

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

Description of the Device

The CUMRO 2000 produces permeate (reverse osmosis water) with a conductivity less than 20 µS/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
- WaterFresh® safety 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 Details

	CUMRO 2000 - 500	CUMRO 2000 - 750	CUMRO 2000 - 1000
Net water production capacity [l/hr] @ 8 and 15 °C	500 / 610	750 / 910	1,000 / 1,210
Required water capacity [l/hr] @ 8 and 15 °C	750 / 910	1,120 / 1,360	1,495 / 1,805
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		
Demineralization efficiency [%]	97 ~ 99%		
Voltage [Volt / Hz]	400 / 50		
Min dynamic pressure of inlet water [Bar]	2		
Max dynamic pressure of inlet water [Bar]	4		
Ambient temperature, min.-max. [°C]	5-80		
Maximum temperature ingoing 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		
Demineralised water [µS/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)		
WaterFresh® safety	Included		
Control unit equipped with	2 pressure gauges 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.

Subject to changes.