

Reliability essential

- ▶ **Parmalat, one of the world's fastest-growing dairy and food companies, has chosen Grundfos Digital Dosing pumps for the water treatment system that is vital for operations at its plant in Hungary.**

Depending on Grundfos reliability

Parmalat employs a total of about 40,000 people in more than 162 plants in 27 different countries, and is the world's leading manufacturer of UHT long-life milk.

Parmalat production technology is based on high quality. At their dairy plant in Hungary, all the water treatment pumps are from Grundfos - and the explanation is very straightforward. The management of the Parmalat dairy plant and the plant contractors both know from experience that they can depend on Grundfos reliability and service.

Back-up comes from service

When preparing the system specifications, Parmalat worked in close collaboration with CWG Hungary Ltd. as the main contractor. This company has a very strong position in the Hungarian water treatment market.

After careful consideration, it was decided that the new water treatment system installed by CWG would operate without reserve dosing pumps. Instead, back-up comes from rapid, reliable Grundfos service that can get the system up and running again within an agreed 24-hour limit.

User-friendly

CWG staff noted that the Grundfos Digital Dosing pumps were very easy to build into the system, and their user-friendly installation and digital set-up made it easy to bring the pumps into operation.



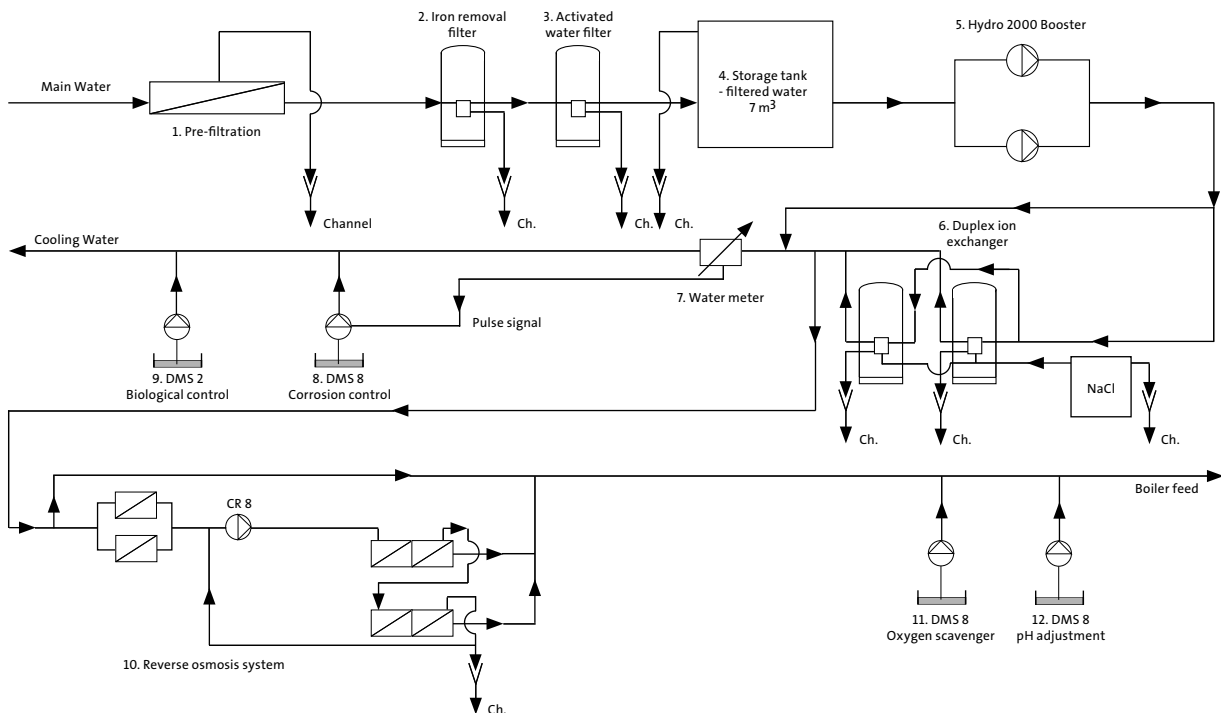
Parmalat and Digital Dosing

In the water cooling system, a pulse-controlled DMS 8 administers a corrosion control chemical (ml/pulse). A DMS 2 automatically administers a fixed dosage of biological control chemical based on time control from the control cabinet.

In the boiler feed system, two DMS 8 pumps administer fixed dosages (ml/h) of oxygen scavenger and a pH regulator.

A Grundfos Hydro 2000 pressure booster and a CR 8 multistage pump provide pressure to the water cooling system and reverse osmosis process, respectively.

1. Pre-filtration
2. Iron removal filter
3. Activated water filter
4. Storage tank - filtered water
5. Grundfos Hydro 2000 Booster
6. Duplex ion exchanger
7. Water meter
8. Dosing pump - corrosion control
9. Dosing pump - biological control
10. Reverse osmosis system
11. Dosing pump - oxygen scavenger
12. Dosing pump - pH adjustment



The Grundfos Digital Dosing solution

	DMS 2-11	DMS 8-5
Maximum capacity	2.5 l/h	7.5 l/h
Maximum pressure	11 bar	5.4 bar

Full external pulse control

A fixed dosage is set directly via the display in ml/pulse.

Manual control

A fixed dosage is set directly via the display in ml/h or l/h.

Analog control (4-20 mA) and Fieldbus communication are also available with Grundfos Digital Dosing.

Advantages at a glance

1. Reliable pumps ensure that the system is always working at maximum efficiency.
2. Grundfos' extensive service network is available nearby to provide any assistance that may be needed, rapidly and reliably.
3. One single pump supplier for the entire water treatment system means that everything works together perfectly.