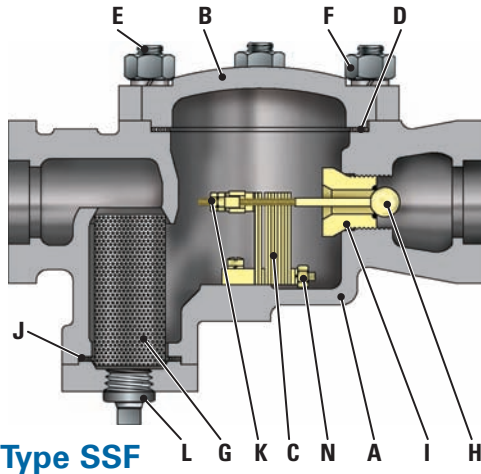


VELAN BIMETALLIC SSF STEAM TRAPS



Type SSF

STANDARD MATERIALS

PART	MATERIALS
A	Body Cast carbon steel WCB (C. Max. 0.25)
B	Cover Carbon steel
C	Bimetal element Truflex GB-14
D	Cover gasket S/S 321 spiral wound with graphite filler
E	Cover stud Chrome moly. alloy B7
F	Cover nut Carbon steel 2H
G	Strainer Stainless steel
H	Stem and ball Ss, ball valve 58Rc
I	Seat SS hardfaced Stellite 6
J	Strainer cover gasket S/S 321 spiral wound with graphite filler
K	Adjusting nut and locknut Stainless steel
L	Strainer blow down plug Carbon steel
M	Fixing screw and washer Stainless steel

APPLICATIONS

For draining: oil storage tank coils, acid stills, purifiers, feed water heaters, flush tanks, separators, vacuum pans, heat exchangers, high pressure process equipment, high pressure main lines and general industrial service in medium to high pressure/temperature applications with high condensate discharge rates. Widely used in power, petroleum and chemical plants, marine service and steel industries to meet safety requirements.

ENGINEERING DATA

PRESSURE RANGE ⁽²⁾ psi/bar	PMO psi/bar	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
0-125 (0-8.5)	125 (8.5)	WCB	850 ⁽¹⁾ 454	1	5,750
125-200 (8.5-14)	200 (14)			25	2,608
200-400 (14-28)	400 (28)			7/8	6,400
400-600 (28-42)	600 (42)			22	2,903
				9/16	5,300
				14	2,409
				1/2	5,200
				12.7	2,360

(1) Permissible, but not recommended for prolonged use above 800°F (427°C).

(2) Pressure range indicated in the above table is the preferred operating range, however the trap is functional from Ops to its maximum operating pressure.

CONNECTIONS

- Screwed
- Socketweld
- Butt weld
- Flanged

Maximum body design condition: ANSI/ASME 400

PMA = Maximum allowable pressure: 990psi@100°F (68bar.g@38°C)

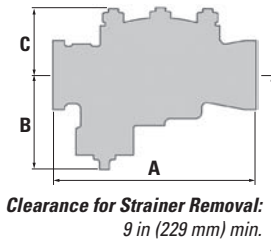
TMA = Maximum allowable temperature: 800°F (427°C)

Maximum cold hydrostatic test pressure: 1500psi.g (103bar)

TMO = Maximum operating temperature = TMA

PMO = Maximum operating pressure: (See Table)

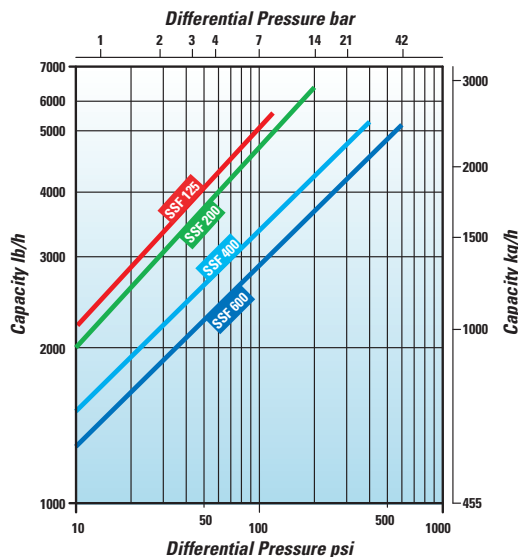
DIMENSIONS & WEIGHTS



Clearance for Strainer Removal:
9 in (229 mm) min.

TYPE	SIZE in/mm	A FACE TO FACE			B CENTER TO BOTTOM	C CENTER TO TOP	WEIGHT lb/kg		
		SCR/SW	BW	FLG			SCR/SW	BW	FLG
SSF 125	2 50								
SSF 200	1 1/2 40	11	17	14 1/4	5 3/8 137	3 1/2 89	30 14	33 15	40 18
SSF 400	2 50								
SSF 600	2 50								

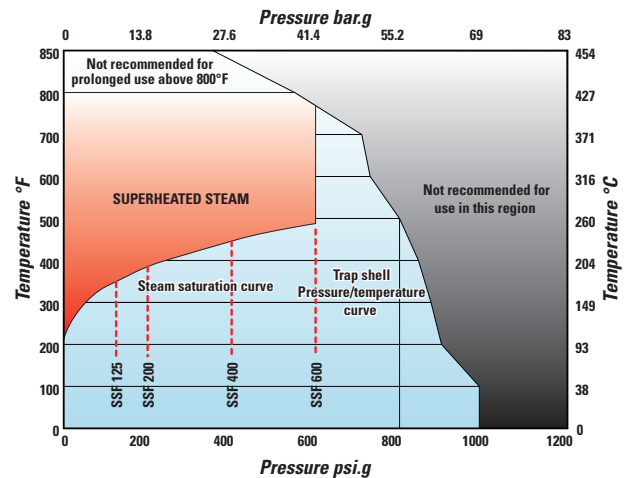
CONDENSATE CAPACITY



Maximum cold water capacity x 3.5

The performance graph indicates the continuous discharge capacities of condensate per hour at various pressure differentials across the trap.

PRESSURE / TEMPERATURE LIMITS



----- Pressure limit for trap type