Single Orifice Float Trap

Maximum Plant Output, Minimum Batch Times
Single Orifice Float Traps

The first choice for process efficiency over the last seven decades, Forbes Marshall has been partnering the process industry with solutions in steam trapping. With our continuous investment in research and development, the single orifice float trap is an extremely robust trap well suited for various application needs.

Its unique features include a self-aligning main valve, water-hammer proof float assembly, and an integral, corrosion resistant air vent. Equipped with all these and the option of a steam lock release (SLR) mechanism, the Forbes Marshall single orifice float trap is the most preferred ball float trap in the process industry.

Features

**Effective condensate drainage**
Buoyancy modulated float mechanism for instantaneous discharge of condensate.

**Environment friendly**
Asbestos-free gasket. No steam loss in normal working condition means a reduction in the carbon footprint.

**Erosion and impact resistant**
Erosion deflectors with simplified flow paths make the trap erosion and impact resistant.

**Installation flexibility**
Can be installed either horizontally or vertically.

**No live steam loss**
Self-aligning valve with a permanent water seal.

**Quick Start-up**
Integral thermostatic air vent.
Applications

Single orifice float traps are the first choice for applications where the rate of heat transfer is high to keep up with high productivity levels. A compact construction with high discharge capacity ensures maximum heat transfer. They are designed to efficiently handle varying condensate loads without pressure fluctuation, adding to the desired product quality. Condensate is removed instantaneously on formation.
**Innovation Experience**

**70 years**

Successful performance of Float Traps installed in our solvent plant has reduced the annual fuel bill by 1.81%. We are recovering 12 TPD of condensate.

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**Single Orifice Float Traps Installed Globally**

**3 million**

We are very happy with the installation of Single Orifice Float Traps in lieu of Bucket trap for our driers resulting in reduction of diesel consumption from 220 ltr/day to 190 ltr/day.

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**Satisfied Customers**

**15,000+**

Successful installation of Single Orifice Float Trap has reduced our steam consumption by 6 - 7% improving our batch timings by 18-24 mins.

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**Multinational Pharmaceutical Company**

Our present condensate and flash recovery factor by installation of Single Orifice Float Traps is 60% with feed water at 87°C. We are pleased to recommend the float traps to other bulk drugs and chemical process plants.

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**Largest Hotel Chain**

Thanks to Forbes Marshall for recommending the installation of Single Orifice Float Traps over Thermodynamic traps on our backfilling and stenter machines leading to reduction in our annual fuel bill by 10% compared to last year.

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**Manufacturer of Mink Printed and Embossed Blankets**

The Single Orifice Float Traps are effectively *evacuating condensate continuously* without keeping the bypass valve open during the processes. We have *not faced any problem* after installation of the traps.

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**14th Largest Global Generic Pharmaceutical Company**

**5th Largest Brewery Group in the World**

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Forbes Marshall
Krohne Marshall
Forbes Marshall Arca
Codel International
Forbes Solar
Forbes Vyncke
Forbes Marshall Steam Systems

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