

# Type YSF-3 Safety Valve (Open Bonnet Type, Full Bore Type) Steam Boiler



## ■ Features

- No instability in high temperatures : The maximum operating temperature of 450°C so that YSF-3 can be used without any changes in spring characteristics commonly occur in high temperatures.
- High impact resistance and good abrasion resistance : The disc and seat are stainless steel welded with satellite.
- Simple structure reduces maintenance costs & offers outstanding performance.
- High-strength stainless steel inner core components.
- Test lever attached : Periodical performance inspections can be conducted.
- Approval from the Korea Occupational Safety and Health Agency (KOSHA).

## ■ Specifications

Type		YSF-3 (Open Bonnet)
Test lever		Yes
Applicable fluid		Steam
Set pressure range		1~30kg/cm <sup>2</sup> g
Fluid temperature		350° C
End connection	Inlet	KS B 6216 10, 20, 30K RF FLANGE
	Outlet	KS B 1511 10K FF FLANGE
Materials	Body	SCPH2
	Disc, seat	STS (Stellite welding)
Hydraulic test pressure		1.5 times of applicable flange rating

▶ The JIS and ANSI flanges are available by made-to-orders.

## ■ Dimensions

Size Inlet×Outlet	Seat diameter	Throat diameter	Throat area	Lift	Face to Face		Height(h)	Weight(kg)
					L1	L2		
25(1")X40(1½")	22	19	283.5	5.0	115	100	320	15.2
40(1½")X65(2½")	35	30	706.8	7.5	130	125	425	28.6
50(2")X80(3")	45	38	1134.1	9.5	141	135	465	42.7
65(2½")X100(4")	58	49	1885.7	12.5	161	160	560	64
80(3")X125(5")	71	61	2922.5	15.5	179	180	630	89
100(4")X150(6")	88	76	4536.5	19.0	209	205	795	143
125(5")X200(8")	111	95	7088.2	24.0	232	240	1010	290
150(6")X200(8")	134	115	10386.9	29.0	262	250	1110	342
200(8")X250(10")	176	152	18145.8	38.0	355	300	1415	684

## ■ Dimensional drawing

