

## CASE STUDY

### THE DAIRY



#### CASE FACTS...

- **SOLID FATS** need to be **EXTRACTED** from the dairy washings
- **A PROGRESSIVE CAVITY PUMP** pumped from pit to holding tank
- **A RELIABLE FILTER** was needed to **PREVENT GRIT** entering the pump
- **2 SERADISC FILTERS** now processes the **5m<sup>3</sup> per hour flow rate**
- Since installation there have been **0 (Zero) BLOCKAGES**

seradis<sup>TM</sup>



patented design



This family run farm has expanded over the last quarter of a century to become a major producer of dairy products. As the business grew, the problems of managing waste also grew. In particular, was how to dispose of the washings from the dairy which have a large proportion of fat and needed to be recycled in an environmentally responsibly way.

*"We had a large steel filter for extracting water out of the dairy washings. When it was suggested that the Seradisc Filter could do the same job, I was quite sceptical. To be honest, I was expecting it to block with the amount of solids in the washings."*



*"I have been using two Seradisc Filters for a couple of months now and have not had one blockage, which is amazing."*

DAIRY MANAGER

## THE PROBLEM



The washings from the dairy drain into a holding pit and have a high content of fat which needs to be properly disposed. Solids are easier to extract for disposal so the task is to pump out as much liquid as possible. The problem is that the liquid contains a lot of solids and some grit which would damage the pump. Previous attempts to filter the liquid had disappointing results.

## THE SOLUTION

The Dairy fitted 2 in-line floating Seradisc Filters which were submersed below the solids. The filters are small, light and easy to inspect. The liquid is pumped through the filters by a Progressive Cavity Pump up to a holding tank to process for recycling. The Seradiscs protect the pump from grit and other solids increasing reliability and reducing time and maintenance costs.



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