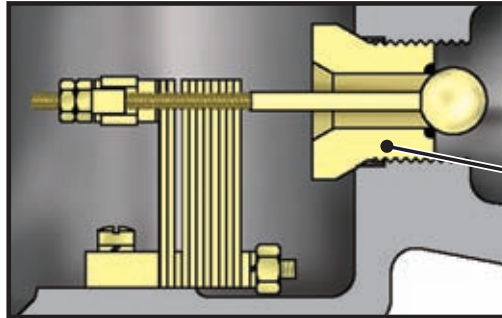


VELAN BIMETALLIC STEAM TRAPS

BIMETALLIC ELEMENT ON TYPE SSF, N150, N675, N900, N2500, N2600, N4000

BIMETAL ELEMENT

The individual segments of the bimetallic element act consecutively, developing forces in close relation to the saturated steam curve. This permits sensitive, efficient trap operation at all pressures.



Separate seat
Screwed ≤ 600 psi
Welded > 600 psi

COMMON DESIGN FEATURES

- **Automatic air venting - good discharge capacity**
Air and cold condensate is discharged through a full orifice efficiently ensuring fast warm-up of equipment.
- **Integral strainer**
An integral stainless steel strainer protects the trap operating mechanism from damage by dirt or scale. No extra fittings or installation costs are required. Free strainer area minimum 5 to 1. Perforation is 0.031" (0.8 mm).
- **All-position installation**
simplifies piping layout.
- **Silent operation** – no violent line shocks.
- **Freezeproof in vertical position - inlet on top**
without insulation - complete drainage when cold.
- **Positive closing**
Every Velan trap closes tightly on saturated steam temperature. Positive closing for long periods on dry superheated steam has enormous advantages in power plant and marine service.
- **Valve seats Stellite**
All Velan valve seats are Stellite faced to increase their resistance to the high degree of wear through velocity of flow, dirt and scale.
- **Positive condensate drainage**
- **Silent operation** – no violent line shocks.
- **Trim** is stainless steel with ball 58 Rc min.

TYPE SSF FEATURES

- **Easy internal maintenance**
The removal of the body cover provides easy access to the bimetallic element and seat. The removal of the strainer cover permits quick and easy removal of the strainer.
- **Optional temperature controller**
An ingenious device that can be adapted to most Velan models permitted adjustment of factory setting under full steam pressure. Condensate discharge temperature can be increased or decreased to meet the specific requirements of any process application. Up to 30% of energy can be saved by extracting the sensible heat of steam.
- **Optional extras include:**
Thermometer, strainer blowdown valve and Piping King Units complete with valving.



TYPE N DESIGN FEATURES

- **Easy access**
to all the internal operating parts when the body cover is removed.
- **Forged valve body and cover**
offer the advantages of high strength, structural integrity and reliability that make it an ideal choice for steam service.
- **Other options include:**
NPT blow down plug, strainer blowdown valve and Piping King Unit with all valving.