

DEMAND GRUNDFOS
iSOLUTIONS

Industrial applications

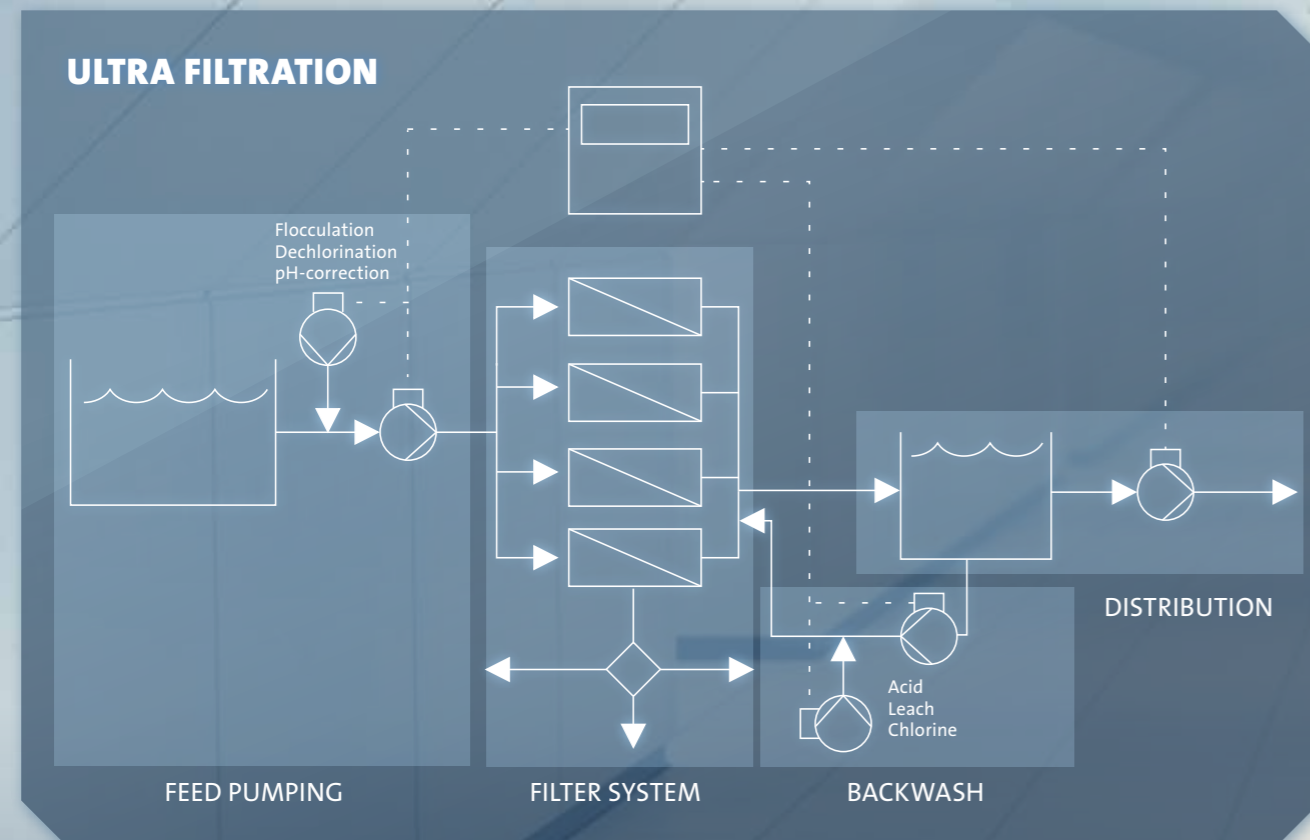
WATER TREATMENT – ULTRA FILTRATION

INTELLIGENT SYSTEM DESIGN

be
think
innovate

GRUNDFOS 

ULTRA FILTRATION INTELLIGENT SYSTEM DESIGN



FEED PUMPS

The main purpose of the feed pumps is to maintain the correct pressure over the filters at all times, ensuring maximum output. The pumps automatically adjust to the differential pressure change over the filters as they clog up.

BENEFITS

- The intelligent controls manage the dosing equipment
- Reduced software engineering cost
- Intelligent motor drive keeps the flux stable
- Stable flux means energy savings
- Saves on chemicals

PRODUCTS

CR, BM, BME

BACKWASHING

Backwashing is used when the filters start to clog up. The clogging results in a decrease in the production of clean water and an increase in the energy used per cubic meter of clean water. To avoid this, the backwashing system starts and the filters are restored to their original state.

BENEFITS

- Variable frequency drives enable the intelligent use of the pump
- Water savings
- Energy savings

PRODUCTS

CR

CONTROLLING THE SYSTEM

The control system optimises the application, making sure that the system produces the best quality of water at the lowest cost. This means maintaining the right pressure over the filter and perform backwash when necessary.

BENEFITS

- The intelligent control manage the dosing equipment
- Reduced software engineering cost
- Saves on chemicals
- Energy savings

PRODUCTS

CR, CM



TOTAL SYSTEM INTELLIGENCE ON DEMAND

Grundfos iSOLUTIONS is a commitment to deliver intelligence throughout the solution for optimum pump system performance. We think beyond the pump and take the entire pumping system into account. We optimise the way pumps, drives, controls and protection, measurement and communication units work together as part of one system.

Grundfos iSOLUTIONS brings together your demands, our application expertise and state-of-the-art pump intelligence together for any application.

Learn more on www.grundfos.com/isolutions

Grundfos Product Center

Advanced product specification is available from the Grundfos Product Center, your free online tool for easy selection and sizing, technical information and documentation including manuals, CAD drawings, service instructions and videos.

www.product-selection.grundfos.com