

## 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

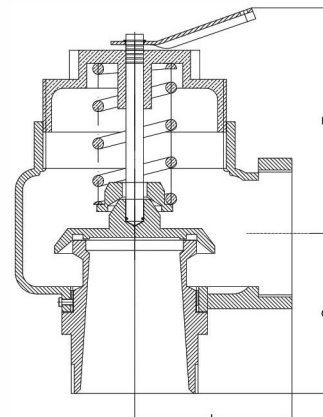
Inlet PT 3", Male (DIN 2999).

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 the sizes.





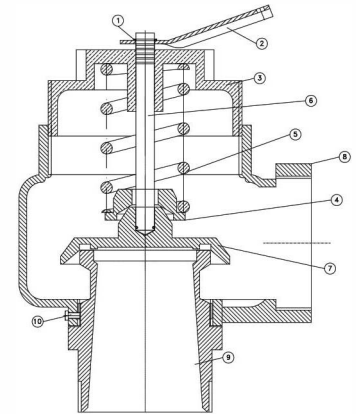
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E.S.E. Valve Co.

## 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.

Design and specification are subject to change without notice