

Impressive **added value**



Danone, the French food and beverage manufacturer, employs some 90,000 employees at 120 locations around the world. The six French sites produce a total of 670,000 tons of dairy products per year, of which 110,000 at Ferrières-en-Bray.

Location: Ferrières-en-Bray
(Normandy)

Employees: 265

Early in 2006, the company decided to have the plant's water supply system optimised. Whereas the water needed for the production facilities had thus far been taken from a storage tank, the objective now was to gain independence of the storage tank and yet warrant the reliability of production. The company wanted to be able to clean the tank at any time, not as part of a general plant shutdown. Arrangements were made for trial operation to establish the required pressure setpoint and test the pump unit in continuous operation. During the test phase, the project manager was able to optimise the system himself by means of the plain text menu of the graphical display.

Danone then decided to use KSB's variable speed control system permanently. Convincing decision-making factors were not only the quality and efficiency of the tested product, but also the flexibility and versatility of the speed-controlled pump. The unit is motor-mounted, so no large control cabinet was needed despite the high motor rating of 45 kW. As the operating hours and the power input are displayed, the company's maintenance team now has more technical data at its disposal than before.

The solution involving an automated pump in continuous operation proved to be right on target and is not just used for maintenance work on the storage tank as originally planned. The variable speed pump now ensures demand-based water supply to the production facilities. In future, the storage tank will only serve to provide added security. Opting for this solution has meant a significant process optimisation and at the same time a major increase in the reliability of production. Since its

commissioning at the end of May 2006, the automated pump has performed to the complete satisfaction of the customer.

More information

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Etanorm 80-200 with motor-mounted PumpDrive



Everything at a glance: Operating hours and power input are displayed.

Scope of supply:

Technical data:

Commissioned: 30 May 2006

	Capacity [m ³ /h]	Head [m]	Drive rating [kW]
Etanorm 80-200 with motor-mounted PumpDrive	210	43	45



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