



BOOTS PLC

Nottingham, United Kingdom



Benefits

- Successful installation on hot water calorifiers, boilers, super heaters and steam distribution systems
- GEM Trap sizing that allows calorifiers to operate from cold start-up through entire range
- No maintenance required except filter cleaning
- Increased safety from minimal need to reach traps in difficult to access areas

GEM® Traps Retrofitted in Energy Centre

Following the successful installation of GEM Traps on hot water calorifiers, GEM Traps have been systematically replaced within the Boots Energy Centre. Approximately 30 GEM Traps have now been installed onto other applications including boilers, super heaters and steam distribution systems.

The 15MW Energy Centre services the company's head office as well as production and distribution facilities. Prior to the installation of the GEM Traps, Energy Centre Manager, Paul Egner, found that the mechanical traps failed on a regular basis necessitating their overhaul or replacement. Approached by TEI to install the GEM Trap, he was at first sceptical but agreed to trial the trap.

A GEM Trap was first installed onto one of the pressured hot water calorifiers, which was sized to allow the calorifiers to operate from cold start-up all through the range. Following the successful trial, GEM Traps were retrofitted onto all four calorifiers.

"There is overwhelming evidence that GEM Traps save energy and therefore reduce carbon emissions more than thermodynamic and float type traps. Since we have been retrofitting GEM, not a single trap has required maintenance except filter cleaning. We have now standardised GEM on all our applications both within the Energy Centre and on the steam distribution systems across the site. In lots of places traps are located in difficult to access areas and in underground ductings. Any reduction in labour and having to reach traps in difficult areas is both a cost saving and a health and safety advantage."

-Energy Centre Manager