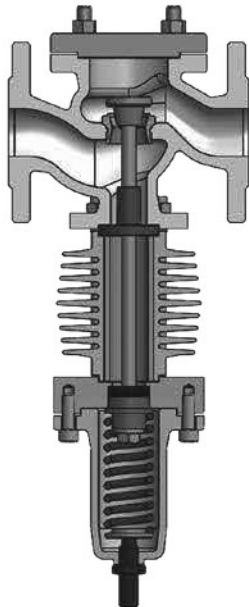
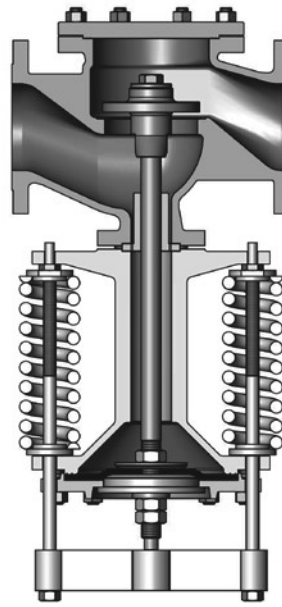


RE20 REH20 REC20

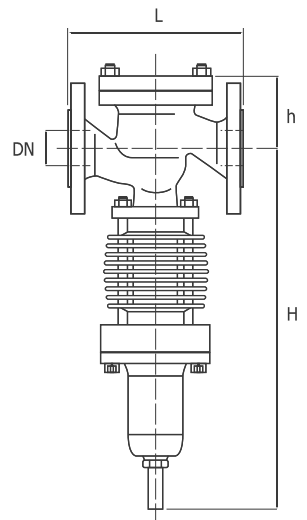
The model RE20 is a direct acting pressure reducing valve designed for use of steam. The valve provides a constant downstream pressure at a stable given inlet pressure and constant running flowrates. Changes in the upstream pressure and fluctuating steam consumption on the secondary side will result 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. As option the valves can be equipped with a pressure gauge on the valve body. Maximum pressure reduction ratio: 25:1



Size: DN 15 – 100

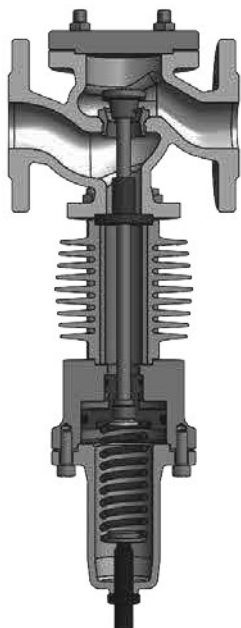


Size: DN 125 – 200

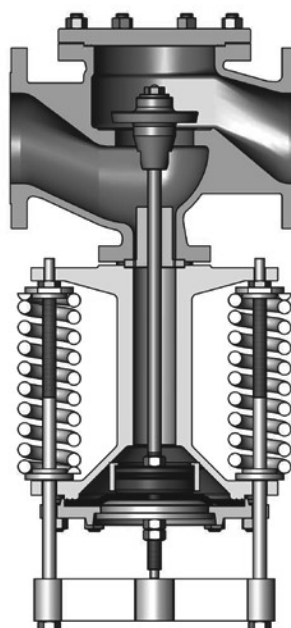


RE20L REH20L REC20L

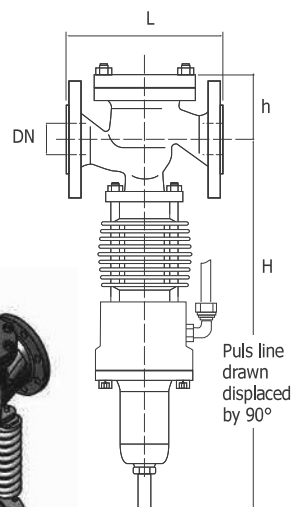
The model RE20L is a pressure reducing valve with a downstream pressure sensing line (pulse line) designed for use of steam. The valve provides a precise downstream pressure even at changing inlet pressures. Due to carefully selected springs a wide range of pressure applications is available. The valve is very well suited to intermittent or fluctuating loads at the secondary side. It doses securely when the load on the secondary side will be zero. 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. As option the valves can be equipped with a pressure gauge on the valve body. Maximum pressure reduction ratio: 25:1



Size: DN 15 – 100



Size: DN 125 – 200



RE20 & RE20L

Body material

RE20 / RE20L	REH20 / REH20L	REH20-M / REH20L-M	REC20 / REC20L
PN16 & PN25	PN40, PN63 & PN100	PN63 & PN100	PN40
Ductile Cast Iron EN-GJS-400-15 (GGG-40, 0.7040)	Cast Steel GP240GH (GS-C25, 1.0619)	Cast Steel G17CrMo 5-5 (1.7357)	Stainless Steel GX5CrNiMo19-11-2 (1.4408)

Body design conditions

		RE20 / RE20L		REH20 / REH20L			REH20-M / REH20L-M		REC20 / REC20L
		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	400	400	400	530	530	400
Max. operating pressure (MPa)	PMO	1,5	2,2	2,8	4,0	6,4	5,7	8,4	2,9
Max. operating temperature (°C)	TMO	350	350	400	400	400	530	530	400

Pressure – Temperature rating

PN	Body material	Temperature °C										
		-10... +50	100	150	200	250	300	350	400	450	500	530
		Pressure MPa										
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			
	1.4408	4,0	3,7	3,4	3,1	2,9	2,8	2,7	2,6			
63	1.0619	6,3	5,9	5,5	4,9	4,5	4,1	3,8	3,6			
	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

Available downstream pressure ranges

Downstream pressure range MPa	RE20 REH20 REC20	RE20L REH20L REC20L
	< 0,05	on request
0,05 – 0,1	✓	✓
0,1 – 0,16	✓	✓
0,16 – 0,25	✓	✓
0,25 – 0,4	✓	✓
0,4 – 0,63	✓	✓
0,63 – 1,0	✓	✓
1,0 – 1,6	✓	on request
> 1,6	on request	on request

Dimensions & Weights

Size (DN)	Model RE20 (REH20, REC20)							Model RE20L (REH20L, REC20L)							Kvs Value
	Dimensions (mm)				Weight (kg)			Dimensions (mm)				Weight (kg)			
	L		H	h	0.7040	1.0619	1.4408	L		H	h	0.7040	1.0619	1.4408	
	PN16-40	PN63-100						PN16-40	PN63-100						
15	130	210	410	82	11,4	12,0	12,0	130	210	435	82	13,0	14,5	14,5	1,8
20	150	230		66	11,4	12,0	12,0	150	230		66	13,0	14,5	14,5	3,2
25	160	230		66	12,5	13,0	13,0	160	230		66	14,5	16,5	16,5	5,0
32	180	260		81	14,5	16,0	16,0	180	260		81	16,0	18,5	18,5	7,9
40	200	260		83	16,0	18,0	18,0	200	260		83	18,0	22,0	22,0	13,0
50	230	300	586	100	35,0	37,5	37,5	230	300	647	100	34,0	37,5	37,5	20,0
65	290	340	615	113	39,5	43,0	43,0	290	340	690	113	45,0	49,0	49,0	34,0
80	310	380	733	140	52,5	58,0	58,0	310	380	828	140	61,0	65,0	65,0	51,0
100	350	430	762	154	68,0	77,0	77,0	350	430	850	154	87,0	91,0	91,0	80,0
125	400		715	210	150,0	155,0	155,0	400		715	210	150,0	155,0	155,0	130,0
150	480		720	235	180,0	190,0	190,0	480		720	235	180,0	190,0	190,0	180,0
200	600		950	285	330,0	385,0	385,0	600		950	285	330,0	385,0	385,0	320,0

Connections: Flanged EN-DIN1092, ASME B16.5

For more information see the special MIYAWAKI leaflet.