



Customer : Tire Manufacturer
Product group : Flow Technology
Market : Tire industry
Application : Vulcanizing press
Actual saving : € 950,000.-, yearly



STEAM TRAPPING STATIONS FOR CONDENSATE REMOVAL

ERIKS offers an engineered solution which saves costs and the environment

CHALLENGE

A leading tire manufacturer installed 192 vulcanizing presses. Due to the design of the standard system, with controlled on/off valves the customer spilled a lot of (expensive) life steam. On the other hand, as the drain valves were closed, condensate was stalled in the press which causes inefficiency as there is less energy in condensate than in steam. Vulcanizing of the rubber is one of the important steps in manufacturing tires. As this is not done properly it directly influences the quality of the tire. One of the aspects in this process is that the process must be done under the correct temperature. Steam is used to reach this temperature.

SOLUTION

After an inventory of the situation Econosto China got a clear view of the current situation and worked on an engineered solution. As there was enough pressure in the steam system compared to the condensate system Econosto China could work with a steam trapping station fitted with a ball float steam trap which drains the condensate on a modulating bases, so no condensate is stalled in the press, and the steam is not able to pass the ball float steam trap so it releases all its energy in the press.

SAVINGS

Saving costs on steam, on yearly basis around € 950,000.-

OTHER BENEFITS

- Improved production quality
- Less CO₂ pollution

FURTHER COMMENTS

The customer was delighted with ERIKS application and technical know-how. By focusing on the design within perspective improving the system three goals were achieved: saving costs on steam, on yearly basis around € 950,000.-, improved production quality and less CO₂ pollution!



know-how makes the difference

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