



Riduttori di pressione

REA20 REAH20 REAC20

The type REA20 is a direct acting pressure reducing valve designed for use of compressible media, such as air and various gases and for incompressible media such as water, oil and others. The valve provides a constant downstream pressure at a stable given inlet pressure and constant running flowrates. Changes in the upstream pressure and fluctuating consumption on the secondary side will result in variations in downstream pressure. The valve is not designed for dead-end services.

Due to carefully selected springs a wide range of pressure applications is available. The pressure reducing valve can be delivered with ductile cast iron, cast steel or stainless steel housings. All important internal parts are manufactured in stainless steel. Depending on the medium the valve can be equipped with soft sealing or metal sealing valves/seats. As option the valves can be equipped with a pressure gauge on the valve body.

Maximum pressure reduction ratio: 25:1

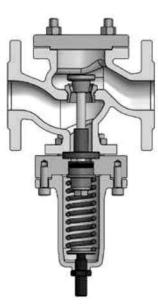


Connection

Flanged EN-DIN1092 ASME B16.5 On request other connections available

Body material

REA20	REAH20
PN16 & PN25	PN40, PN63 & PN100
Ductile cast iron EN-GJS-400-15 (GGG-40, 0.7040)	Cast steel GP240GH (GS-C25, 1.0619)
REAH20-M	REAC20
PN63 & PN100	PN40
Cast steel G17CrMo 5-5 (1.7357)	Stainless steel GX5CrNiMo19-11-2 (1.4408)







Size: DN 125 - 200

Body design conditions

		RE	A20	REAH20			REAH20-M		REAC20
		PN16	PN25	PN40	PN63	PN100	PN63	PN100	PN40
Max. design pressure (MPa)	PMA	1,6	2,5	4,0	6,3	10,0	6,3	10,0	4,0
Max. design temperature (°C)	TMA	350	350	450	400	400	530	530	400
Max. operating pressure (MPa)	РМО	1,6	2,5	4,0	6,3	10,0	6,3	10,0	4,0
Max. operating temperature (°C)	TMO	350	350	400	400	400	530	530	400

Pressure – Temperature rating

PN	Body	Temperature °C										
		-10+50	100	150	200	250	300	350	400	450	500	530
	material				Р	ressu	re MF	a				
16	0.7040	1,6	1,6	1,6	1,5	1,4	1,3	1,1				
25	0.7040	2,5	2,5	2,4	2,3	2,2	2,0	1,8				
40	1.0619	4,0	3,7	3,5	3,1	2,8	2,6	2,4	2,3			
40	1.4408	4,0	3,7	3,4	3,1	2,9	2,8	2,7	2,6			
co	1.0619	6,3	5,9	5,5	4,9	4,5	4,1	3,8	3,6			
63	1.7357	6,3	6,3	6,3	6,3	6,2	5,7	5,3	5,0	4,8	3,8	2,2
100	1.0619	10,0	9,3	8,7	7,8	7,1	6,4	6,0	5,8			
	1.7357	10.0	10.0	10.0	10.0	9.8	9.1	8.4	8.0	7.6	6.1	3.5

Secondary pressure ranges

Secondary pressure range	DN15 - DN40	DN50	DN65	DN80	DN100	DN125 - DN200
MPa		S	oring nur	nber per	size	
0,05 - 0,1	9	28	27	38	37	
0,1 - 0,16	8	27	26	37	36	
0,16 - 0,25	7	26	25	36	35	200
0,25 - 0,4	6	25	24	35	34	On request
0,4 - 0,63	5	24	23	34	33	request
0,63 - 1,0	4	23	22	33	32	
1,0 - 1,6	3	22	21	32	32	