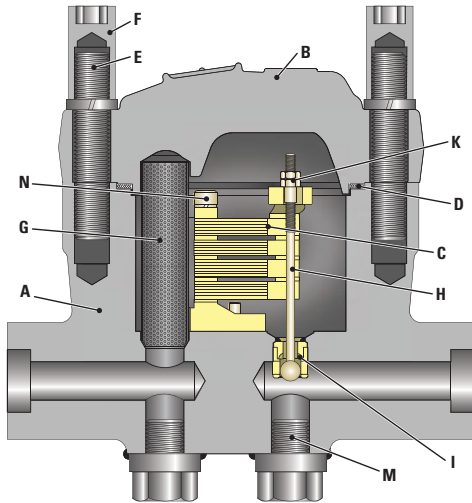


VELAN FORGED HP/HT N2500-2600 STEAM TRAPS



STANDARD MATERIALS

PART	MATERIALS	
A	Body	Forged alloy steel F22, F91
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, stainless 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

APPLICATIONS

Boiler headers, steam mains and branch lines.

CONNECTIONS

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

Type N2500/2600

(1) Durahete 1055 (F22), Nimonic 80A (F91), SB637 bolting for ANSI/ASME class 2500 shell.

ENGINEERING DATA

PRESSURE RANGE (1) psig/barg	PMO psig/barg	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
500-2500 (34.5-172)	2500 (172)	F22	1050 565	5/16 8	4,800 2,182
500-2600 (34.5-179)	2600 (179)	F91	1100 593		4,900 2,227

(1) Consult works for operating pressure below 500psig (34.5 barg).

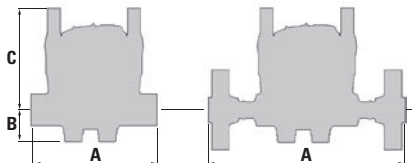
Standard bolting: DURAHETE 1055 – F22, NIMONIC 80A – F91

Maximum design condition: ANSI/ASME Class 1500
 PMA = Maximum allowable pressure: 3750psig@100°F (259bar@38°C)
 TMA = Maximum allowable temperature: 1050°F (565°C) – F22
 1100°F (593°C) – F91
 Maximum cold hydrostatic test pressure: 5625psig (388bar)
 TMO = Maximum operating temperature = TMA
 PMO = Maximum operating pressure: (See Engineering data table)

Special bolting: SB637

Maximum design condition: ANSI/ASME 2500
 PMA = Maximum allowable pressure: 6250psig@100°F (431bar@38°C)
 Maximum cold hydrostatic test pressure: 9375psig (647bar)

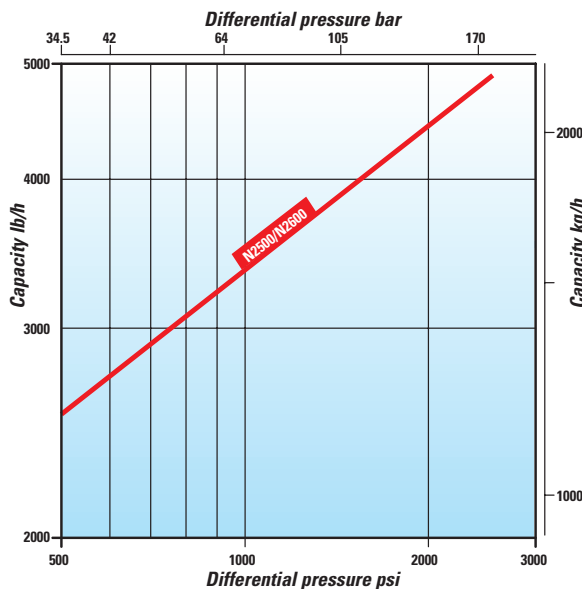
Clearance for strainer removal:
N2500/2600; 15 in (381 mm) min.



DIMENSIONS AND WEIGHTS

SIZE NPS/DN	A FACE TO FACE			B CENTER TO BOTTOM	C CENTER TO TOP	WEIGHT lb/kg		
	SW	BW	FLG			SW	BW	FLG
1/2 15	10 254	16 406	15 1/2 349	2 5/8 67	8 1/8 206	80 36	83 38	105 48
3/4 20								
1 25								

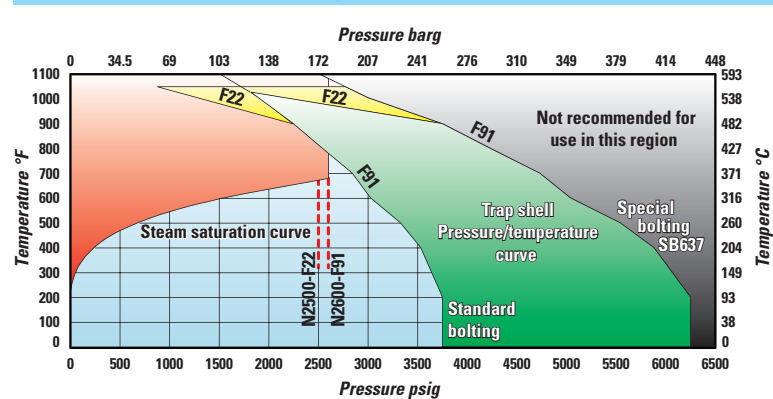
CONDENSATE CAPACITY



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