



SAUNDERS Diaphragm valve Series: A Type: 3030RL Ductile cast iron Rubber lining Flange PN10/16

Ductile cast iron diaphragm valve, short pattern, with rubber lining and flange connection, pressure rating PN10 or PN16.

Characteristics

Series: A
Type: 3030RL
Norm: EN [DIN]
Housing construction: A (Weir type)
Housing material: Ductile cast iron
Material quality: EN-JS1025
Surface protection: Manufacturer standard
Connection: Flange
Flange finish: Raised face
Face to Face norm: EN 558, Series 7
Manual operation: Hand wheel, rising with rising stem
Minimum medium temperature (continuous): -10 °C
Maximum medium temperature (continuous): 85 °C
With position indicator: Yes

Application

- General Industry.
- Chemical process industry.
- Gases and liquids with max. 15% solids.

Technical Information

- No dead spaces and moving parts in the medium flow.
- Contact ERIKS for advice on the selection of material for the diaphragm and lining.

Options

- Available in long pattern; type 3027RL.
- Available with ASME Class 125 or Class 150 flanges.
- Available with other diaphragm and liner materials.
- Available with pneumatic actuator for open/close or control function.

Size table						
DN [mm]	ØD [mm]	L [mm]	H open [mm]	ØW [mm]	Weight [kg]	Kvs m ³ /hour
20	105	121	97	62	3	8
25	115	131	111	80	4	12
32	140	150	146	120	5	19
40	150	163	160	120	6	30
50	165	194	177	120	9	55
65	185	220	229	170	15	88
80	200	258	246	230	21	128
100	220	309	311	280	32	218
150	285	412	445	368	63	419
Other sizes on request.						

Maximum working pressure				
Size	DN 15 thru DN50	DN65 thru DN125	DN150	
Rubber diaphragm	16	10	10	[bar]
PTFE diaphragm	10	10	7	[bar]

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Diaphragm Valves | Diaphragm Valves with Flange Connection

Temperature range			
Diaphragm code	Diaphragm material	Temperature range	
XE	EPDM	-10 / +130	[°C]
XB	IIR	-10 / +130	[°C]
Q	NR	-10 / +100	[°C]
PE	PTFE/EPDM	-10 / +150	[°C]
PB	PTFE/IIR	-10 / +150	[°C]
PC	PTFE/FKM	-10 / +175	[°C]

Lining name	Lining material	Temperature range	
Ebonite	Hard rubber	-10 / +85	[°C]
Butyl	IIR	-10 / +110	[°C]
Other diaphragm and lining materials on request.			

Material body lining	Membrane material	Material code diaphragm	Nominal inner diameter	Pressure rating	Face to Face length	Material bonnet	Actuator material	Maximum pressure difference at 20 °C	Kv value	Article
					mm			bar	m³/h	
Hard rubber	EPDM	XE	DN20	PN16	121	Cast iron	Plastic	16	8	14156416
Hard rubber	EPDM	XE	DN25	PN16	131	Cast iron	Plastic	16	12	14156417
Hard rubber	EPDM	XE	DN40	PN16	163	Cast iron	Plastic	16	30	14156418
Hard rubber	EPDM	XE	DN50	PN16	194	Cast iron	Plastic	16	55	14156419
Hard rubber	EPDM	XE	DN65	PN10	220	Cast iron	Cast iron	10	88	14156420
Hard rubber	EPDM	XE	DN80	PN10	258	Cast iron	Cast iron	10	128	14156421
Hard rubber	EPDM	XE	DN100	PN10	309	Cast iron	Cast iron	10	218	14156422
Hard rubber	IIR (butyl)	XB	DN20	PN16	121	Cast iron	Plastic	16	8	14156423
Hard rubber	IIR (butyl)	XB	DN25	PN16	131	Cast iron	Plastic	16	12	14156424
Hard rubber	IIR (butyl)	XB	DN40	PN16	163	Cast iron	Plastic	16	30	14156425
Hard rubber	IIR (butyl)	XB	DN50	PN16	194	Cast iron	Plastic	16	55	14156426
Hard rubber	IIR (butyl)	XB	DN65	PN10	220	Cast iron	Cast iron	10	88	14156427
Hard rubber	IIR (butyl)	XB	DN80	PN10	258	Cast iron	Cast iron	10	128	14156428
Hard rubber	IIR (butyl)	XB	DN100	PN10	309	Cast iron	Cast iron	10	218	14156429
Hard rubber	NR	Q	DN20	PN16	121	Cast iron	Plastic	16	8	14156430
Hard rubber	NR	Q	DN40	PN16	163	Cast iron	Plastic	16	30	14156431
Hard rubber	NR	Q	DN50	PN16	194	Cast iron	Plastic	16	55	14156432
Hard rubber	NR	Q	DN65	PN10	220	Cast iron	Cast iron	10	88	14156433
Hard rubber	NR	Q	DN80	PN10	258	Cast iron	Cast iron	10	128	14156434
Hard rubber	NR	Q	DN100	PN10	309	Cast iron	Cast iron	10	218	10052123
Hard rubber	NR	Q	DN150	PN10	412	Ductile cast iron	Cast iron	10	419	10052124
Hard rubber	PTFE/EPDM	PE	DN20	PN10	121	Cast iron	Cast iron	10	8	14156435
Hard rubber	PTFE/EPDM	PE	DN25	PN10	131	Cast iron	Cast iron	10	12	14156436
Hard rubber	PTFE/EPDM	PE	DN40	PN10	163	Cast iron	Cast iron	10	30	14156437
Hard rubber	PTFE/EPDM	PE	DN50	PN10	194	Cast iron	Cast iron	10	55	14156438
Hard rubber	PTFE/EPDM	PE	DN65	PN10	220	Cast iron	Cast iron	10	88	14156439
Hard rubber	PTFE/EPDM	PE	DN80	PN10	258	Cast iron	Cast iron	10	128	14156440
Hard rubber	PTFE/EPDM	PE	DN100	PN10	309	Cast iron	Cast iron	10	218	14156441
Hard rubber	PTFE/FPM	PC	DN20	PN10	121	Cast iron	Cast iron	10	8	14156449
Hard rubber	PTFE/FPM	PC	DN25	PN10	131	Cast iron	Cast iron	10	12	14156450
Hard rubber	PTFE/FPM	PC	DN40	PN10	163	Cast iron	Cast iron	10	30	14156451
Hard rubber	PTFE/FPM	PC	DN50	PN10	194	Cast iron	Cast iron	10	55	14156452

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Material body lining	Membrane material	Material code diaphragm	Nominal inner diameter	Pressure rating	Face to Face length	Material bonnet	Actuator material	Maximum pressure difference at 20 °C	Kv value	Article
					mm			bar	m³/h	
Hard rubber	PTFE/FPM	PC	DN65	PN10	220	Cast iron	Cast iron	10	88	14156453
Hard rubber	PTFE/FPM	PC	DN80	PN10	258	Cast iron	Cast iron	10	128	14156454
Hard rubber	PTFE/FPM	PC	DN100	PN10	309	Cast iron	Cast iron	10	218	14156455
Hard rubber	PTFE/IIR	PB	DN25	PN10	131	Cast iron	Plastic	10	12	14156443
Hard rubber	PTFE/IIR	PB	DN40	PN10	163	Cast iron	Plastic	10	30	14156444
Hard rubber	PTFE/IIR	PB	DN50	PN10	194	Cast iron	Plastic	10	55	14156445
Hard rubber	PTFE/IIR	PB	DN65	PN10	220	Cast iron	Cast iron	10	88	14156446
Hard rubber	PTFE/IIR	PB	DN80	PN10	258	Cast iron	Cast iron	10	128	14156447
Hard rubber	PTFE/IIR	PB	DN100	PN10	309	Cast iron	Cast iron	10	218	14156448

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