

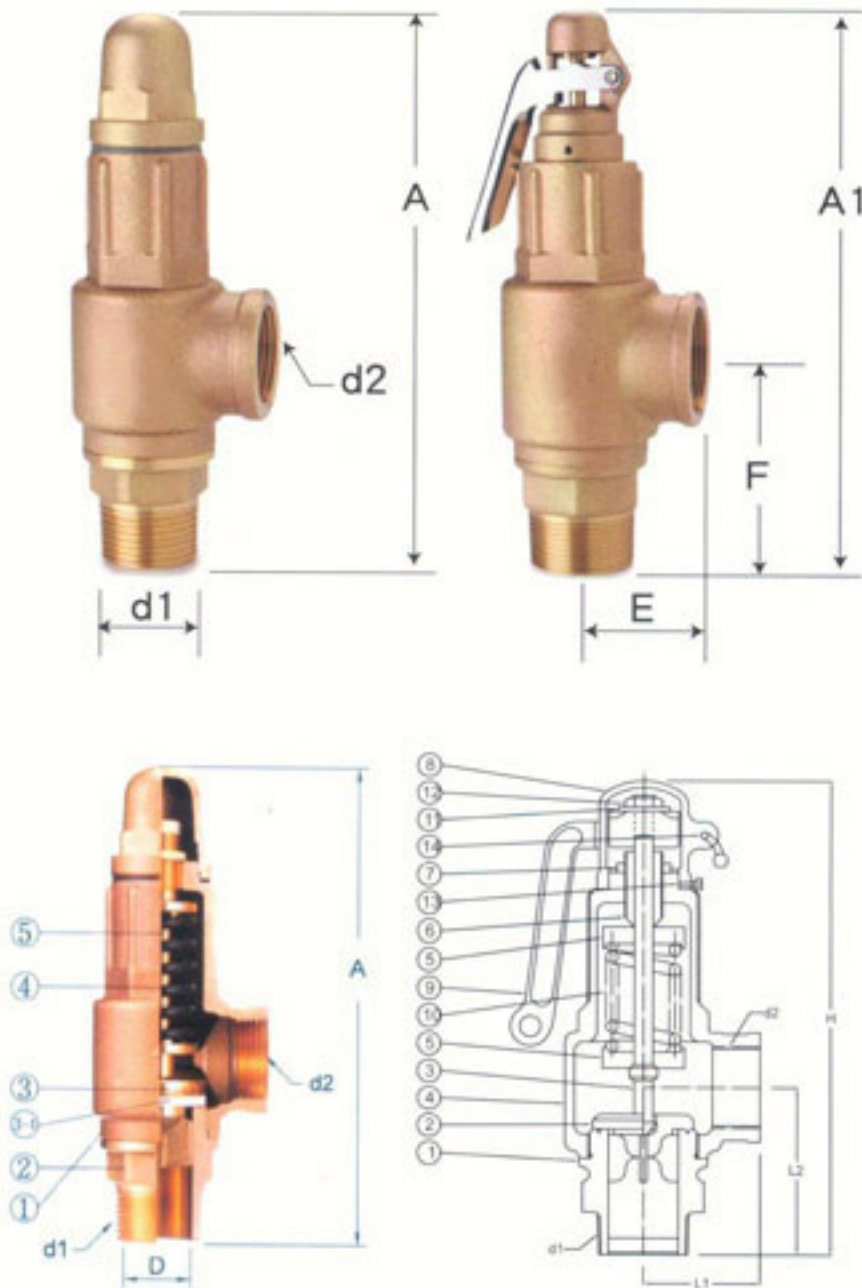
**MODEL:**

**SV-B27 / SVP-B27 WITHOUT LEVER**  
**SV-B29 / SVP-B29 WITH LEVER**

**SV-B27/SV-B29 optional Pressure: 10.5~20 kgf/cm<sup>2</sup>**  
When placing order, please indicate **Working Pressure**

The Disc can be replaced with PTFE for good effect of anti-leakage. (Model: SVP-B27, SVP-B29)

Working Fluid	SV-B27/SV-B29/SVP-B29 Non-Corrosive Gas, Air, Steam. SVP-B27 (without lever) Non-Corrosive Gas, Liquid, Air, Steam, Water, Oil.
Working Temp.	-45°C ~ 185°C
Working Pressure	SV-B27 / SV-B29 0.3 ~ 10 kgf/cm <sup>2</sup> , 11 ~ 20 kgf/cm <sup>2</sup> SVP-B27 / SVP-B29 (PTFE) 3 ~ 10 kgf/cm <sup>2</sup>
Thread End	BSPT (BS21), NPT (ANSI B2.1)



**Material**

No. / Part	W/O Lever	SV-B27(S3W-A)	SVP-B27
	With Lever	SV-B29(S3W-LR)	SVP-B29
	Type	METAL TO METAL	PTFE
1	Valve Seat	FORGE BRASS	FORGE BRASS
2	Valve Disc	FORGE BRASS	FORGE BRASS
3	Valve Spindle (Stem)	FORGE BRASS	FORGE BRASS
3-1	Valve Seal	—	PTFE
4	Valve Body	BRONZE	BRONZE
5	Spring Shoe	BsBM	BsBM
6	Adjusting Screw	BsBM	BsBM
7	Stop Nut	BsBM	BsBM
8	Cap	FORGE BRASS	FORGE BRASS
9	Lever (Type B29)	STEEL	STEEL
10	Spring	SWOSC-V	SWOSC-V
11	Screw Washer	BsBM	BsBM
12	Hexagon Nut	BsBM	BsBM
13	Stop Bolt	BsBM	BsBM
14	Pin	BsBF	BsBF

This type of safety valve is characterized by regulating of pressure in valve rising and blowing-out when actuated and is the smallest and lightest valve, and also can be used in non-corrosive gases (air, oxygen, nitrogen, etc.) steam and liquids, such as water and oil. The sizes shown in the chart are subject to change without notice.

Nominal Diameter	Valve Seat Diameter D	Lift ℓ	Effective Area mm <sup>2</sup>			L1 E	L2 F	Fitting Screw		Close Type		Lever Type	
			2.22DI	π D I	0.785D <sup>2</sup>			Inlet d1	Outlet d2	A <sup>mm</sup>	Wt.	A1 <sup>mm</sup>	Wt.
12	12	0.52	13.32	18.84	113.0	29	50	PT 1/2	PF 1/2	138	0.52	161	0.59
19	19	0.76	32.05	45.36	283.3	36	58	PT 3/4	PF 3/4	150	0.66	172	0.74
25	25	1.00	55.50	78.53	490.6	40	70	PT 1	PF 1	180	1.09	202	1.19
32	32	1.28	90.93	128.67	803.8	50	82	PT 1.1/4	PF 1.1/4	206	1.90	222	1.94
38	38	1.52	128.22	181.45	1133.5	54	93	PT 1.1/2	PF 1.1/2	231	2.35	246	2.39
50	50	2.00	222.00	314.15	1962.5	67	102	PT 2	PF 2	265	3.85	282	4.11