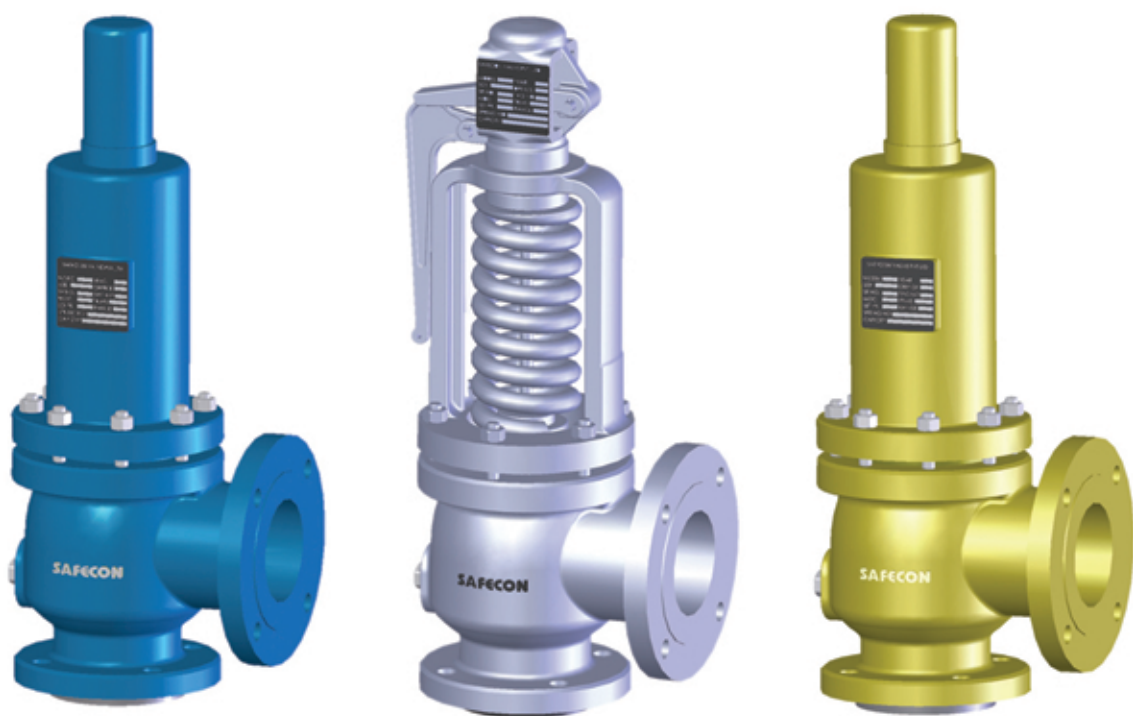




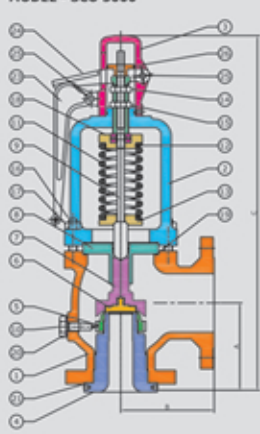
High Efficiency And Better Performance SAFETY / PRESSURE RELIEF VALVE



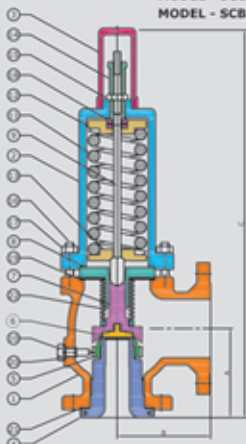
An ISO 9001:2008 Certified Company

"SAFECON - Series SC - 5000" SAFETY /PRESSURE RELIEF VALVES are designed and manufactured in compliance with API 520 / ASME Section VIII – Division I for High performance application for use on vapor, gas and liquid for over pressure protection. This conventional Safety / Pressure Relief Valves are versatile, safe & interchangeable .

MODEL - SCO 5000



MODEL - SCC 5000
MODEL - SCB 5000



DIMENSION (mm)

VALVE SIZE (mm) INLET x OUTLET	A ^{±0.0}	B ^{±0.0}	C ^{±0.0}	Approx Weight (Kg)
25 x 50	105	115	456	18
40 x 50	124	120	490	23
40 x 80	126	124	560	28
50 x 80	133	124	575	32
80 x 100	155	165	674	62
100 x 150	181	229	930	130
150 x 200	240	241	1180	210
150 x 250	240	266	1180	250
200 x 250	276	280	1370	325
250 x 350	385	395	1600	950

MATERIAL SPECIFICATION

Sr. NO.	PART NAME	MATERIAL
1	BODY	ASTM A216 GR.WCB
2	BONNET	ASTM A351 GR.CF8/CF8M
3	CAP	ASTM A216 GR.WCB/SG IRON
4	NOZZEL	ASTM A351 GR.CF8/CF8M/CA 15
5	NOZZLE RING	ASTM A351 GR.CF8/CF8M
6	DISC	SS 304/SS 316 /SS 410
7	DISC HOLDER	ASTM A351 GR.CF8/CF8M
8	GUIDE	ASTM A351 GR.CF8/CF8M
9	STEM	SS 304/SS 316 /SS 410
10	LOCK SCREW	SS 304/SS 316 /SS 410
11	SETTING SPRING	SS 304/SS 316/ALLOY STEEL
12	UPPER SP. WASHER	M.S./SS 304/SS 316
13	LOWER SP. WASHER	M.S./SS 304/SS 316
14	ADJUSTING SCREW	SS 304/SS 316 /SS 410
15	ADJ. SCREW NUT	SS 304/SS 316 /SS 410
16	STUDS	H.T./SS 304/SS 316
17	NUTS	H.T./SS 304/SS 316
18	THRUST BEARING	STANDARD
19	GASKET (BODY)	CAF/GRAPHITE/PTFE
20	GASKET (LOCK SCREW)	CAF/GRAPHITE/PTFE
21	GASKET (NOZZLE)	CAF/GRAPHITE/PTFE
22	BELLOW (SCB 5000)	SS 316/SS 316L/INCONEL
23	LEVER	ASTM A216 GR.WCB/SG IRON
24	FORK	ASTM A216 GR.WCB/SG IRON
25	LEVER & FORK PIN	M.S./SS 304/SS 316
26	STEM NUT	M.S./SS 304/SS 316

TECHNICAL DATA:

- Conventional
- Metal seat
- Sizes : from 1/2" to 10"
- Material : Carbon, alloy, stainless steel and Super alloy Steel.

OPTIONAL FEATURES :

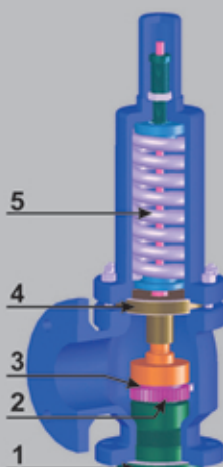
- Soft seating arrangement for tight shut-off
- Open bonnet till L orifice
- Packed Lever
- Test Gag
- Bellows arrangement to prevent back pressure effect

DESIGN FEATURES & BENEFITS :-

- Rugged Construction
- Replacable Nozzle & Easy maintenance procedure
- Soft seating arrangement for tight shut-off
- Stellite trims for High Pressure and Temperature
- High Efficiency And Better Performance
- The material selection of guiding components with self aligning disc ensure no galling of guiding surface.
- High Efficiency Spring

APPLICABLE CODE/ STANDARDS

- ASME BPVC Section VIII Division I
- API 520/ API 526 / API 527
- ASME B 16.34
- ASME B 16.5



(1) **Nozzle Design** :- The Nozzle is Pressure parts & in continuously contact with the flow media in both the condition, it so design and attached with the body to avoid transmission of pipe stresses to the contact surface.

(2) **Adjustable Blow Down** :- The blow down or reset pressure can be simply adjusted to meet the special or specific performance requirements by means of a single adjusting ring.

(3) **Trims** :- Specific trims design & precise machined components are ensures the performance of the valve under critical applications without trouble free long life.

(4) **Guiding Area** :- The material selection of guiding components, together with a self-aligning disc and spindle pivot point, ensures correct alignment and no gelling of guiding surface

(5) **High Performance Spring** :- Design accuracy and selection of spring ensure the repeat-ability of the set pressure.

Bellows:- Ensure correct valve performance under difficult back pressure conditions.

Seat Leakage integrity :- Selection of nozzle and disc materials with precise lapping gives positive shutoff comply with relevant standard and prevents loss of flow media.