RICHTER PFA LINEDE MEMBRANVENTILER

MEMDN15PFA
PTFE linet membranventil DN15 DIN 0-16 bar



- Materiale: duktilt jern EN-JS 1049 ASTM A395
- Liner: PFA
- Temperatur: -30 °C til +150 °C (-22 °F til +300 °F)
- Norminelt tryk 16 bar / 10 bar / 7 bar
- Flange: DIN EN 558-1 og ISO 5752 serie 1. ISO 7005-2, type B eller borede flanger iht. ASME B16.5 klasse 150,

PRODUKTBESKRIVELSE

Richter PFA Linede Membranventiler

MF/V MVM/F
PFA/PTFE linede membranventiler bliver brugt i corrosive,
pure and ultrapure liquids, gases and vapours in chemical,
pharmaceutical, food and industrial processes.

• Hermetically tight

Fås i mange størrelser fra 1/2" helt op til 8" . Liner i PFA.
Membranventilen kan sidde i mange forskellige miljøer fra -30°C helt op til +150°C.
Trykklassen på ventilen er PN16 fra 1/2" - 2" og PN10 fra 3" og op til 8".
Der kan bestilles en sikkerhedsboks til ventilen, hvis den skal sidde i farlige miljøer eller hvis mediet er skadeligt for miljøet.
Dette gør at man kan justere på ventilen udefra, og man kan bestillet en tilslutning så man kan overvåge ventilen.
Membranventilen kan fås både med manuel eller elektronisk styret pneumatiske aktuator enten "Yoke-style" eller med en kompakt aktuator.

Soft-sealing, gas-tight
Clean-room applications: stainless steel version with PFA lining
for type MV DN 15, 20, 25, 40, 50, 80 (½″, ¾″, 1″, 1½″, 2″, 3″)

Type MV: to ISO 5752-R.1 (DIN 3202 F1), flanges ISO 7005-2,
on request drilled to ASME Cl. 150, BS or JIS
Type MVM: to MSS SP-88, flanges to ASME B16.5 Cl. 150

Kontakt vores produktspecialist, for den mest optimale løsning, til netop dit behov
;

Dimensions, weights, materials

Dimensions (mm) for face-to-face lengths ISO 5752-R 1, MSS SP-88

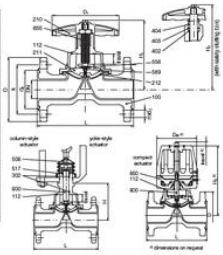
DN		L			D		k		Gk		n x ds						Weight
mm	Inch	ISO	MSS	ISO	MSS	ISO	MSS	ISO	MSS	ISO	MSS	Wt	Hü	N	D1	Hub	kg/m	kg [3]
15	½"	130	–	95	–	65	–	41	–	4xM14	–	103	145	68	95	6,4	2,8	2,8
20	¾"	150	–	105	–	75	–	54	–	4xM16	–	125	180	69	95	12	8	4
25	1"	160	147,5	115	110	85	79,4	64	51	4xM16	de15,9 13UNC	127	183	82	95	12	9	4,4
32	1¼"	Details on request																
40	1½"	200	175	150	127	110	98,4	84	73	4xM19	de15,9	170	229	125,5	160 13UNC	18	22	8,3
50	2"	230	200	165	155	125	120,6	99	92	4xM19	4xM19	177	231	130 11UNC	160	27	36	11,3
65	2½"	Details on request																
80	3"	310	280	200	190,5	160	152,4	134	127	8xM19	4xM19	232	310	172	190	40	85	23
100	4"	350	327	220	153,7	180	190,5	154	157	8xM19	8xM19	254	322	193	230	40	157	32
125	5"	Details on request																
150	6"	480	416	285	279,4	240	241,3	208	212	8xM23	8xM22	378	438	275	350	60	292	62
200	8"	Details on request																

1) Conversion to Cv = kv x 1.165 (US/gpm) or Cv = kv x 0.971 (IMP/gpm)
2) manually actuated, value from ISO face-to-face

Components and materials

Item	Designation		Material
100	Body	Lining	PFA, PFA-L, antistatic on request
		Shell MV (ISO)	Ductile cast iron (EN-JS 1049/ASTM A395 (DN 25-150) ASTM A395 (DN 20-100)* stainless steel 1.4408/CF8 (DN 15-80)
		Shell MVM (MSS)	Ductile cast iron (EN-JS 1049/ASTM A395 (DN 1"- 6")
112	Gonnet		Stainless steel 1.4408/CF8M
210	Hand wheel		Stainless steel 1.4408/CF8M
211	Compressor		Stainless steel
212	Diaphragm		modified PTFE, diaphragm support EPDM
360	Guide ring *		PTFE/carbon
402	Packing ring *		PTFE
404	Packing nut *		Stainless steel
405	Thrust ring *		Stainless steel
506	Travel stop *		Stainless steel
517	Scraper ring *		FKM (e.g. Viton®)
556	Bearing		PTFE/graphite
569	Tube nut		Stainless steel
600	Valve stem **		Stainless steel
800	yoke or column style actuator		acc. to specification
	compact actuator		plastic housing, acc. to specification
852	Stem		Stainless steel
a.M.	Screws, nuts		Stainless steel

* with optional safety stuffing box
** manually actuated version * without OE-tag



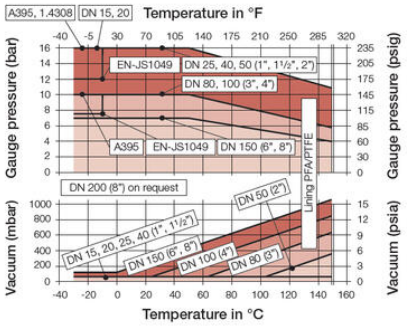
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(p1 is stated at p2 = 0 bar)

DN		bar (psi)										
		1	2	3	4	5	6	8	10	12	14	16
mm	Zoll	(14,5)	(29)	(43,5)	(58)	(72,5)	(87)	(116)	(145)	(174)	(203)	(232)
15	½"	976	1.040	1.105	1.181	1.246	1.311	1.441	1.582	1.712	1.842	1.972
20	¾"	1.370	1.473	1.572	1.676	1.779	1.880	2.085	2.287	2.494	2.697	2.904
25	1"	1.370	1.473	1.572	1.676	1.779	1.880	2.085	2.287	2.494	2.697	2.904
40	1½"	1.598	1.863	2.133	2.398	2.663	2.931	3.463	3.997	4.529	5.073	5.616
50	2"	1.598	1.863	2.133	2.398	2.663	2.931	3.463	3.997	4.529	5.073	5.616
80	3"	2.904	3.645	4.383	5.120	5.861	6.598	8.077	9.556			
100	4"	5.019	6.105	7.190	8.273	9.360	10.446	12.616	14.786			
150	6"	6.665	8.744	10.825	12.907	14.985	17.067					
200	8"	on request										

Other nominal sizes on request. Seating thrusts apply to PFA-lined body and modified PTFE diaphragm. Other materials may result in different thrusts.

Pressure/temperature range



For low-temperature applications please observe the local regulations!

Dimensions, weights, materials

Dimensions (mm) for face-to-face lengths ISO 5752-R 1, MSS SP-88

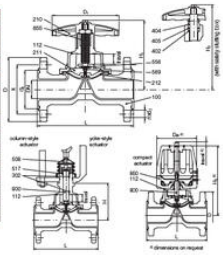
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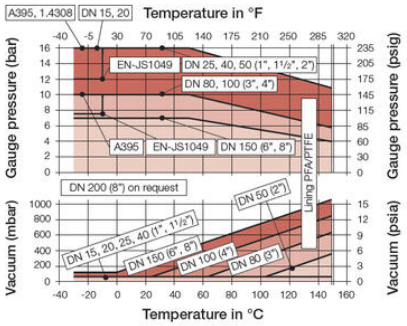
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