

# Compact units type CU:RO

- for demineralization of water through reverse osmosis (RO)



## Ready for use

Our series of frame-mounted compact units type CU:RO for demineralization of water comprises a complete reverse osmosis system with integral pretreatment on the same stainless steel frame – ready for use. The concept offers the following advantages:

- complete solution with a number of standard pretreatment options facilitating purchase and dimensioning
- frame mounting with factory-built internal piping and wiring ensures easy and safe installation
- the whole plant has been performance and pressure tested, thus minimizing the risk of defects
- compact design saves space

## Flow rates

The series includes five different sizes with flow rates ranging from 0.4 to 2.0 m³/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. If the water contains free chlorine, this can be removed in an activated carbon filter.

The following pretreatment options are available:

- One-tank softening plant
- Two-tank softening plant, parallel operation
- Two-tank plant with combined filling for softening and removal of free chlorine, parallel operation

## Complete system

In addition to reverse osmosis, the complete system offers:

- back-flow prevention to separate the unit from the public water supply
- softener
- mechanical prefilter
- control board for power supply with main switch, automatic switches, motor protection, and dry-run protection of the reverse osmosis pump
- conductivity measuring with temperature compensation
- control system with control panel and programmable logic controller

Fillings, cartridge filters, and membranes are all inserted from factory.

## User-friendly operation

The unit is user-friendly, since control, flow meters and also pressure gauges are operated from the unit front.

## For more information

Please contact us for further information on the units.

