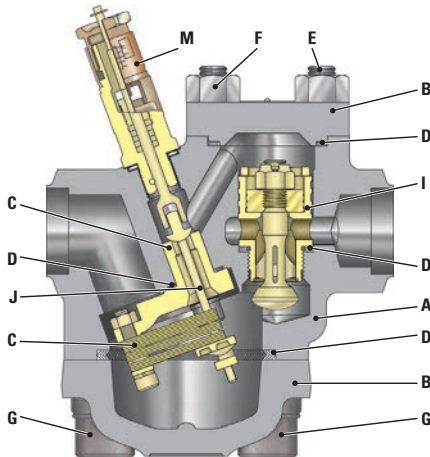


VELAN HIGH CAPACITY PISTON OPERATED STEAM TRAP



STANDARD MATERIALS

PART	MATERIALS
A	Body
B	Cover
C	Bimetal element
D	Gasket
E	Cover stud
F	Cover nut
G	Cap screw
I	Piston cage unit
J	Piston valve
M	Temp controller

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 rehear drains.

Type SPF0-7 (F22)

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

ENGINEERING DATA

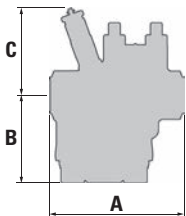
TYPE	PRESSURE RANGE ⁽¹⁾ psig/barg	PMO psig / barg	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
SPF0	10-200 0.69-14	200 14	F22	1050 565	7/8 22	17,000 7,727
SPF1	10-350 0.69-24	350 24				19,000 8,636
SPF2	10-600 0.69-42	600 42				22,000 10,000
SPF3	10-1500 0.69-103	1500 103				27,000 12,273

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

TYPE	PRESSURE RANGE ⁽¹⁾ psig/barg	PMO psig/barg	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
SPF4	10-200 0.69-14	200 14	F22	1050 565	1 3/8 35	38,000 17,272
SPF5	10-350 0.69-24	350 24				43,000 19,545
SPF6	10-600 0.69-42	600 42				49,000 22,272
SPF7	10-1500 0.69-103	1500 103				63,000 28,636

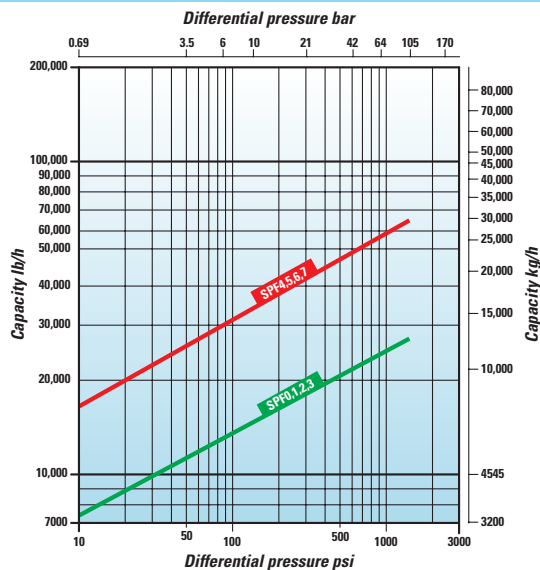
PMA = Maximum allowable pressure: 2600psig@100°F (179bar@38°C)
TMA = Maximum allowable temperature: 1050°F (565°C)
Maximum cold hydrostatic test pressure: 3900psig (269bar)
TMO = Maximum operating temperature = TMA
PMO = Maximum operating pressure: (see Engineering data table)

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	FLANGED				SCR/SW			BW	FLANGED					
					SPF0/4	SPF1/5	SPF2/6	SPF3/7					SPF0/4	SPF1/5	SPF2/6	SPF3/7		
SPF 0,1,2,3	1 25	1 1/2 40	7 3/4 197	13 3/4 349	10 3/4 273	11 279	11 279	12 3/4 324	4 7/8 124	5 3/16 132	35 16	39 18	48 22	53 24	56 25	64 29		
SPF 4,5,6,7	1 1/2 40	2 50	8 3/4 222	14 3/4 375	12 305	12 305	12 305	14 1/4 362	5 1/8 130	5 1/2 140	50 23	55 25	67 30	69 31	81 37	100 45		

CONDENSATE CAPACITY



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

PRESSURE / TEMPERATURE LIMITS

