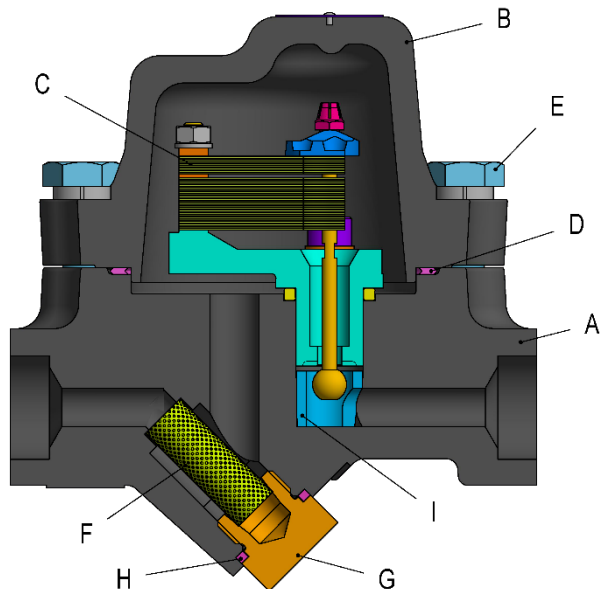
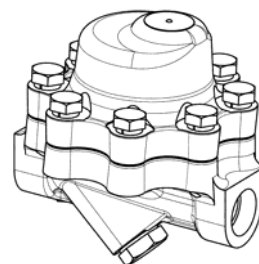


VELAN FORGED BIMETALLIC STEAM TRAPS ASME CL600 N150-1200 MKII

0-1200psi / 0-82bar

½", ¾", 1" / DN15, DN20, DN25

Optimal for tracing, boiler headers, steam mains, branch lines, sterilizers and finned radiation.



STANDARD MATERIALS

PARTS		MATERIAL
A	Body	Forged carbon steel (C. Max. 0.25) / Forged alloy steel F22
B	Cover	Forged carbon steel (C. Max. 0.25) / Forged alloy steel F22
C	Bi-metal cage unit assembly	Bi-metal element: Truflex GB-14
D	Cover gasket	Spiral wound, SS core with graphite filler
E	Cover Bolt (1)	Chrome moly alloy
F	Strainer	Stainless steel
G	Strainer cap	Same as body material
H	Gasket – strainer cap	Spiral wound, SS core with graphite filler
I	Sleeve (2)	Hardened stainless steel gr. 420

(1) B7 (A105), B16 (F22)

(2) Sleeve – Applicable only for PMO = 675 psig & above.

ENGINEERING DATA

PRESSURE RANGE (3) psig/barg	PMO psig/barg	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
0-150 (0-10.4)	150 (10.4)	A105 / F22	A105: 800 (425) F22: 1050 (565)	½ (12.7)	3,250 1,477
0-300 (0-21)	300 (21)			½ (12.7)	4,500 2,045
0-675 (0-46.5)	675 (46.5)			5/16 (8)	2,900 1,315
0-1200 (0-83)	1200 (83)			¼ (6.4)	1,992 904

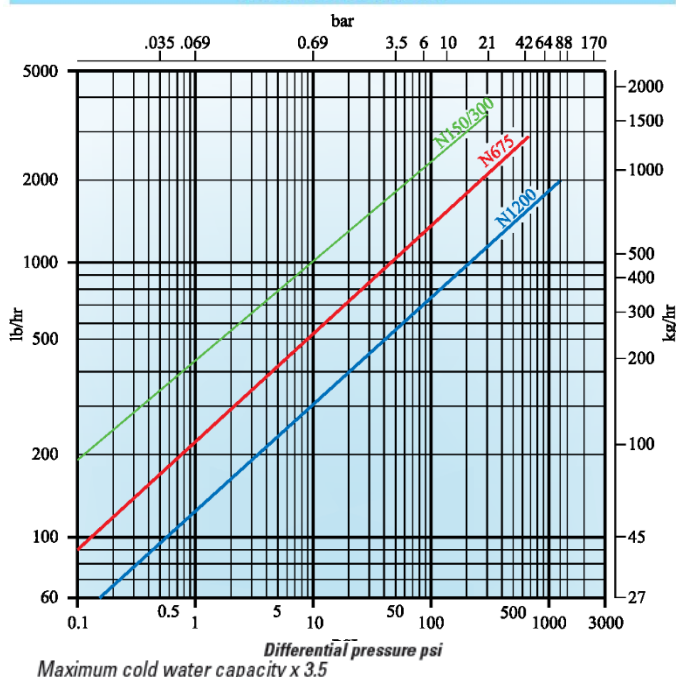
Maximum Design Conditions : ASME CL 600
PMA = Maximum allowable pressure (A105) : 1480 psig@100°F (102.1 barg @38°C)
Maximum cold hydrostatic test pressure : 2220 psig (153.2 barg)
TMA = Maximum allowable temperature : 800°F (425°C)

PMA = Maximum allowable pressure (F22) : 1500 psig@100°F (103.4 barg @38°C)
Maximum cold hydrostatic test pressure : 2250 psig (155 barg)
TMA = Maximum allowable temperature : 1100°F (593°C)

PMO = Maximum operating pressure : (See Engineering data table)
TMO = Maximum operating temperature = TMA

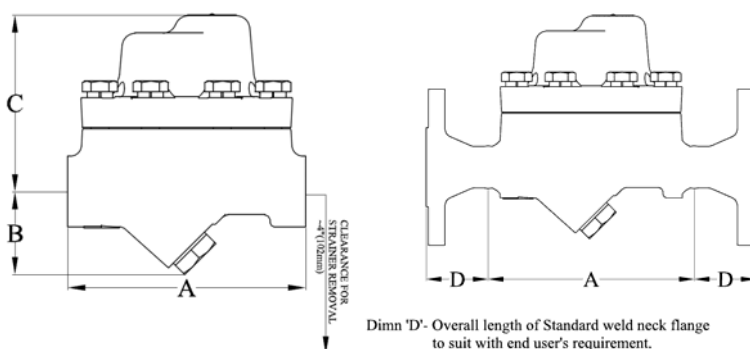
(3) Product will operate throughout entire range, however selection closest to the Maximum operating pressure is recommended for maximum efficiency.

CONDENSATE CAPACITY



DIMENSIONS AND WEIGHTS

SIZE NPS/DN			A FACE TO FACE		B CENTER TO BOTTOM	C CENTER TO TOP	WEIGHT lb/kg	
			SCR/SW	BW			SCR/SW	BW
½	¾	1	6.75	12.75	2.36	5.02	20.76	22
15	20	25	171.5	325	60	128	9.4	10



The performance graph indicates the continuous discharge capacities of condensate per hour at various pressure differentials across the trap. MKII design is an update to the Navy trap series.

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