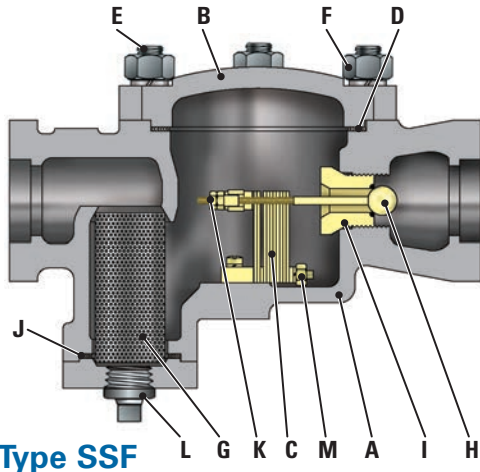


# VELAN BIMETALLIC SSF STEAM TRAPS



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 SS 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 CoCr alloy
J	Strainer cover gasket SS 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

Boiler headers, steam mains, branch lines, steam separators, oil storage tank coils, purifiers, de-superheater drains, reboilers, feed water heaters, heat exchangers and cold reheat drains.

## CONNECTIONS

- Screwed
- Socket-weld
- Butt-weld
- Flanged

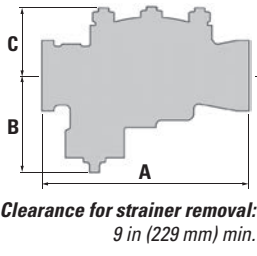
## ENGINEERING DATA

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

Maximum body design condition: ANSI/ASME 400  
 PMA = Maximum allowable pressure: 990psig@100°F (68bar@38°C)  
 TMA = Maximum allowable temperature: 800°F (427°C)  
 Maximum cold hydrostatic test pressure: 1500psig (103bar)  
 TMO = Maximum operating temperature = TMA  
 PMO = Maximum operating pressure: (See Engineering data table)

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

(2) Product will operate throughout entire pressure range, however selection closest to the Maximum operating pressure is recommended for maximum efficiency.

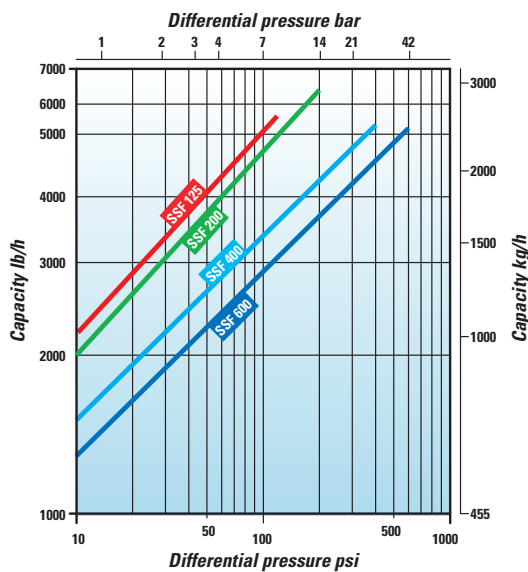


Clearance for strainer removal:  
9 in (229 mm) min.

## DIMENSIONS AND WEIGHTS

TYPE	SIZE NPS/DN	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 SSF 400 SSF 600	1 1/2 40	11 279	17 432	14 1/4 362	5 3/8 137	3 1/2 89	30 14	33 15	40 18
	2 50								

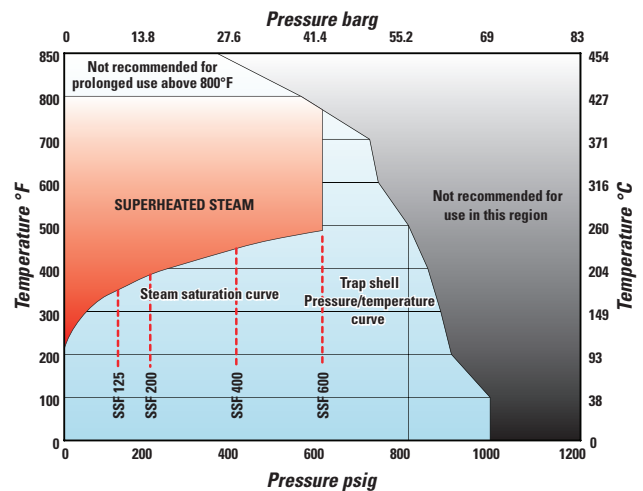
## CONDENSATE CAPACITY



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