

SAFETY VALVE



**High capacity
Low blow down**

**Steam, Gas,
Air & Liquid**



**IBR
APPROVED**

Application :

Steam Boilers
Generators
Lines
Unfired Vessels
Intercoolers
Receivers



H.P. Valves Mfg. Co.

Ahmedabad, India

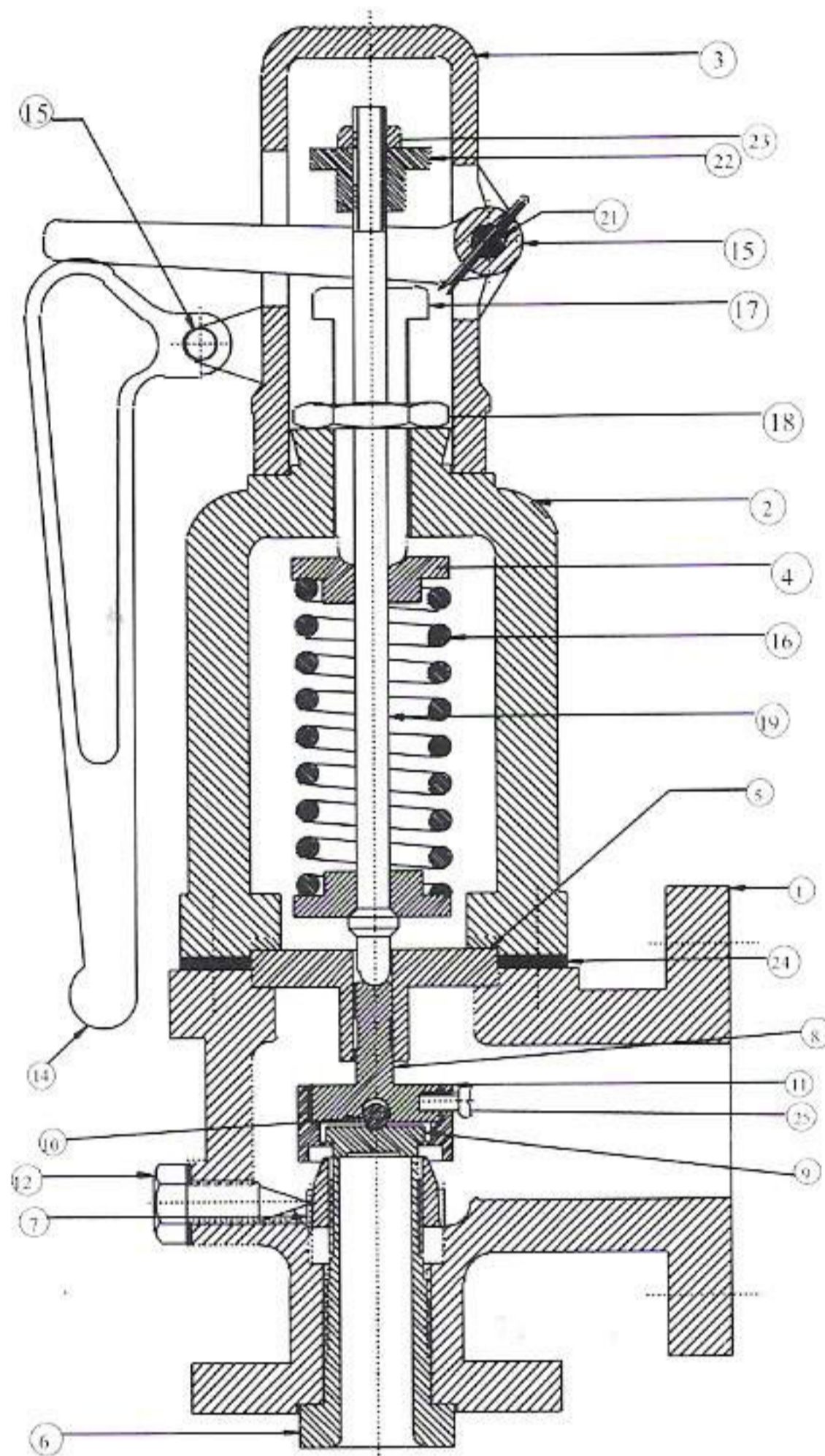
SAFETY VALVE



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DESIGN FEATURES

- ☞ MANUFACTURING STANDARD : API - 526
- ☞ TESTED AS PER : API 527
- ☞ ENDS FLANGED (DRILLED & UNDRILLED) AS PER ANSI B 16.5 CLASS- 150 R.F.
- ☞ BODY HYDROSTATIC TEST PRESSURE TWICE THE SET PRESSURE
- ☞ SET PRESSURE 1 Kg/cm² TO 21 Kg/cm²
- ☞ TEMPERATURE- 425°C



- ☞ **IBR APPROVED** WITH DISCHARGE CAPACITY CONSTANT OF '24'
- ☞ ACCURATE SPRING DESIGNS TO ACHIEVE BLOW DOWN WITHIN 5% WHICH SAVES WASTAGE OF STEAM.
- ☞ SOFT SEATED SAFETY RELIEF VALVES ARE USED FOR LOW TEMPERATURE AND CRITICAL APPLICATION

WHILE ENQUIRY PLEASE SPECIFY

- ☞ SET PRESSURE
- ☞ FLOW MEDIUM
- ☞ FLOW RATE

MATERIAL OF CONSTRUCTION

SR. NO.	PARTS	MATERIAL	QTY.
25	SCREW	S.S. 304	1
24	GASKET	Graphite	1
23	SPINDLE NUT	M.S.	1
22	SPINDLE WASHER	S.S. 304	1
21	PIN	S.S. 304	1
20	LEVER ADJUSTING WASHER	S.S. 304	1
19	SPINDLE	S.S. 304	1
18	SETTING NUT	AISI 410	1
17	SETTING SCREW	AISI 410	1
16	SPRING	SPRING STEEL	1
15	LEVER PIN	AISI 316	1
14	LEVER	C.I.	1
13	FORK	C.I.	1
12	POPING RING SCREW	S.S. 304	1
11	SEAT HOLDER	AISI 316	1
10	BALL	AISI 316	1
9	VALVE SEAT	AISI 316	1
8	DISC HOLDER	AISI 316	1
7	POPING RING	S.S. 304	1
6	NOZZLE	AISI 304	1
5	GUIDE	AISI 304	1
4	SPRING WASHER	M.S.	2
3	CAP	C.I.	1
2	BONNET	ASTMA 216 GRWCB	1
1	BODY	ASTMA 216 GRWCB	1

TECHNICAL PARAMETERS

Valve Size	Orifice Code	Orifice Dia (mm)	A	B	C	Min. Valve Liff(mm)
25 x 50	D	9.5	105	114.5	470	3.0
25 x 50	E	12.5	105	114.5	470	4.0
25 x 50	G	23.0	105	114.5	470	6.0
40 x 50	F	16.0	124	120.5	520	4.0
40 x 65	G	23.0	124	120.5	530	5.0
40 x 80	H	28.0	130	124.0	530	7.0
40 x 80	J	32.5	130	124.0	575	8.0
50 x 80	H	28.0	133	124.0	530	7.0
50 x 80	J	32.5	133	124.0	575	8.5
65 x 100	J	32.5	136.5	143.0	595	8.5
80 x 100	K	41.5	155.5	162.0	690	10.5
80 x 100	L	50.0	155.5	165.0	690	13.5
100 x 150	P	72.5	181.0	228.5	900	18.5
100 x 150	Q	95.5	181.0	228.5	900	25.0
150 x 200	Q	95.5	239.5	241.5	1445	25.0
150 x 200	R	115.0	239.5	241.5	1445	30.0
200 x 250	T	146.0	276.0	279.5	1500	37.0

Mfg. by
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