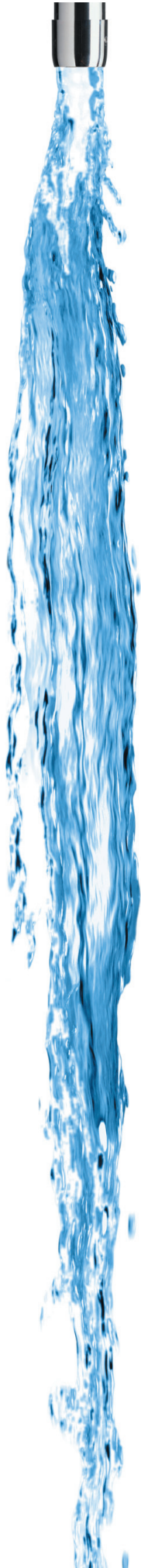


UniRo C & R. Reverse Osmosis Unit, compact system



Water treatment for perfectionists

Guldager UniRo systems are designed to meet high demands to water quality and design.

In a softening unit all lime and magnesium salts are removed from the water. This is not always enough, there are still some mineral salts left which might cause problems to the dishwasher in a large-scale kitchen or in technical installations. The membranes in Guldagers UniRo 150-450 systems retain 95-98% of all salts.

The UniRo 150-450C range meet needs from the small dishwasher to medium size plants. The cabinet is embedded in plastics and adapted to meet the requirements in a modern large-scale kitchen in regard to aesthetics, and a cleaning-friendly surface. The plant is mounted on wheels, which ensures ergonomic and hygienic cleaning. The plant is easily installed. The plant will stop automatically if the water pressure gets too low. The reservoir contains 35-80 litres.

UniRo C is designed for installations where high water quality is important, but less space is available. Softening filter is not necessary. If higher capacity (more than 450 l/h) is required, we refer to our other plants in the UniRo range.

The plants are approved in Denmark (VA approval) and in Europe (CE approval).

Function

Reverse osmosis is a membrane separation process, where water molecules are pressed through a membrane, at high pressure. The dissolved salts are removed at almost 100% and even micro organisms, bacteria and pyrogenes are retained. The permeate is pumped from the reservoir to the place of consumption.

Application

The plant can, advantageously, be used in technical water installation where environment, high efficiency and reduction of the content of lime and salt are of great importance.

- Humidification
- District heating systems
- Boiler water and steam production
- Dishwashers
- Other processes where lime and mineral salts cause problems

Guldager's Service System

Guldager's service system has been developed through 60 years. It contains all available softening, decarbonisation and reverse osmosis plants.

UniRo type	150C	210C	450C	210R	450R
Output, l/h at 15 °C	150	210	450	210	450
Water utilization, %	50	50	50	50	50
Salt retention, %	> 95	> 95	> 95	> 95	> 95
Water quality, µS	< 25	< 25	< 25	< 25	< 25
Reservoir, l	35	80	80	450	450
Electricity connection, V/Hz/A	230/50/10	230/50/10	230/400/50/10	230/50/10	230/400/50/10
Electricity consumption, kW	1,4	1,4	1,9	1,9	1,4
Pipe dimension, IN/OUT, BSPT	¾"	¾"	¾"	¾"	¾"
Outlet, mm, Push-in	12	12	12	12	12
Height, mm	760	760	760	1350	1350
Width, mm	250	450	450	Ø770	Ø770
Depth, mm	560	560	560		