



SAUNDERS Diaphragm valve Series: A Type: 3027RL Ductile cast iron Rubber lining Flange PN10/16

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

Characteristics

Series: A
Type: 3027RL
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 1
Manual operation: Hand wheel, rising with rising stem
Minimum medium temperature (continuous): -10 °C
With position indicator: Yes

Application

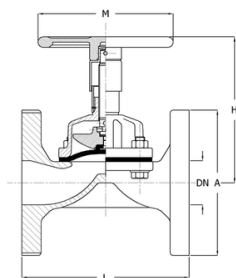
- General Industry.
- Chemical process industry.
- Gases and liquids with max. 15% solids.
- Recommended in: Chemical

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 short pattern; type 3030RL.
- 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 [m3/hour]
20	105	150	97	62	3	8
25	115	160	111	80	4	12
32	140	180	146	120	5	19
40	150	200	160	120	6	30
50	165	230	177	120	9	55
65	185	290	229	170	15	88
80	200	310	246	230	21	128
100	220	350	311	280	32	218
150	285	480	445	368	63	419
Other sizes on request						

Maximum working pressure			
Size	DN15 thru DN50	DN65 thru DN150	
Rubber diaphragm	16	10	[bar]

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Temperature range			
Diaphragm code	Diaphragm material	Temperature range	
XE	EPDM	-10 / +130	[°C]
Q	NR	-10 / +100	[°C]
Lining name	Lining material	Temperature range	
Ebonite	Hard rubber	-10 / +85	[°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 medium temperature [continuous]	Maximum pressure difference at 20 °C	Article
					mm			°C	bar	
Butyl	IIR (butyl)	XB	DN20	PN16	150	Cast iron	Plastic	110	16	14156395
Butyl	IIR (butyl)	XB	DN25	PN16	160	Cast iron	Plastic	110	16	14156396
Butyl	IIR (butyl)	XB	DN40	PN16	200	Cast iron	Plastic	110	16	14156397
Butyl	IIR (butyl)	XB	DN50	PN16	230	Cast iron	Plastic	110	16	14156398
Butyl	IIR (butyl)	XB	DN65	PN10	290	Cast iron	Cast iron	110	10	14156399
Butyl	IIR (butyl)	XB	DN80	PN10	310	Cast iron	Cast iron	110	10	14156400
Butyl	IIR (butyl)	XB	DN100	PN10	350	Cast iron	Cast iron	110	10	14156401
Butyl	PTFE/FPM	PC	DN20	PN10	150	Cast iron	Cast iron	110	10	14156402
Butyl	PTFE/FPM	PC	DN25	PN10	160	Cast iron	Cast iron	110	10	14156403
Butyl	PTFE/FPM	PC	DN40	PN10	200	Cast iron	Cast iron	110	10	14156404
Butyl	PTFE/FPM	PC	DN50	PN10	230	Cast iron	Cast iron	110	10	14156405
Butyl	PTFE/FPM	PC	DN65	PN10	290	Cast iron	Cast iron	110	10	14156406
Butyl	PTFE/FPM	PC	DN80	PN10	310	Cast iron	Cast iron	110	10	14156407
Butyl	PTFE/FPM	PC	DN100	PN10	350	Cast iron	Cast iron	110	10	14156408
Butyl	PTFE/IIR	PB	DN20	PN10	150	Cast iron	Plastic	110	10	14156409
Butyl	PTFE/IIR	PB	DN25	PN10	160	Cast iron	Plastic	110	10	14156410
Butyl	PTFE/IIR	PB	DN40	PN10	200	Cast iron	Plastic	110	10	14156411
Butyl	PTFE/IIR	PB	DN50	PN10	230	Cast iron	Plastic	110	10	14156412
Butyl	PTFE/IIR	PB	DN65	PN10	290	Cast iron	Cast iron	110	10	14156413
Butyl	PTFE/IIR	PB	DN80	PN10	310	Cast iron	Cast iron	110	10	14156414
Butyl	PTFE/IIR	PB	DN100	PN10	350	Cast iron	Cast iron	110	10	14156415
Hard rubber	EPDM	XE	DN20	PN16	150	Ductile cast iron	Cast iron	85	16	11589060
Hard rubber	EPDM	XE	DN25	PN16	160	Ductile cast iron	Cast iron	85	16	11234106
Hard rubber	EPDM	XE	DN40	PN16	200	Ductile cast iron	Cast iron	85	16	11234108
Hard rubber	EPDM	XE	DN50	PN16	230	Ductile cast iron	Cast iron	85	16	11234109
Hard rubber	EPDM	XE	DN65	PN10	290	Ductile cast iron	Cast iron	85	10	11280462
Hard rubber	EPDM	XE	DN80	PN10	310	Ductile cast iron	Cast iron	85	10	11234103
Hard rubber	EPDM	XE	DN100	PN10	350	Ductile cast iron	Cast iron	85	10	11234104
Hard rubber	IIR (butyl)	XB	DN20	PN16	150	Cast iron	Plastic	85	16	14156357
Hard rubber	IIR (butyl)	XB	DN25	PN16	160	Cast iron	Plastic	85	16	14156358
Hard rubber	IIR (butyl)	XB	DN40	PN16	200	Cast iron	Plastic	85	16	14156359
Hard rubber	IIR (butyl)	XB	DN50	PN16	230	Cast iron	Plastic	85	16	14156360
Hard rubber	IIR (butyl)	XB	DN65	PN10	290	Cast iron	Cast iron	85	10	14156361
Hard rubber	IIR (butyl)	XB	DN80	PN10	310	Cast iron	Cast iron	85	10	14156362
Hard rubber	IIR (butyl)	XB	DN100	PN10	350	Cast iron	Cast iron	85	10	14156373
Hard rubber	NR	Q	DN20	PN16	150	Ductile cast iron	Cast iron	85	16	10052141

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Material body lining	Membrane material	Material code diaphragm	Nominal inner diameter	Pressure rating	Face to Face length mm	Material bonnet	Actuator material	Maximum medium temperature (continuous) °C	Maximum pressure difference at 20 °C bar	Article
Hard rubber	NR	Q	DN25	PN16	160	Ductile cast iron	Cast iron	85	16	10052142
Hard rubber	NR	Q	DN32	PN16	180	Ductile cast iron	Cast iron	85	16	10052143
Hard rubber	NR	Q	DN40	PN16	200	Ductile cast iron	Cast iron	85	16	13035128
Hard rubber	NR	Q	DN50	PN16	230	Ductile cast iron	Cast iron	85	16	10052145
Hard rubber	NR	Q	DN65	PN10	290	Ductile cast iron	Cast iron	85	10	10052132
Hard rubber	NR	Q	DN80	PN10	310	Ductile cast iron	Cast iron	85	10	10052133
Hard rubber	NR	Q	DN100	PN10	350	Ductile cast iron	Cast iron	85	10	10052134
Hard rubber	NR	Q	DN150	PN10	480	Ductile cast iron	Cast iron	85	10	10052135
Hard rubber	PTFE/EPDM	PE	DN20	PN10	150	Cast iron	Cast iron	85	10	14156374
Hard rubber	PTFE/EPDM	PE	DN25	PN10	160	Cast iron	Cast iron	85	10	14156375
Hard rubber	PTFE/EPDM	PE	DN40	PN10	200	Cast iron	Cast iron	85	10	14156376
Hard rubber	PTFE/EPDM	PE	DN50	PN10	230	Cast iron	Cast iron	85	10	14156377
Hard rubber	PTFE/EPDM	PE	DN65	PN10	290	Cast iron	Cast iron	85	10	14156378
Hard rubber	PTFE/EPDM	PE	DN80	PN10	310	Cast iron	Cast iron	85	10	14156379
Hard rubber	PTFE/EPDM	PE	DN100	PN10	350	Cast iron	Cast iron	85	10	14156380
Hard rubber	PTFE/FPM	PC	DN20	PN10	150	Cast iron	Cast iron	85	10	14156388
Hard rubber	PTFE/FPM	PC	DN25	PN10	160	Cast iron	Cast iron	85	10	14156389
Hard rubber	PTFE/FPM	PC	DN40	PN10	200	Cast iron	Cast iron	85	10	14156390
Hard rubber	PTFE/FPM	PC	DN50	PN10	230	Cast iron	Cast iron	85	10	14156391
Hard rubber	PTFE/FPM	PC	DN65	PN10	290	Cast iron	Cast iron	85	10	14156392
Hard rubber	PTFE/FPM	PC	DN80	PN10	310	Cast iron	Cast iron	85	10	14156393
Hard rubber	PTFE/FPM	PC	DN100	PN10	350	Cast iron	Cast iron	85	10	14156394
Hard rubber	PTFE/IIR	PB	DN20	PN10	150	Cast iron	Plastic	85	10	14156381
Hard rubber	PTFE/IIR	PB	DN25	PN10	160	Cast iron	Plastic	85	10	14156382
Hard rubber	PTFE/IIR	PB	DN40	PN10	200	Cast iron	Plastic	85	10	14156383
Hard rubber	PTFE/IIR	PB	DN50	PN10	230	Cast iron	Plastic	85	10	14156384
Hard rubber	PTFE/IIR	PB	DN65	PN10	290	Cast iron	Cast iron	85	10	14156385
Hard rubber	PTFE/IIR	PB	DN80	PN10	310	Cast iron	Cast iron	85	10	14156386
Hard rubber	PTFE/IIR	PB	DN100	PN10	350	Cast iron	Cast iron	85	10	14156387

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