

# FIRST IN FILTRATION

ERIKS FILTRATION SOLUTIONS FOR THE PROCESS INDUSTRY ARE SECOND TO NONE

FOCUS  
ON  
PROCESS

ERIKS has long been recognised as a leading supplier of filtration solutions, covering a wide range of industries and applications. In fact, our involvement with the technology began in our Wyko days, as an established supplier of oil and air filters, and as ERIKS has built upon this know-how to include process filtration.

Today, ERIKS competes nationally with other globally-recognised filter brands, and offers a complete product portfolio to the process industry. As well as offering a comprehensive range of leading-name products such as PALL, Airpel and Hydac, we have recently developed a particularly close relationship with Amazon Filters Ltd, allowing us to deliver a wide range of product, operational and process-related benefits to our process customer-base.

These benefits can be significant, as filter selection and implementation can be deceptively complex. Whilst, on the face of it, it may seem enough to know the particle size you want to filter down

to, other factors such as fluid viscosity can make a real difference to your choice of product. To ensure the most effective – and cost-effective – solution, expertise is important. And expertise is something that ERIKS and Amazon have a lot of – in fact, our combined know-how in filtration process and analysis can help you reduce downtime and costs, as well as improve equipment protection. By working with us, many of our customers see their end product improve in quality and grade.



Of course, while knowledge and experience are critical in supplying an effective filtration solution, it also helps



to have access to advanced products. And products for the process industry don't come any more advanced than those from Amazon. Take the SupaSpun II range, for example – its graded-depth density construction provides greater dirt-holding capacities and low clean start-up pressure drops when compared to similar depth-type filter elements. Or, again, take the Beta 5000. A true absolute-rated filter cartridge, it's ideal for single-pass, critical dead-end filtration processes. Amazon also supplies a range of pleated depth-type filter cartridges, offering the high surface area that's



perfect for use downstream of depth-type filters and act as excellent pre-filters. Microfiltration products for sterile processing of process fluids (liquids and gases) are also available.

All Amazon filter products are manufactured using FDA-approved materials to ensure compliance with the quality standards demanded by process industries such as pharmaceutical and Food and Beverage, and fit existing non-ERIKS/Amazon supplied filter housings. ERIKS can also help if your project requires a new filter housing installation.

## Good news with Airpel and ERIKS

**Industry:** Potash Mining

**Application:** Clay removal from Brine sea water being pumped out of the mine into a storage tank.

**Problem:** The pump was clogging up with clay as it pumped the water from the mine and ultimately stopping and requiring full strip down/cleaning/rebuild. This caused loss in production.

**Result required:** Full pump protection so down time is reduced and intervals between pump maintenance is extended. Removal of 18mm diameter and larger clay particles was required.

**Proposed solution:** A Dual filter fitted with a 18mm perforated basket so that large clay particles (i.e. 18mm diameter and above) are filtered from the line prior to reaching the pump. The Dual filter ensures that continuous operation of the pump is achieved and the line can still be used even when the filter is being cleaned. This unit has a smaller physical 'flange to flange' dimension compared to competitive solutions so that installation would be easier and minimal modifications to the pipe line are made.

**Product used:** 'OWVWB-600F-A-V' – Airpel Dual filter Cast Iron body with Gunmetal internals (suitable for the application media), fitted with a non-standard 18mm perforated basket. *Note: Full gunmetal filters were offered but the price exceeded the project budget and hence a new solution was found.*

**Result:** The Filter was installed within the client's budget and is operating well with the desired effects.

