

## CUMRO High Quality Reverse Osmosis 140 - 560 l/h

### Function

The CUMRO HQ produces permeate (reverse osmosis water) with a conductivity <math><20 \mu\text{S}/\text{cm}</math>. It is used as a gatekeeper to prevent any bacteria or viruses to enter a humidification system and to reduce the mineral content in the humidification water.

### Main Features

- Modular and flexible design
- Energy efficient
- Integrated conductivity meter
- Water Fresh system to increase legionella safety
- Fully stainless steel frame
- Low maintenance and high life span
- Fully integrated in Cumulus humidification systems
- External warning signal to building control system
- Can be used stand-alone for water production for printing presses, laboratories, etc



### Technical specifications

	CUMROHQ 140	CUMROHQ 280	CUMROHQ 420	CUMROHQ 560
Production capacity [l/h]	140	280	420	560
Dimensions [mm] [height x length x width]	800 x 850 x 350			
Weight [kg]	54	57	62	65
Number of osmosis membranes [pcs]	1	2	3	4
Pressure of the RO pump [Bar]	12 - 13			
Demineralization efficiency [%]	97 - 99%			
Voltage [Volt / Hz]	230 / 50			
Required capacity of inlet water [l/hr]	210	420	630	840
Min dynamic pressure of inlet water [Bar]	2	2	2	2
Max dynamic pressure of inlet water [Bar]	4			
Ambient temperature, min.-max. [°C]	5-40			
Maximal temperature inlet water [°C]	25			
Dry running safety for the pump	Included, set at 0.8 Bar			
Outlet pressure (adjustable)	2 - 5			
Water inlet (quick coupling) size	1/2 "			
Drain (reject) tube [mm]	10 x 8			
Demineralised water [ $\mu\text{S}/\text{cm}$ ]	<math><20</math>			
Pre-filtration of solid particles [ $\mu\text{m}$ ]	>10			
Nominal power (in operation) [kW]	0.50			
Max power [kW]	0.53			
Required power (stand by) [kW]	0.04			
Fuse [A]	6.3			
Pressure settings module	Automatic pressure regulation (self-regulating)			
Settings drain (reject)	Automatic (self-regulating)			
Water Fresh system	Included			
Control unit supplied with	manometers for pressure control; thermally secured electric motor; high pressure pump with 'Reset'-function external to the machine.			