

# Interfaces for RO units with PLC Siemens S7-1200

Interface for the transfer of operating data of a reverse osmosis unit with PLC Siemens S7-1200, 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 of the interface in the system is included

## APPLICATIONS

- For all RO series with PLC Siemens S7-1200
- 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
- Summed-up water volumes and operating hours counter of the unit
- Digital controls for pumps and valves
- Collective warning and collective fault
- 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)

## TECHNICAL DATA OF SERIES

| Product name | Description           | Item number |
|--------------|-----------------------|-------------|
| Profinet     | Interface for S7-1200 | 542 409     |
| Profibus     | Interface for S7-1200 | 542 431     |
| Modbus RTU   | Interface for S7-1200 | 542 399     |
| Modbus TCP   | Interface for S7-1200 | 542 400     |
| BACnet       | Interface for S7-1200 | 542 401     |