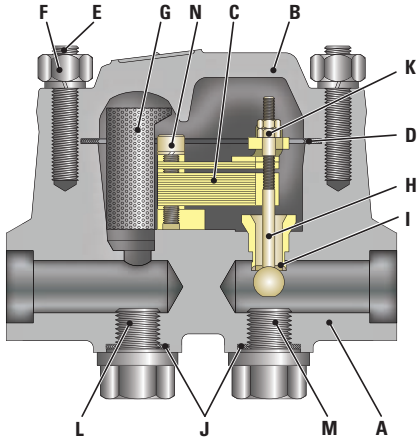


VELAN FORGED BIMETALLIC N150-300 STEAM TRAPS



Type N150/300

STANDARD MATERIALS

PART	MATERIALS
A Body	Forged carbon steel A105 (C. Max. 0.25) Forged alloy steel F22
B Cover	Same as body material
C Bimetal element	Truflex GB-14
D Cover gasket	SS 321 spiral wound with graphite filler
E Cover stud ⁽¹⁾	Chrome moly. alloy
F Cover nut ⁽¹⁾	Carbon steel, alloy steel
G Strainer	Stainless steel
H Stem and ball	SS, ball valve 58Rc
I Seat	SS hardfaced CoCr alloy
J Plug gasket	SS 321 spiral wound with graphite filler
K Adjusting nut and locknut	Stainless steel
L Strainer blow down plug	Same as body material
M Test plug	Same as body material
N Fixing screw and washer	Stainless steel

(1) B7/2H (A105), B16/Gr.4 (F22).

APPLICATIONS

Boiler headers, steam mains, branch lines, soot blower drains and intermediate stage turbine drains.

CONNECTIONS

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

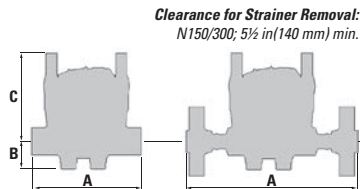
ENGINEERING DATA

PRESSURE RANGE ⁽³⁾ psig/barg	PMO psig/barg	MATERIAL	MAX TEMP F/C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
0-150 (0-10.5)	150 (10.5)	A105 ⁽¹⁾	850 ⁽²⁾ 454	1/2 12.7	2,800
0-300 (0-21)	300 (21)				1,272
					3,500
					1,590

Maximum body design condition: ANSI/ASME 400
 PMA = Maximum allowable pressure: 1000psig@100°F (69bar@38°C)
 TMA = Maximum allowable temperature: 800°F (427°C) – A105
 1050F (565C) – F22
 Maximum cold hydrostatic test pressure: 1500psig (103bar)
 TMO = Maximum operating temperature = TMA
 PMO = Maximum operating pressure: (See Engineering data table)

(1) Also available in F22, max temp. 1050°F (565°C). (2) Permissible, but not recommended for prolonged use above 800°F (426°C).

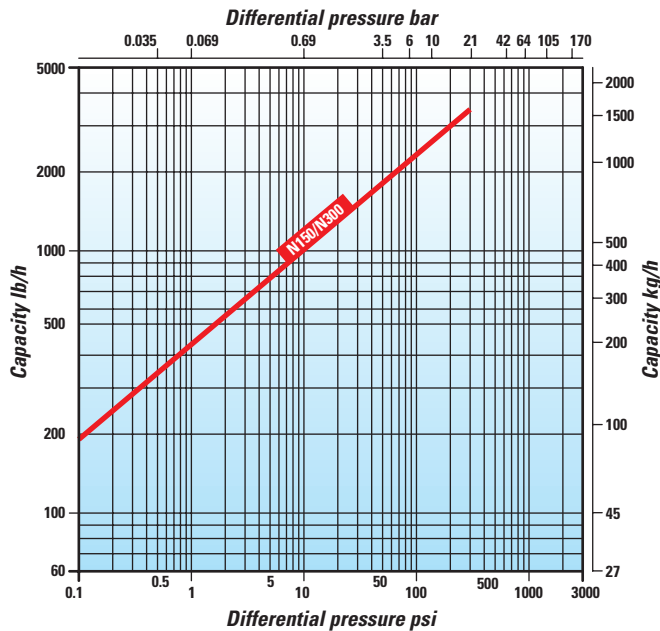
(3) Product will operate throughout entire pressure range, however selection closest to the Maximum operating pressure is recommended for maximum efficiency.



DIMENSIONS AND WEIGHTS

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
1/2 15	7 1/4 184	13 1/4 337	11 1/4 286	2 51	4 1/2 115	24 11	26 12	37 17

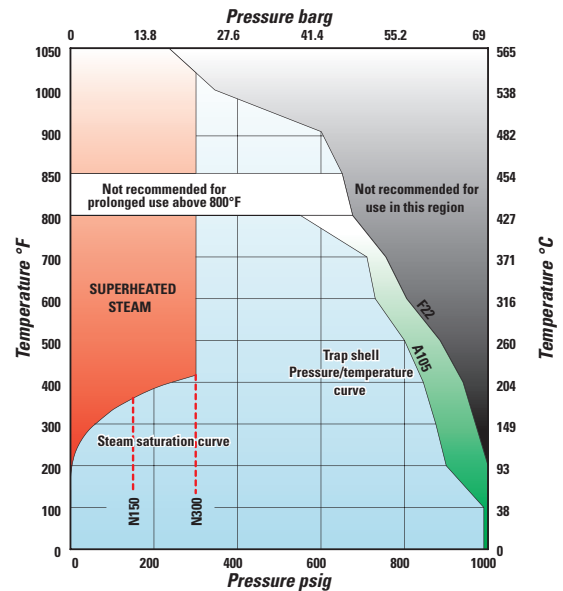
CONDENSATE CAPACITY



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