

YSF-3 Type 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).



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Specifications

Type		YSF-3 (Open Bonnet)
Test lever		Yes
Applicable fluid		Steam
Set pressure range		0.1~3.0 MPa
Fluid temperature		350°C
End connection	Inlet	inlet 10, 20, 30K RF FLANGE
	Outlet	KS B 1511 10K FF FLANGE
Materials		Body SCPH2
Disc, seat		SCS13(Stellite welding)
Hydraulic test pressure		1.5 times of applicable flange rating

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

Dimensions

(mm)

Size Inle tX Outlet	Seat diameter	Throat diameter	Throat area(mm ²)	Lift	Face to Face		Heigh(H)	Blow off rate(kg/h)	Weight(kg)
di X do	ds	dt	A	L	L1	L2	H	W	YSF-3
25(1")X40(1½")	22	19	490.9	5.0	115	100	320	864	15.2
40(1½")X65(2½")	35	30	1256.6	7.5	130	125	425	2213	28.6
50(2")X80(3")	45	38	1963.5	9.5	141	135	465	3457	42.7
65(2½")X100(4")	58	49	3318.3	12.5	161	160	560	5843	64
80(3")X125(5")	71	61	5026.5	15.5	179	180	630	8851	89
100(4")X150(6")	88	76	7854.0	19.0	209	205	795	13830	143
125(5")X200(8")	111	95	12271.8	24.0	232	240	1010	21609	290
150(6")X200(8")	134	115	17671.5	29.0	262	250	1110	31117	342
200(8")X250(10")	176	152	31415.9	38.0	355	300	1415	55319	684

Dimensional drawing

