



ARI Pressure reducing valve Type 1908 series 701 ductile cast iron flange

Accurate and reliable automatic reducing valve made of ductile cast iron for various industrial applications, with pressure-relief mechanism and sealing via stainless steel bellows.

Characteristics

Type: 1908
Model: Direct-acting
Connection: Flange
Maximum inlet pressure: 6 bar
Medium temperature: -10 / 350 °C
Suitable for gases: Yes
Housing material: Ductile cast iron
Material quality: EN-JS1049
Material disc: 1.4021+QT
Seat material: 1.4021+QT
Membrane material: EPDM
Spring material: Steel
With couplers: No
Backflow preventer: No

Application

- Steam. Gasses. Liquids.

Technical Information

- Fitting instructions: Mount in a horizontal pipe with the diaphragm housing facing downwards. For applications with a temperature above 100°C, the supplied condensate tank must be used. Maximum pressure: 25 bar. Maximum temperature: 350°C. Maximum pressure ratio 25:1. Pressure range 0.2-0.6 bar, actuator DMA 400, spring number 04. Pressure range 0.5-1.2 bar, actuator DMA 250, spring number 04. Pressure range 0.8-2.5 bar, actuator DMA 160, spring number 07. Pressure range 2.0-5.0 bar, actuator DMA 80, spring number 07. Pressure range 4.5-10 bar, actuator DMA 40, spring number 07. Pressure range 8.0-16 bar, actuator DMA 40, spring number 10.

Options

- Different Kvs values [DN15–DN25]. Valve with soft seal (PTFE) [for a gas-tight seal]. Flow divider [for noise reduction]. Secondary spindle seal [prevents hazardous media from escaping into the atmosphere].

DN	A	DMA 40		DMA 80		DMA 160		DMA 250		DMA 400		L	Kvs-value	Max.
[mm]	mm	H	W	H	W	H	W	H	W	H	W	[mm]	[m ³ /h]	dp
		mm	[kg]	[mm]	[kg]	[mm]	[kg]	[mm]	[kg]	[mm]	[kg]			[bar]
15	95	435	17	435	18	440	19	455	21	495	26	130	3,2	25
20	105	435	18	435	19	440	20	455	22	495	27	150	5	25
25	115	440	19	440	20	440	21	460	23	500	28	160	8	25
32	140	440	21	440	22	440	23	460	25	500	30	180	12,5	25
40	150	480	26	480	27	480	28	500	30	540	35	200	20	25
50	165	480	32	480	33	480	34	500	36	540	41	230	32	25
65	185	485	39	485	40	490	41	505	43	545	48	290	50	20
80	200	530	61	530	62	530	63	545	65	585	70	310	80	20
100	235	550	79	550	80	550	81	585	83	610	85	350	125	20
125	270	590	119	590	120	590	121	610	123	650	125	400	190	16
150	300	630	152	630	153	630	154	650	156	690	158	480	280	16

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Temperature[°C]					
PN	-10	120	200	250	300
25	25 bar	25 bar	23bar	21,8 bar	20 bar

Nominal inner diameter	Capacity type	Kvs value m³/h	Reduced pressure range bar	Article
DN15	Standard	3.2	8 / 16	11812581
DN15	Standard	3.2	2 / 5	11812579
DN15	Standard	3.2	0.5 / 1.2	11812577
DN15	Standard	3.2	4.5 / 10	11812580
DN15	Standard	3.2	0.8 / 2.5	11812578
DN15	Standard	3.2	0.2 / 0.6	11812576
DN20	Standard	5	0.5 / 1.2	11812583
DN20	Standard	5	2 / 5	11812585
DN20	Standard	5	0.2 / 0.6	11812582
DN20	Standard	5	8 / 16	11812587
DN20	Standard	5	4.5 / 10	11812586
DN25	Standard	8	0.8 / 2.5	11812590
DN25	Standard	8	8 / 16	11812593
DN25	Standard	8	0.5 / 1.2	11812589
DN25	Standard	8	4.5 / 10	11812592
DN32	Standard	12.5	0.2 / 0.6	11812594
DN32	Standard	12.5	4.5 / 10	11812598
DN32	Standard	12.5	0.5 / 1.2	11812595
DN32	Standard	12.5	2 / 5	11812597
DN32	Standard	12.5	0.8 / 2.5	11812596
DN32	Standard	12.5	8 / 16	11812599
DN40	Standard	20	4.5 / 10	11812604
DN40	Standard	20	8 / 16	11812605
DN40	Standard	20	0.5 / 1.2	11812601
DN50	Standard	32	0.5 / 1.2	11812607
DN50	Standard	32	4.5 / 10	11812610
DN50	Standard	32	8 / 16	11812611
DN50	Standard	32	2 / 5	11812609
DN65	Standard	50	0.5 / 1.2	11812613
DN65	Standard	50	0.8 / 2.5	11812614
DN65	Standard	50	8 / 16	11812617
DN65	Standard	50	2 / 5	11812615
DN65	Standard	50	0.2 / 0.6	11812612
DN65	Standard	50	4.5 / 10	11812616
DN80	Standard	80	2 / 5	11812621
DN80	Standard	80	4.5 / 10	11812622
DN80	Standard	80	0.8 / 2.5	11812620
DN80	Standard	80	8 / 16	11812623
DN80	Standard	80	0.2 / 0.6	11812618
DN80	Standard	80	0.5 / 1.2	11812619
DN100	Standard	125	0.2 / 0.6	11812624
DN100	Standard	125	2 / 5	11812627
DN100	Standard	125	8 / 16	11812629
DN100	Standard	125	4.5 / 10	11812628
DN100	Standard	125	0.8 / 2.5	11812626
DN100	Standard	125	0.5 / 1.2	11812625

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