



## CU:RO – compact units

- for demineralization of water through reverse osmosis (RO)

### Ready for use

Our new series of frame-mounted CU:RO compact units consists of a complete reverse osmosis system with integral pretreatment on the same stainless steel frame – ready for use.

### Flow rates

This series for demineralization of water includes five different sizes with flow rates ranging from 0.35 to 1.75 m<sup>3</sup>/h, each available with three pretreatment options.

### Pretreatment

Proper pretreatment of the feed water to a reverse osmosis system is a prerequisite of continuous smooth running. The purpose of pretreatment is to prevent clogging of membranes with suspended solids, scale-forming minerals and mechanical impurities. The complete system comprises a softener and a reverse osmosis unit with prefilter. Through softening, the hardness minerals that clog membranes are removed. A back-flow preventer to separate the unit from the public water supply is standard on all units. If the water contains free chlorine, an activated carbon filter is installed to remove chlorine.

The following pretreatment options are available:

- one-tank softening plant
- two-tank softening plant
- activated carbon filter and one-tank softening plant

### Advantages

The CU:RO compact units offer the following advantages:

- ready for use when supplied:
  - all internal piping and wiring are factory-built, thus minimizing the risk of installation defects
  - the whole plant has been performance and pressure tested in our factory
  - the plant is fitted together on a stainless frame with front plate of polypropylene
  - fillings, cartridge filters, and membranes are inserted

- complete solution with a number of standard pretreatment options facilitating purchase and dimensioning
- frame mounting makes installation easy and safe
- compact design saves space
- unit comes with prefilter
- control cabinet for power supply with main switch, automatic switches, motor protection, and dry-run protection of RO pump
- conductivity measuring with temperature compensation and output signal (4-20 mA)

### SE30 control panel

A EUROWATER designed control system integrating an operator panel and a programmable logic controller (PLC) is accessible on the front as are flowmeters and pressure gauges. The control can also be

integrated in an existing SCADA system.

The control panel has

- easily accessible and user-friendly interface
- large, illuminated display for optimum control and monitoring
- standardized menu structure available in several languages
- user-friendly keys on the panel front in conformity with protection class IP54

### For more information

Please contact us for further information on the units.

