



## APPLICATIONS

- Steam Lines
- Process Equipment
- Steam Cookers
- Steam Heated Vats
- Pressing Machinery
- Unit Heaters
- Oil Preheaters
- Converters
- Coils
- Rotating Drum

## OPTIONS *See page 9*

- SLR - SLR Orifice
- B - Blowdown Valve (contact factory)
- Continuous Bleed Air Vent
- 300# or 600# Flanged Connection\* (Raised Face)

\*Available on NFT652 and NFT653 only.

Canadian Registration # OE0591.9C

## OPERATION

On startup, the thermostatic air vent (caged stainless welded bellows) is open, allowing air to flow freely through the vent valve orifice. When condensate flows into the trap, the float rises, allowing condensate to be discharged. Once air and non-condensibles have been evacuated, hot condensate will cause the thermostatic vent to close. Condensate will continue to be discharged as long as condensation occurs.

# NOVA NFT650 SERIES

## VARIABLE ORIFICE STEAM TRAPS

Pressures To 650 PSIG (44.8 barg)  
Temperatures to 750°F (400°C)

**All Stainless Steel Internal Components** — Hardened valves and seats. Extra long life and dependable service. Resists water hammer. Protects against erosion and corrosion.

**Erosion Proof** — Discharge passage is protected with a stainless steel liner.

**Integral Strainer** — Stainless Steel screen prevents dirt problems. Blow-down connection provided.

**Thermostatic Air Vent** — Provided with balanced pressure element for immediate and complete air venting.

**Variable Orifice** — Condensate is discharged continuously through the seat ring which is modulated by the float. This provides a smooth, even flow without high velocity or steam entrainment.

**SLR Orifice** — Optional continuous bleed prevents flash steam lockup when it is impossible to install trap at low point in system.

**Guarantee** — Traps are guaranteed against defects in materials or workmanship for 3 years.

## MODELS

- **NFT651**—Low capacity
- **NFT652**—Medium capacity
- **NFT653**—High capacity

*Installation Tip:* Always install STV Test & Block Valve as part of trap station  
SEE PAGE 118

*Installation Tip:* Add Uniflex Pipe Coupling for ease of maintenance  
SEE PAGE 102

