



ORBINOX Knifegate valve Series: EX Type: 5412 Stainless steel Hand wheel Wafer type

Characteristics

Series: EX
Type: 5412
Norm: EN (DIN)
Housing construction: 1-part
Housing material: Stainless steel
Material quality: 1.4401
Connection: Wafer type
Type of sealing: Uni-directional
Spindle material: AISI 430

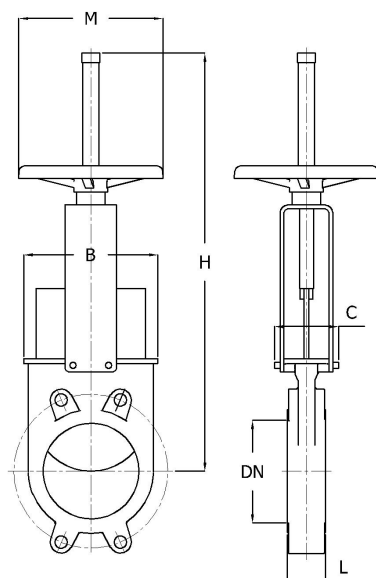
Material bracket: Steel epoxy coating

Actuator material: Ductile cast iron

Medium temperature: -10 / 120 °C

Application

- Recommended in: Chemical, Food & Beverages



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
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	400 °C	450 °C	500 °C	550 °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	4.7 bar	4.5 bar	4.4 bar	4.3 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	2.8 bar	2.7 bar	2.6 bar	2.6 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	2.4 bar	2.3 bar	2.2 bar	2.2bar
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	1.9 bar	1.9 bar	1.8 bar	1.7 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	550 °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	1.4401	PTFE/EPDM	10	11813569
DN80	PN10	PN10	Manufacturer standard	50	Hand wheel, non-rising with rising stem	EPDM	1.4401	PTFE/EPDM	10	11813572
DN100	PN10	PN10	Manufacturer standard	50	Hand wheel, non-rising with rising stem	EPDM	1.4401	PTFE/EPDM	10	11813574
DN125	PN10	PN10	Manufacturer standard	50	Hand wheel, non-rising with rising stem	EPDM	1.4401	PTFE/EPDM	10	13426874
DN150	PN10	PN10	Manufacturer standard	60	Hand wheel, non-rising with rising stem	EPDM	1.4401	PTFE/EPDM	10	11813577
DN200	PN10	PN10	Manufacturer standard	60	Hand wheel, non-rising with rising stem	EPDM	1.4401	PTFE/EPDM	10	11813579
DN250	PN10	PN10	Manufacturer standard	70	Hand wheel, non-rising with rising stem	EPDM	1.4401	PTFE/EPDM	10	11813581
DN300	PN6	PN10	Manufacturer standard	70	Hand wheel, non-rising with rising stem	EPDM	1.4401	PTFE/EPDM	6	11813583
DN350	PN6	PN10	Manufacturer standard	96	Hand wheel, non-rising with rising stem	EPDM	1.4401	PTFE/EPDM	6	14399421
DN400	PN6	PN10	Manufacturer standard	100	Hand wheel, non-rising with rising stem	EPDM	1.4401	PTFE/EPDM	6	14399422
DN450	PN5	PN10	Manufacturer standard	106	Hand wheel, non-rising with rising stem	EPDM	1.4401	PTFE/EPDM	5	14399423
DN500	PN4	PN10	Manufacturer standard	110	Hand wheel, non-rising with rising stem	EPDM	1.4401	PTFE/EPDM	4	14399425
DN600	PN4	PN10	Manufacturer standard	110	Hand wheel, non-rising with rising stem	EPDM	1.4401	PTFE/EPDM	4	14399427

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