

WHERE IN THE WORLD



## Using Your Cooling Tower Loop to Cut Waste and Costs

by Ask Filter Man

Recently, a manufacturer of plastic personal grooming products asked FilterMan about difficulties they were having while recycling mold cooling water through a cooling tower.

Specifically, the cooling water was picking up airborne particulate matter in the process – requiring frequent blowdowns, maintenance and adding costly downtime on the molding machines.

Traditionally, engineers have opted for disposable media filters because of their lower initial cost. While initial cost may be lower for small batch operations, the same is not necessarily true for continuous operations.

The reason for this is that a completely redundant filtration system is needed to maintain production – including piping, valves, supports, and service connections. Obviously, this is not an insignificant expense by any means.

To remove this particulate, the company installed an Eaton (Ronningen-Petter) [AFR](#) Tubular Backwashing Pressure Filter.



Ronningen-Petter AFR  
Tubular Backwashing Filter

With this type of filter system, the media is cleaned and regenerated while the unit remains on-line.

This means a simple single-piping arrangement, minimal valving, and fewer connections – for a lower total system cost and reduced waste.

*Since this installation in June of 2006, the company has eliminated costly downtime and reduced their waste.*

What's more, controlling suspended solids by filtration rather than blowdown substantially reduced their water use.

**And because the filter  
cleans itself only when  
necessary, treatment  
chemicals and waste  
disposal costs are  
minimized.**

At Eaton (Ronningen-Petter) – dynamic manufacturing solutions like these are what we're all about. For more information on how we can help you with your cooling tower process or filtration challenges, just visit us today at [www.Ronningen-Petter.com/Cooling-Tower.asp](http://www.Ronningen-Petter.com/Cooling-Tower.asp).

Or, if you would like to contact us immediately, please fill out a [Contact Us](#) form.

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