



Summary



Industry:	Aerospace
Application:	Improved Filtration and Operating Efficiency
Actual Saving:	£5,200
Payback Period:	2 years



Automated Solution From ERIKS Improves Efficiency

ISSUE

A UK Aerospace company were using an outdated 40+ year old sand filter that required considerable manual operation to undertake the back wash cycles to flush the filter clean during its normal operation.

The client was looking to remove all manual intervention in the operation of this filter therefore saving engineers time that could be better utilised elsewhere on site.

SOLUTION

ERIKS Pump Technology investigated the application and recommended a number of modern self-cleaning filter options that were available for this application. A site visit was undertaken with the chosen manufacturer - Airpel Filtration - and an automated back flushing filter was selected.

This 8" back flush strainer is specifically designed for use in applications where an automatic cleaning cycle is required to ensure process continuity. The unit automatically back flushes at a pre-determined pressure differential while the system is in operation all automatically.

Fluid flows from the inside of the screen to the outside. Differential pressure increases as debris is collected on the inside surface. This initiates the cleaning cycle that consists of the collector arm rotating and a back flush valve opening. This cleaning action causes a localised reversal of flow, removing debris from the screen and discharging it through the valve.

OTHER BENEFITS

- Cast iron or stainless steel construction
- Stainless steel screen with replaceable mesh lining
- Efficient cleaning action with low liquid loss
- Low power consumption
- Filtration level down to 45 micron
- Adjustable back flush valve to reduce water loss
- IP65 and automation operation

FURTHER COMMENTS...

MORE INFORMATION

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