

## Mineral Water Production

### Disposable filters, Benelux

<b>Customer/Project:</b>	Belgian mineral water producer
<b>Industry Sector:</b>	Food and Beverage
<b>Application:</b>	Mineral Water
<b>Products:</b>	Polyfil™ II, Polyfil™ WF, Klearfil™ and Biofil™
<b>Primary Motive:</b>	Increased product lifetime / system improvement
<b>Location:</b>	Benelux
<b>Project Date:</b>	2020
<b>Division:</b>	New Milton



#### Customer Overview:

A leading Belgian company in the production of mineral water, sodas and packaging.

#### Customer's Problem:

The customer experienced a production problem where their filters were saturating prematurely, resulting in reduced life-time on their existing sterile filters, therefore they decided to review their current systems and considered looking for a new supplier.

#### Porvair Solution:

We have extensive experience in providing innovative filtration and separations solutions to the global food and beverage industry. We committed to partnering with our customers to improve process control, increase production efficiency and reduce costs, whilst protecting final product quality.

We replaced the existing matrix of disposable filters which were supplied by various manufacturers. Our Polyfil™ WF was installed as a pre-filter with the Polyfil™ II, Klearfil™ and Biofil™ as part of the three step filtration process.

#### Project Overview:

On project review, the filter micron sizes were assessed and altered, which has led to longer filter life-time of the more costly sterile PES filters, extending their life time by 1-2 months, thereby further reducing costs, and system down-time.

The delivery and installation of test samples with their respective validation guides enabled the manufacturer to successfully establish the correct solution. Porvair retrieved and analysed the samples in their test laboratory to ensure the correct specification was quoted.

Porvair was also able to make specific recommendations for sanitary system improvements. The manufacturer has now made Porvair its single filtration supplier, instead of four other companies.

#### Product and System Information:

- Polyfil™ WF as a pre-filter
- 3 step filtration, Polyfil™ II, Klearfil™, Biofil™

#### Other Opportunities:

- Soft Drinks
- Breweries
- Wine Bottlers

