

STAINLESS STEEL PRESSURE REDUCING VALVE PRV-S ELITE FOR STEAM

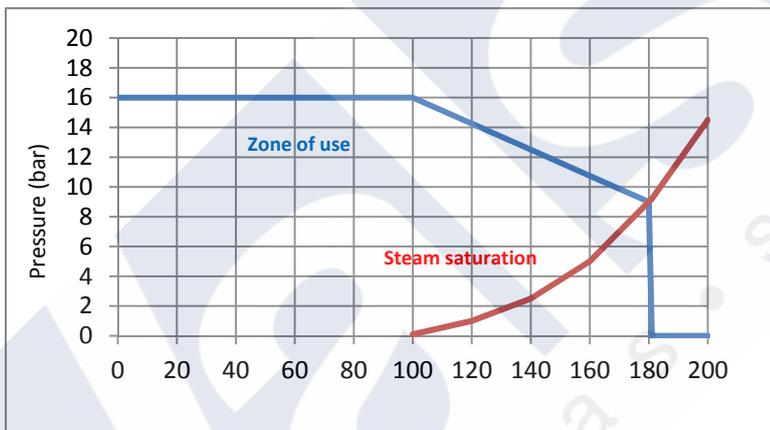
The stainless steel PRV-S valve is intended for the function of pressure reduction for the networks of clean steam. The construction of the valve is in stainless steel with tightness in FPM/PTFE. The setting of the downstream pressure is made by means of the screw. The pressure gauge allows the direct reading of the reduced pressure. The flow is one-way indicated by an arrow on the body. The PRV-S valve suits with compatible fluids free of particles. It must be necessarily protected by a strainer installed upstream.

AVAILABLE MODELS

Diameters DN15 to DN25
BSP screwed end connections or flanges PN16 as EN 1092-1
Downstream pressure range: 1-6 bar to 4-10 bar



Max allowed fluid pressure : PS	16 bar
Max allowed fluid temperature : TS	180°C
Use on saturated steam :	9 bar / 180°C
ΔP minimum :	1 bar
ΔP maximum :	10 bar



Temperature (°C)

Flange type



REGULATIONS AND STANDARDS OF CONSTRUCTIONS

Item	Standard	Item	Standard
Pressure equipment directive 97/23	DN15 to DN25 : A3 § 3 excluded	Conception	ANSI B16.34
Material	ASTM A 182	Test final	API 598
BSP theard	ISO 228	Flanges	EN 1092-1

FLOW COEFFICIENTS Kv (m3/h.)

Size	1/2" – DN 15	3/4" – DN 20	1" – DN 25
Kv	1,4	5,3	6,6

n°	Item	Material	Plan
1	Gauge Ø 63	All stainless steel – 1/4"	
2	Upper cover	Stainless steel 1.4408	
3	U-ring	FPM	
4	Sealing spacer	PTFE	
5	Shaft	Stainless steel 1.4408	
6	Gasket	PTFE	
7	Lower seat	Stainless steel 1.4408	
8	Corps	Stainless steel 1.4408	
9	Sealing spacer	PTFE	
10	U-ring	FPM	
11	Spring	Spring steel	
12	Spring box	Stainless steel 1.4408	
13	Spring washer	Brass	
14	Adjusting screw	Stainless steel 1.4401	

DIMENSIONS (mm)

	DN	H	L	Gaug connection	Weigh (kg)	
BSP screwed end connections	1/2"	80	70	G 1/4"	0,8	
	3/4"	105	85		1,0	
	1"	105	92		1,1	
Flanges	15 155	85	155	G 1/4"	2,0	
	20	105			2,8	
	25	105			5,3	

Flowrate (Kg/h)	Pressure downstream (bar)	Pressure upstream (bar)	3	4	5	6	8	10	12
			1	1/2"	50	67	84	100	134
1	3/4"	190	254	318	381	508	636	763	
	1"	230	307	384	460	614	768	921	
	2	1/2"	50	67	94	100	134	168	201
2	3/4"	187	250	318	381	508	636	763	
	1"	225	302	384	460	614	768	921	
	3	1/2"		61	84	100	134	168	201
3	3/4"		233	318	381	508	636	763	
	1"		281	384	460	614	768	921	
	4	1/2"			72	100	134	168	201
4	3/4"				271	373	499	636	763
	1"				327	451	603	768	921
	6	1/2"					134	168	201
6	3/4"						465	635	749
	1"						562	767	905
	8	1/2"						168	201
8	3/4"							542	747
	1"							654	902

TABLE OF FLOWRATE STEAM (kg/h.)