



Summary

Industry:	Power Gen - Fossil Fuels
Application:	Pump & Self Cleaning Filter Option
Actual Saving:	£n/a
Payback Period:	n/a



Pump And Filter For Ash And Water

Power Station required a pump and filter to empty a filling basement

ISSUE

A UK power station approached ERIKS Pump Technology with an interesting application. The basement of the boiler house was prone to flooding, with water and ash. The ash needed to be filtered out of the water as the basement was pumped clear.

SOLUTION

This is typical of the kinds of applications ERIKS Pump Technology get involved with, where it is not just the pump that needs to be specified.

ERIKS specified a 2" self priming pump as the unit to clear the basement of dirty water, based on the flow requirements of the power station. This pump then pumped the dirty water through a self cleaning filter. These filters provide a cost effective solution to difficult liquid filtration problems. The dirt loading in this application was very high for a self cleaning filter however even with continuous cleaning it was felt it was suitable for the job.

The filter was offered in a motorised form - meaning the unit would come with its own drive motor, this drive operates the self cleaning blade within the filter. Viton seals and a 1000 micron standard wedge wire element. This provided a maximum working pressure 13.8bar at 50deg c with a maximum working temp 260deg c(dependant on seal material).

OTHER BENEFITS

- Continuous filtration - no interruption of flow during cleaning process
- Minimal amounts of liquid loss during cleaning process
- Filtration levels down to 25 micron
- Separate bowl and head secured by vee clamp allows easy access to element

FURTHER COMMENTS...

This application is an excellent example of how ERIKS Pump Technology look at applications and are able to advise on a wide array of systems, identifying the right product for the application.

MORE INFORMATION

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