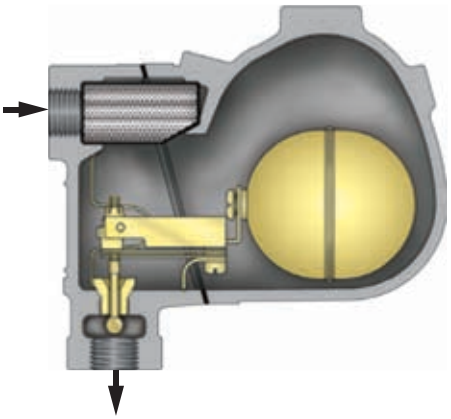
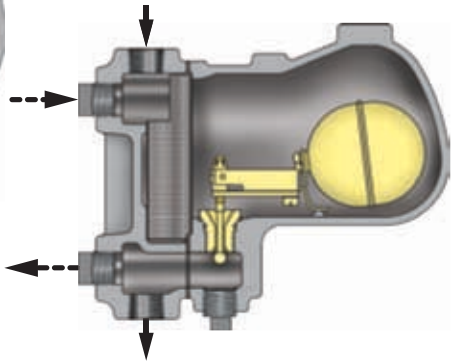
VELAN MONOVALVE FLOAT BIMETALLIC STEAM TRAPS

Type MFT/MFTS for positive drainage of unit heaters and process equipment

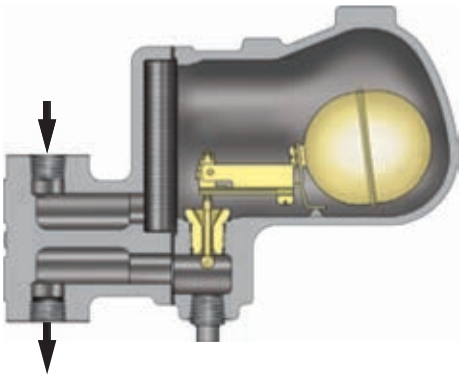
A complete unit: built-in strainer, check valve, air vent and optional bypass shut-off



Type MFT0



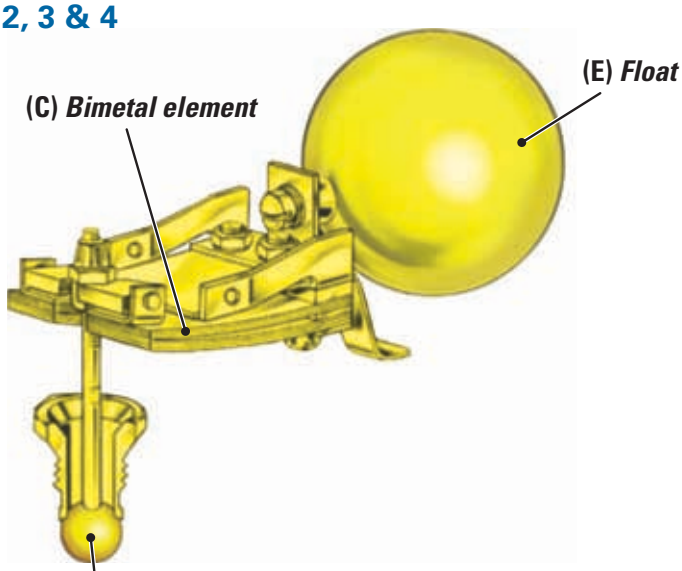
Type MFT1, 2, 3 & 4



Type MFT5/MFTS

DESIGN FEATURES

- **Positive closing and condensate drainage**
  The bimetallic element is a function of the saturated steam curve (pages 4 and 5) and it's sensitivity to the temperature change assures an immediate reaction to both steam and condensate for the entire pressure range. At saturated steam temperature the valve is closed as on a standard bimetallic steam trap, however, in this type any condensate build-up even at saturated steam temperature is discharged at the same rate. As it reaches the trap, the float becomes buoyant and opens the valve mechanically (see page 7).
- **Stainless steel float & trim**
- **Simple installation**
  Multiple inlet and outlet connections facilitate installation.
- **Integral strainer**
  Stainless steel screens are integral to protect 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).
- **Integral check valve operation**
  The main valve acts as a check valve preventing back flow.
- **Stainless steel pivots**
  Assure adequate protection against wear.
- **Seat (J) Stellite faced** to increase resistance to the high degree of wear through velocity of flow, dirt and scale.



- **Guaranteed against water hammer.**
  The down-stream valve acts as a release valve on the excess water pressure without damage to internal parts.
- **Freezeproof installation**
  without insulation – complete drainage when cold.
- **Other options include:** NPT blow down plug, strainer blowdown valve and Piping King Units.