

## **Kalsep UK Ltd.**

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### **Kalsep UK Ltd. Supply Filtration System to a Large Dairy and Fruit Processing Plant**

**CAMBERLEY, SURREY** – Kalsep, the Surrey-based filtration specialists, won a contract to supply a filtration system to supply a large dairy and fruit processing business in the southwest which produces organic milk, yoghurt and fruit compotes. The Kalsep plant was chosen because of its low maintenance, significant reduction in operating costs, high performance and operational benefits.

The Company was looking to renew their existing borehole water treatment system where two boreholes were in use, producing up to 20m<sup>3</sup>/hr.

The existing media filter was too small for the increasing demand so a new Fe/Mn removal system was installed along with UV downstream. The raw water was quite high in Fe but the installation of 2 x AX50 Fibrotex filters produced excellent filtrate quality with Fe and Mn concentrations well below potable water limits. Turbidity reduction was also excellent.

In trials, stable DPs of 0.15 – 0.25 bar at a flow rate of 2.0m<sup>3</sup>/hr were achieved and backwash volumes were 2% of forward flow with a run time of 3 hours. This performance was replicated on the full scale plant.

An AX100IB filter was installed to treat the full scale flow of 20m<sup>3</sup>/hr to provide duty / standby operation.

#### **About Kalsep UK Ltd.**

Information on all our products is available from our new websites [www.kalsep.co.uk](http://www.kalsep.co.uk) and [www.smithandlovelessltd.co.uk](http://www.smithandlovelessltd.co.uk) or you can contact our Sales Engineer, Andy Hornabrook at Tel: 07787 227346 and email: [ahornabrook@smithandlovelessltd.co.uk](mailto:ahornabrook@smithandlovelessltd.co.uk).

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