FlashJet™ Pump
100% flash and condensate recovery at equipment level
FLASHJET™ Pump

The Forbes Marshall Flash Jet Pump, FJP™ (patent pending), is an innovative solution enabling closed loop recovery of condensate and flash steam that ensures complete energy balance.

It has received the CII National Energy Award 2015 for Best Innovative Energy Saving Product.

**Principle of Operation**

The condensate from the process equipment flows into the FJP where flash steam separates from the condensate by the gravity settling method. The adequate vapour space and centrally engineered condensate inlet connection of the FJP ensure proper flash steam separation.

The flash steam should be connected to a low pressure process application having a maximum pressure of 1.5 bar (g). FJP discharges the condensate at a temperature equivalent to the saturation temperature corresponding to the flash steam pressure.

The balancing line ensures complete recovery of exhaust steam.

**Features**

State-of-the-art design
Engineered for optimum performance
Compact design, hence less footprint area
Specially designed and developed fibre reinforced plastic type insulation

**Benefits**

Installation at equipment level without disturbing existing layout
Ideal for local flash steam utilisation in the process
Condensate discharge at higher temperature (> 100 °C)
Complete recovery of condensate, flash steam and motive steam
Applications

The Forbes Marshall Flash Jet Pump is best suited for equipment level condensate recovery at elevated temperature and flash steam utilisation in low pressure applications.

Desolventiser Toaster
Edible Oil Industry

Multi-Bank Air Heating Dryers
Rice, Starch Industry

Jet Dyeing Machine
Textile Industry
Recovering Condensate and Flash Improves Steam System Efficiency by 18-20%

Every 6°C rise in feedwater temperature saves 1% fuel.

Customer Testimonials

The Forbes Marshall steam and condensate recovery solution has helped us to reduce the specific fuel consumption from 90 kg rice husk / ton rice bran to 84 kg of rice husk / kg of rice bran. Also, we are utilising the flash steam from the flash jet pump in the reboiler.

Manufacturer of Edible Oil North India

We have installed the innovative Forbes Marshall Flash Jet pump in our factory in April 2015. It is so compact that there was significant reduction in the space occupied. We have observed that no steam is vented to the atmosphere from this product and our condensate temperature has increased from 95°C to 102 °C, on an average.

Manufacturer of Shirting and Suiting Fabrics West India