

# VELAN HIGH CAPACITY PISTON OPERATED STEAM TRAP

Type  
SP



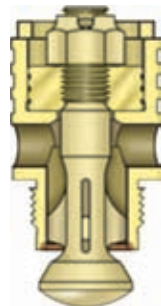
Type  
SPF



## COMMON DESIGN FEATURES

- Piston cage unit**  
 The advanced piston cage unit design combines a liner, piston, main seat and main valve into one factory-tested assembly to ensure precise alignment and simple maintenance. In the SPF Type there is also a bimetallic cage unit.
- Valve seats Stellite**  
 The main and pilot valve seats are Stellite faced to increase their resistance to the high degree of wear through velocity of flow, dirt and scale.
- All in one construction unit**  
 Air vent, main valve, check valve, strainer and temperature controller are a single unit, ensuring perfect alignment and ease of maintenance.

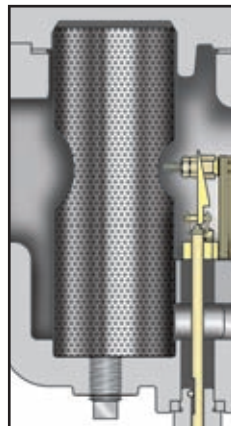
PISTON CAGE UNIT



- Positive closing**  
 As steam contacts the bimetal element, the pull closes the pilot valve, reducing the pressure on the piston. Line pressure below the main valve closes the valve tightly on the seat (see pg. 7).
- Positive condensate drainage** for process work.
- Check valve operation**  
 The main valve acts as a check valve preventing back flow.
- Temperature controller**  
 controls and adjusts the discharge temperature of condensate which can be calibrated using a special thermometer (see page 45).

## SP DESIGN FEATURES

- 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).



## TYPE SPF DESIGN FEATURES

- SPF only:** Can include a "Y" type strainer in line to protect trap.

