

CUMRO 2000 Reverse Osmosis 500 - 2,000 l/h

Description of the device

The CUMRO 2000 produces permeate (reverse osmosis water) with a conductivity less than 20 $\mu\text{S}/\text{cm}$. 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



Specifications

	CUMRO 2000 - 500	CUMRO 2000 - 750	CUMRO 2000 - 1000
Production capacity [l/h]	500	750	1,000
Dimensions [mm] (width x depth x height)	600 x 650 x 1,600		
Weight [kg]	90	100	115
Number of osmosis membranes [pc]	2	3	4
Pressure of the RO pump [Bar]	12 - 13		
Deminerlization efficiency [%]	97 - 99%		
Voltage [Volt / Hz]	400 / 50		
Required capacity of inlet water [l/hr]	650	975	1,300
Min dynamic pressure of inlet water [Bar]	2		
Max dynamic pressure of inlet water [Bar]	4		
Ambient temperature, min.-max. [°C]	5-80		
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	3/4 "		
Drain (reject) tube [mm]	20 x 13		
Deminerlised water [$\mu\text{S}/\text{cm}$]	<20		
Pre-filtration of solid particles [μm]	>10		
Nominal power (in operation) [kW]	2.3		
Max power [kW]	2.2		
Required power (stand by) [kW]	0.04		
Fuse [Amp]	6.3		
Pressure settings module	Automatic pressure regulation (self-regulating)		
Settings drain (reject)	Automatic (self-regulating)		
Water Fresh® system	Included		
Control unit equipped with	2 manometers for pressure control; thermally secured electric motor; high pressure pump with 'Reset'-function external to the machine.		

Remark:

Standard capacities range up to 1,000 l/hr; for larger capacities, please contact us.

All specifications, photos and drawings are subject to changes.