

## Mineral Water Filtration

### Odour Removal, Clarification

<b>Customer:</b>	Water bottler
<b>Application:</b>	Mineral water
<b>Products:</b>	Carbofil™
<b>Primary Motive:</b>	Odour and colour removal
<b>Location:</b>	Spain
<b>Project Date:</b>	2019-2020
<b>Division:</b>	New Milton, UK



#### Customer Overview:

The customer, a small mineral water bottling company, is part of a large group, who supply to the hospitality industry.

The mineral water is naturally carbonated and is destined for the HoReCa sector, having a very specific customer.

#### Customer's Problem:

The customer's water comes from a surface well. Water is drawn up from the water table, where all the spaces between the rock and dirt particles are filled with water, and water fills the bottom of the hole dug for the well.

Due to the turbidity within the well, the carbonated mineral water comes out with an unpleasant odour and in an undesired colour.

#### Porvair Solution:

Porvair worked together with a local distributor in order to identify the correct solution to improve the product output.

The product selected was Porvair's Carbofil™ (30") Activated Carbon filter cartridges.

#### Project Overview:

The end-user needed to find a solution to the issue of odour and colour. A cost effective solution was also identified as being essential in this scenario.

Activated Carbon, a porous substance with strong physical adsorption properties, has the highest volume of adsorbing porosity of any material known.

The solution proposed formed the right balance between remedial properties and a cost effective solution.

#### Product and System Information:

Carbofil™ CR 5µm (30") – Ref. CR05N3AA.

#### Other Opportunities:

All mineral water bottling companies faced with similar issues.

