

Company: Gedeon Richter Plc

Location: Debrecen, Hungary

Objective: Provide a solution to improve steam quality and operational efficiency across the site

Solution: Design and installation of a bespoke solution to improve the steam quality and increase the operational efficiency of the plant

Results: Reduced maintenance costs, improved steam quality and increased efficiency

Applied engineering improves steam quality and process efficiency at a Hungarian pharmaceutical plant



Experiencing escalating maintenance costs and the frequent shutdowns of fermenters at their Budapest plant, Gedeon Richter Plc, Hungary's largest biotechnology and pharmaceutical company, asked Spirax Sarco to design a solution for the effective lubrication of mechanical seals, which were requiring frequent and expensive repairs and replacements.

After a system survey, Spirax Sarco identified a range of problems, including insufficient steam traps, a faulty pressure reduction valve (PRV) and excess pressure, which were causing operational issues.

A bespoke engineered solution was designed by Spirax Sarco to improve steam quality and operational efficiency across the site. Stainless steel elements of the solution included the installation of a PRV station for precise

pressure control and separator units ahead of mechanical seals, a variety of appropriately selected and installed steam traps, a range of strainers and a small condensate recirculating pump for improved lubrication.

The innovative solution was so successful that Gedeon Richter Plc has implemented elements of it at their new biotechnology plant in Debrecen, Hungary.

For more information on this, or any of our products or services please get in touch:

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