

Description

The SV1 type is a pop screwed safety valve suitable for Steam and Hot water.

Limiting Conditions

Body Design Condition	PN6
Maximum Design Temperature	125 °C
Maximum Cold Hydraulic Test Pressure	150 psi
Maximum Allowable Pressure	30 psi
Minimum Allowable Pressure	10 psi



Operating Range

10 to 30 psi by the order.

Note: 20 psi set pressure is always available. The other pressure sets will be available by the order.

Sizes and Pipe Connections

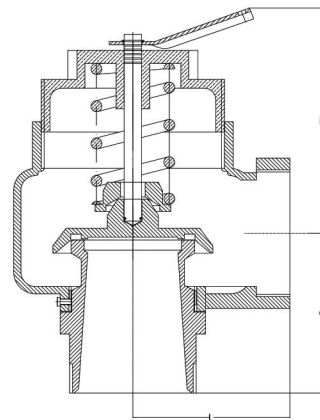
Inlet PT 3", Male (DIN 2999).

Outlet PT 3", Female (DIN 2999).

Dimensions / Weights (Approximate) mm and kg

Connection		L	G	H	Weight
Inlet	Outlet				
3"	3"	110	110	120	9

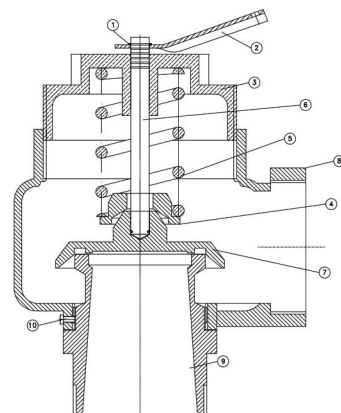
Constructions are a bit different according to the sizes.



POP Safety Valves - SV1

Materials

No.	Part	Material
1	Retaining Rings	C.S.
2	Lever	C.S.
3	Bonnet	Brass
4	Spring Washer Down	Gray Cast
5	Spring	Cadmium Plated
6	Spindle	AISI 316
7	Disc	AISI 316
8	Body	GG 25
9	Seat	AISI 316
10	Pertaining Rings	AISI 304



Safety Valves Capacities for Steam (kg/h)

Size	Set pressure psi				
	10	15	20	25	30
3"	1550	1750	2000	2250	2500

Installation

The safety valve should always be fitted with the center line of the spring housing vertically above the valve.

Note: The condensed drain must be fitted.

How to Order

Example: SV1 – 3", Set Pressure 20 psi.