	50	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	11813535
DN100	PN10	PN10	Manufacturer standard	50	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	11813537
DN125	PN10	PN10	Manufacturer standard	50	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	11813539
DN150	PN10	PN10	Manufacturer standard	60	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	11813541
DN200	PN10	PN10	Manufacturer standard	60	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	11813543
DN200	PN10	PN10	Manufacturer standard	60	Pneumatic double acting	NBR	1.4301	PTFE/NBR	10	14086841
DN250	PN10	PN10	Manufacturer standard	70	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	10	11813545
DN300	PN6	PN10	Manufacturer standard	70	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	6	11813547
DN350	PN6	PN10	Manufacturer standard	96	Pneumatic double acting	EPDM	1.4301	PTFE/EPDM	6	11813549

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