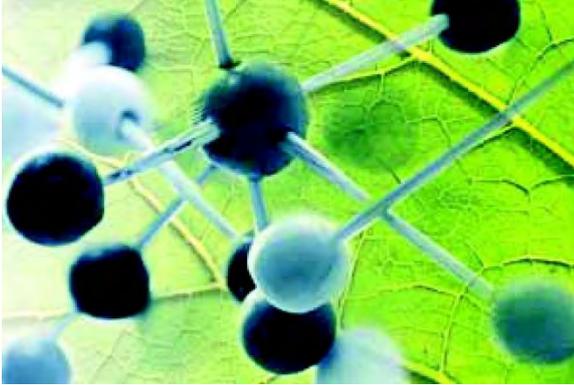




BASF INDIA LTD

Bombay, India



Benefits

- Suitable for pipeline drip legs of various pressures
- Reduction in leaked steam
- Reduction of noise pollution
- Rapid payback of less than 12 months
- Corporate recognition of GEM Trap retrofit among top five innovations

GEM® Traps Retrofitted for Chemical Plant

Thermodynamic steam traps had been originally fitted on high and low pressure steam pipeline drip legs at BASF India's manufacturing plant in Bombay. The steam traps, however, were wasting a significant amount of energy since they frequently leaked steam. In addition, they caused noise pollution because of their intermittent operation.

A three-month bucket test confirmed the GEM Trap's savings potential with a payback of 8 months. An initial order was given for 22 GEM Traps which were fitted on a high-pressure steam line of 10 Kg/cm² drip legs. The successful installation showed savings of 7 %.

Management at the facility subsequently decided to measure the performance of thermodynamic steam traps on low-pressure steam line drip legs. The survey also confirmed that the traps were passing live steam and wasting energy.

A total of 30 traps were subsequently installed on BASF India's medium pressure steam line drip legs of 4 kg/cm² over January and February 2010. Based on the successful energy savings already achieved, these GEM Traps are expected to provide BASF India with a one-year payback.

"The GEM Traps have passed the test for reliability, energy savings, maintenance cost savings, and noise pollution reduction in the factory. The revolutionary concept and implementation of the GEM Traps at our BASF Thane site was selected as one of the top five innovations across all divisions and sites of BASF in India."

-Manager-Engineering Services