



Stainless Steel Relief Valves

Part No. PS-SSS

Full Lift Stainless Steel Relief Valves



These all stainless steel safety and relief valves are suitable for most general applications where a safety device is required on pipelines, pumps and vessels to relieve excess pressure and help prevent ruptures and water hammer.

The adjustable pressure range allows setting of various relief pressures simply by screwing the adjustment screw clockwise or anti-clockwise.

The valves are supplied from factory, set to required pressures and sealed with wire locked lead seal.

Part Numbers

PS-SSS – 1/2" / PS-SSL – 1/2"
1/2" BSPM x 1" BSPF Connections

PS-SSS – 3/4" / PS-SSL – 3/4"
3/4" BSPM x 1" BSPF Connections

PS-SSS – 1" / PS-SSL – 1"
1" BSPM x 1" BSPF Connections

Set Pressure Range: 100 – 2000 kPa

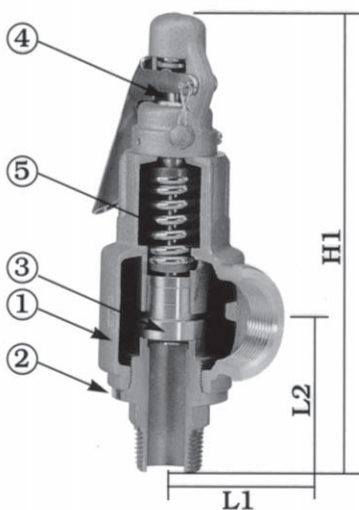
Temperature Range : 100 – +200°C

General Material

Part No.	Name	Material	Quantity
1	Valve Body	SS-316	1
2	Valve Seat	SS-316	1
3	Disc	SS-316	1
4	Stem	SS-304	1
5	Spring	SS-304	1

Dimensions

Nominal Size			Lift	P1	P2	D	L1	L2	H1	Weight Kg
P1	D	P2								
1/2"	14.5	1"	2.5	1/2"	1"	21	40	66	180	1.2
3/4"	21	1"	3.2	3/4"	1"	21	40	66	180	1.2
1"	25	1"	4.8	1"	1"	21	40	66	180	1.2



Flow Charts for PS Series Valves

Set Pressure kPa	Air - m ³ /hr@20°C 10% Overpressure			Water - lpm@20°C 25% Overpressure		
	1/2"	3/4"	1"	1/2"	3/4"	1"
50	17	26	29	11	15	16
100	23	36	40	16	21	22
150	29	46	52	20	26	27
200	35	55	62	22	30	31
250	42	65	74	25	34	35
300	47	74	85	27	36	38
350	54	84	96	30	40	42
400	60	94	106	32	42	44
500	72	113	129	36	47	49
600	84	132	151	39	51	54
700	97	152	173	42	55	58
800	109	171	195	45	59	62
900	121	190	218	47	63	66
1000	134	210	240	50	66	70
1200	159	250	285	55	73	77
1400	183	289	330	59	79	83
1600	208	328	374	63	84	88
1800	233	366	418	67	89	94
2000	258	405	462	71	94	99

