

## Brewery, Trap Filtration

Disposable Filter Elements, Central Europe

<b>Customer:</b>	Leading Central European Brewery
<b>Application:</b>	Brewery, Trap Filtration
<b>Products:</b>	Trapfil™
<b>Primary Motive:</b>	Cost saving
<b>Location:</b>	Central Europe
<b>Project Date:</b>	2018
<b>Division:</b>	New Milton



### Customer Overview:

One of the largest breweries in central Europe, which produces an annual yield of over 2.5 million hectolitres and exports worldwide.

### Customer's Problem:

Optimisation of operation costs and consumption of trap filters. Trap filters are placed within the multiple round housings. These filters ensure guard filtration, focusing on the removal of residual yeast and particles released.

Although there are 40 different types of filters used within the brewery, the guard filters have a significant affect on the overall operational costs – as they equate to around 70% of the total filtration cost.

Furthermore, production issues were reported due to the inconsistent (and therefore unpredictable) increase in differential pressure during the operation.

Clogging of the trap filter during the production cycle causes unwanted downtime and immediate exchange or cleaning of the filters.

### Project Overview:

After evaluation of various trap filters, the brewery selected Porvair's Trapfil™ given that it met the stringent requirements.

During testing, the Trapfil™ kept a linear increase of differential pressure throughout all production cycles; this represented a significant improvement over the competitor products, which were suddenly blocked at 40% of the Trapfil's™ operation time.

### Porvair Solution:

Trapfil™ R10X3BB, 10µm, size 30"

### System Information:

Porvair's Trapfil™ R10X3BB fulfilled all demanding requirements of the brewery. The application of Trapfil™ significantly decreased trap filter consumption and prolonged the filtration time of 1 filter set.

Trapfil™ successfully proved linear increase of pressure drop within the filtration process and enabled the continuous and predictable production process.

Trapfil™ brought reliable trap filtration solution and significant cost savings to the brewery.

### Other Opportunities:

All breweries where pleated filter cartridges for guard filtration are applied, the Trapfil™ brings significant filtration cost reduction .

