

Interfaces for RO units with RO digital controller

Interface for the transfer of operating data of a reverse osmosis unit with the RO digital controller, consisting of hardware and software extension. The interface is used for the transfer of operating data to the central control system (CCS) and creates the prerequisites for an on-site visualisation of the entire reverse osmosis unit. In addition, the acknowledgement of faults and the request of the unit is possible via the interface.

BENEFITS

- Convenient monitoring and control via central control system (CCS)
- If ordered together with an RO unit, the installation in the system is included

APPLICATIONS

- For all RO series with RO digital controller
- Profinet surface mount version suitable for UO-D 120 - 500 (C/CD)
- Profinet built-in version suitable for all larger series
- For transfer of all relevant operating data to the central control system (CCS)



Profinet and other interfaces

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DESCRIPTION

The following data are transmitted by the reverse osmosis via the interface:

- Current operating mode and current operating status
- Analogue inputs such as pressure, flow rate, temperature, conductivity and level permeate tank
- Digital inputs such as level switches, motor protection/hard water, forced stop and universal inputs
- External signals such as stop and request
- Summed-up water volumes and operating hours counter of the unit
- Digital controls for pumps and valves
- Faults as individual messages (e.g. motor protection, hard water, signal dosing pump empty, etc.)

The reverse osmosis can also be controlled via the interface:

- Acknowledgment of pending faults
- External request of the unit (instead of internal request via level permeate tank)
- Forced stop of the unit (only with Profinet / Profibus)

TECHNICAL DATA OF SERIES

Product name	Description	Item number
Profinet (up to 500 l/h)	Interface for RO digital (up to 500 l/h)	542 070
Profinet (> 500 l/h)	Interface for RO digital (> 500 l/h)	541 842
Profibus	Interface for RO digital	542 181
Modbus RTU	Interface for RO digital	542 396
Modbus TCP	Interface for RO digital	542 397
BACnet	Interface for RO digital	542 398