



SAFECON

SAFETY / THERMAL RELIEF VALVE

SC-1100

SC-1000

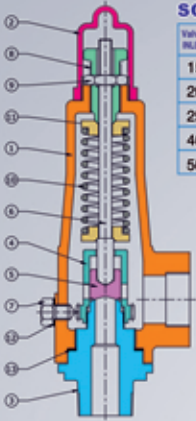


An ISO 9001:2008 Certified Company

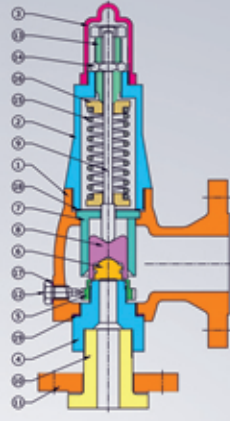
High Efficiency And Better Performance



“SAFECON - Series SC – 1000 & SC – 1100” SAFETY & THERMAL RELIEF VALVES are designed and manufactured in compliance with API / ASME Section VIII – Division I for small and medium capacity application for use on vapor, gas and liquid for over pressure protection.



SC-1100		Dimension (mm)			
Valve Size(mm) INLET x OUTLET	A ^{±0.0}	B ^{±0.0}	C ^{±0.0}	(Approx) Weight(kg)	
15 x 25	55	92	267	4	
20 x 25	55	92	267	4	
25 x 25	55	92	267	4	
40 x 50	67	92	322	7	
50 x 50	67	92	322	7	



SC-1000		Dimension (mm)			
Valve Size(mm) INLET x OUTLET	A ^{±0.0}	B ^{±0.0}	C ^{±0.0}	(Approx) Weight(kg)	
15 x 25	105	116	300	7	
20 x 25	105	116	300	7	
25 x 25	105	116	300	7	
25 x 40	105	116	300	8.5	
40 x 50	110	130	366	15	
50 x 50	110	130	366	15	

MATERIAL SPECIFICATION SC-1100

SR.NO.	PART NAME	MATERIAL
1	BODY	ASTM A 216 GR. WCB
2	CAP	ASTM A351 GR. CF8/CF8M
3	NOZZEL	ALLOY STEEL
4	NOZZEL RING	ASTM A351 GR. CF8/CF8M/SS 410
5	DISC	ASTM A351 GR. CF8/CF8M
6	STEM	SS 304/SS 316 /SS 410
7	LOCK SCREW	SS 304/SS 316 /SS 410
8	ADJUSTING SCREW	SS 304/SS 316 /SS 410
9	ADJUSTING SCREW NUT	SS 304/SS 316 /SS 410
10	SETTING SPRING	SP. STEEL/CS/SS/ALLOY STEEL
11	SPRING WASHER	M.S./SS 304/SS 316/SS 410
12	GASKET (LOCK SCREW)	CAF/GRAPHITE/PTFE
13	GASKET (NOZZEL)	CAF/GRAPHITE/PTF

MATERIAL SPECIFICATION SC-1000

SR.NO.	PART NAME	MATERIAL
1	BODY	ASTM A 216 GR. WCB
2	BONNET	ASTM A351 GR. CF8/CF8M
3	CAP	ALLOY STEEL
4	NOZZEL	ASTM A351 GR. CF8/CF8M/SS 410
5	NOZZEL RING	ASTM A351 GR. CF8/CF8M
6	DISC	SS 304/SS 316 /SS 410
7	DISC GUIDE	SS 304/SS 316 /SS 410
8	DISC HOLDER	SS 304/SS 316 /SS 410
9	STEM	SS 304/SS 316 /SS 410
10	COLLAR	ASTM A351 GR. CF8/CF8M/SS 410
11	INLET FLANGE	A105/SS 304/SS 316
12	LOCK SCREW	SS 304/SS 316/SS 410
13	ADJUSTING SCREW	SS 304/SS 316/SS 410
14	ADJUSTING SCREW NUT	SS 304/SS 316/SS 410
15	SETTING SPRING	SP. STEEL/CS/SS/ALLOY STEEL
16	SPRING WASHER	M.S./SS 304/SS 316
17	GASKET (LOCK SCREW)	CAF/GRAPHITE/PTFE
18	GASKET (GUIDE)	CAF/GRAPHITE/PTFE
19	GASKET (NOZZEL)	CAF/GRAPHITE/PTFE

DESIGN FEATURES & BENEFITS :-

- Thermal expansion to API 520
- Rugged Construction (Investment Casting)
- Replacable Nozzel & Easy maintenance procedure
- Soft seating arrangement for tight shut-off
- Stellited trims for High Pressure and Temperature
- Safe and Reliable performance
- The material selection of guiding components with self aligning disc ensure no gailing of guiding surface.

(1) Trims

This valves have been design with metal trims give right performance at higher pressure and temperature. Trims are also provided with soft sealing for bubble tight shut off.

(2) Guiding Area

The material Selection of guiding components with Self aligning disc ensure no gailing of guiding surface.

(3) High performance Spring

The perfect design and material ensure the repeatability of the Set Point.

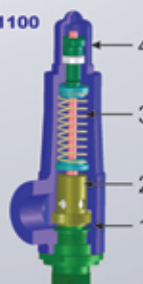
(4) Accessories

Optional Accessories are available to suit the system requirement comply with International codes.

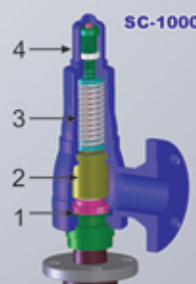
TECHNICAL DATA:

- Conventional · Metal or soft seated
- Pressure limits : 350 barg
- Sizes : 1/2" x 1" to 2" x 2"
- Pressure Rating Up to 2500 Class

SC-1100



SC-1000



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