



## R.B.M, research Laboratory of Merck Group Colleretto Giacosa, Italy



### Benefits

- Eliminated cost of replacing failed traps
- CO<sub>2</sub> emissions reduced by 104 tons/year
- Short payback of 24 months
- Reduced trap maintenance to a minimal
- Significantly reduced plume from condensate vessel
- 10 year no fail guarantee

### GEM® Traps Retrofitted In Pharmaceutical Site

The Maintenance and Investment manager at R.B.M, a research laboratory of the Merck group looked to start a new energy saving project with GEM after having had a positive experience at a competitor site. Following a steam trap survey, investment was approved for a project to convert all 80 steam traps to the GEM Trap. The GEM traps were installed on all applications including drip legs, humidification drainage, PHE, sterilization devices, shell and tube heat exchangers and heating batteries.

The site previously had mainly inverted bucket and thermostatic traps that would fail often in areas that were hard to access. GEM replaced these traps with our inline easily maintainable Emerald which contains a magnetic cap for extra protection. A servicing kit was also provided which reduces trap maintenance to a maximum of 2 minutes per trap. Previously the site had to clean and maintain traps often, this has significantly reduced.

After experiencing an immediate reduced plume of steam from their condensate vessel R.B.M are confident that they will achieve their short payback of 24 months.

Thermal Energy International worked with contractors and installers to ensure there was an easy transaction to GEM. Organising a kick-off meeting? and fittings and maintenance presentations to help everyone involved understand exactly how the GEM trap works and the difference between the technology compared with conventional mechanical traps.

**“I need a quote please”**

- Maintenance and Investment manager



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