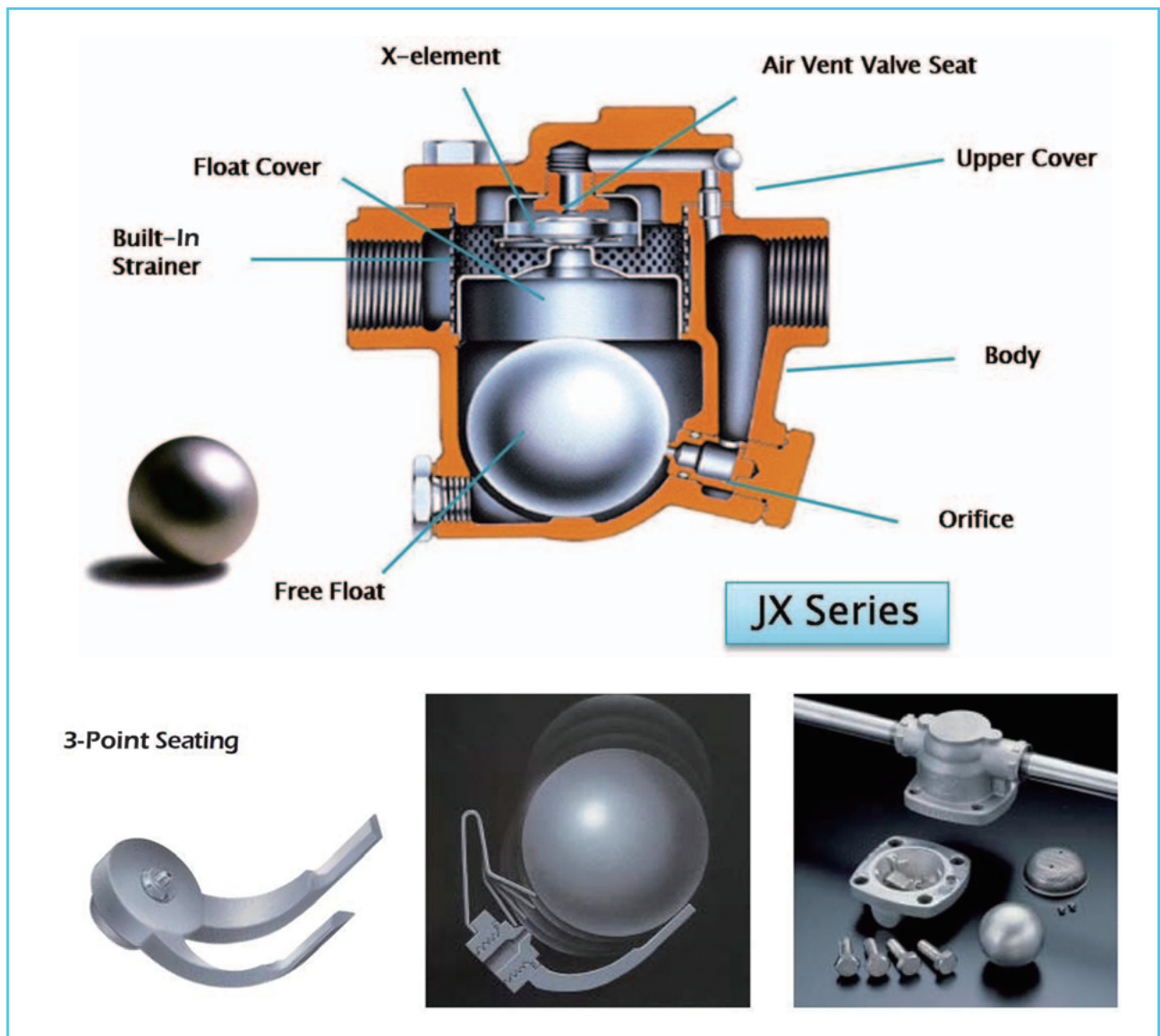


# TLV Free Float Steam Trap Series – Revolutionizing Fluid Technology Control

## • The Best Choice for Steam Traps

### Main Features

- **Precision-Ground Spherical Float:** The free float adjusts quickly to changes in condensate flow, ensuring rapid discharge and maximizing process efficiency. The precision-ground float provides an unlimited amount of surface area for contact with the orifice, ensuring little wear and tear and a long service life.
- **3-Point Seating:** By keeping the free float in place and simultaneously having seats on 3 points—the valve seat and both sides of the fork—the unique 3-point seating ensures a tight shutoff. This is effective in eliminating steam leakage.
- **Integral Perforated Stainless Steel Strainer:** The built-in strainer protects the trap internals from damage caused by rust and scale.



Applications  
General manufacturing industry (oil, gas, pharmaceuticals, food/beverages, etc.), steam users  
Tractors, process heaters, steam mains, heat exchangers, process equipment

Energy saving  
New energy  
Natural energy  
Energy recovery  
Other

Global warming prevention

Water pollution prevention

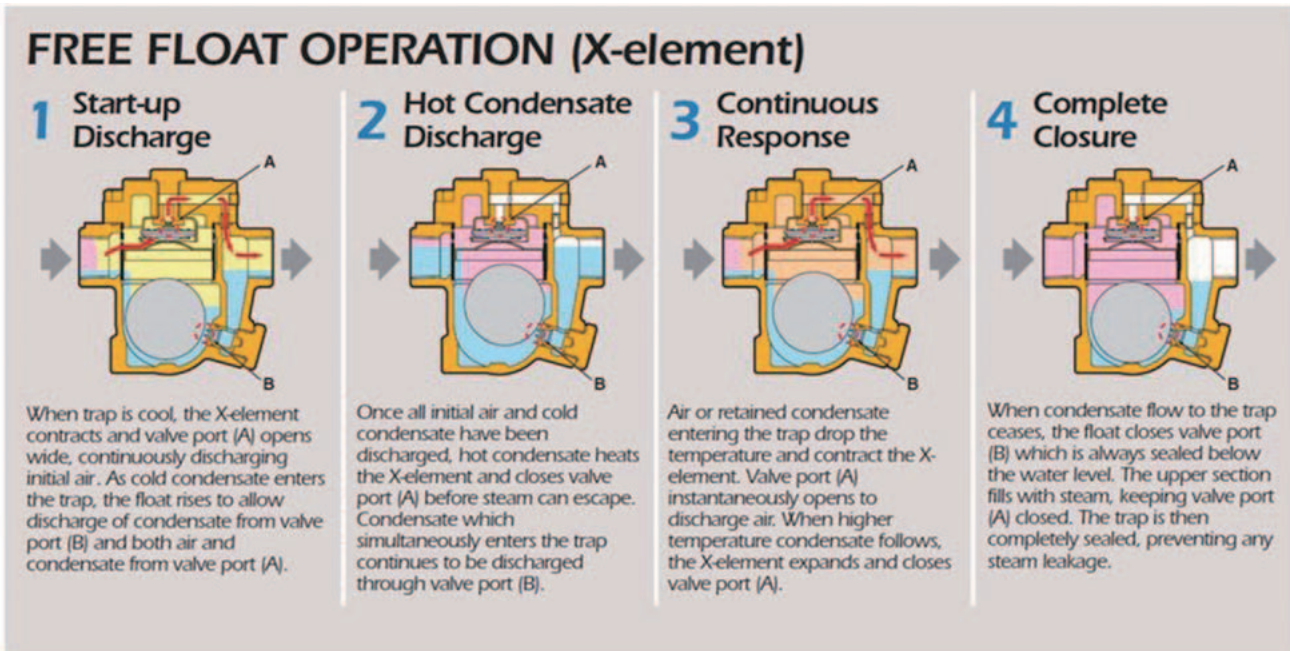
Air pollution prevention

Soil pollution prevention

## Technology/Product Overview

### Principle of operation

TLV free float steam trap works on the principle of the differences between the densities of steam and condensate. As the condensate level rises, the free float will rise, which opens the valve to discharge the condensate. As the condensate level decreases, the free float will sink to close the valve. The trap is completely sealed, preventing any steam leakage from occurring.



## Benefits

### 1. Improved process efficiency

TLV free float steam traps adjust quickly to changes in condensate flow for rapid discharge and faster start-up.

### 2. Energy conservation

No steam leakage means no wasted energy. 3-point seating on some models prevents steam leakage.

### 3. Long service life

The absence of complex mechanical parts ensures a long service life. As the only moving part, the free float provides an unlimited amount of surface area for contact with the orifice, ensuring minimal wear and tear on the trap interior.

Inquiries

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