

ARO2000-Lowc

mod. A09.009

REVERSE OSMOSIS STANDARD SYSTEMS

The reverse osmosis systems series ARO-lowC have been designed and built specifically for the industrial sector (graphics, cosmetics, electroplating, drawing, mechanics...) where it is required up to 5 cubic metres per day of water with low salinity, with an economical and reliable system for a wide range of applications (preparation of water for wetting, for creams, to test the windscreen wipers, for the preparation of emulsion oils...)

The operation of the system is based on the principle of the reverse osmosis which uses semi-permeable membranes to separate the salinity in the water. The result is low salinity water (demineralised water) that can be stored in the 60 litres container (only for ENT1001A versions...) or in an outer container such as AROTANK equipped tank.

The ARO-lowC systems are simple and solid, assembled inside a strong metal painted structure with the simplified control electrical panel on the side, with the an "in-line" standard conductivity metre for water quality control.



CONFIGURATIONS

Model	max. range*	Membranes		estimated options			Notes
		number	type				
ENT1001A1	25	1	2514	-E22/1	-E1400...	60 litres storage to be chosen internal (standard) or external (option)	
ENT1001A2	50	2		-E22/1	-E1400...		
ENT1001A3	75	3		-E22/1	-E1400...		
ENT1001B1	120	1	4021		-E1400...	water storage only with an external reservoir	
ENT1001B2	240	2			-E1400...		-ENT9421

* litres/hour 25°C

SPECIFICATIONS



Main groups and specifications of the hydraulic section:

- ▶ pre-treatment: activated carbon cartridge;
- ▶ filtration: 5 micron filter;
- ▶ water connections: 3/4" GM inlet, outlet, waste and overflow;
- ▶ 60-liter water storage integrated system with 2.5 mc/h autoclave booster pump, 4 bar pressure (only for 800/60si/models).

Specifications of the electric control section:

- ▶ electrical control panel in accordance with IEC standards for system control;
- ▶ dry running protections;
- ▶ remote start/stop;
- ▶ abnormal working signal;
- ▶ 5 metres electric cable with three pole plug in conformity with IEC law;

Production: up to 5 mc/day;
Working pressure: 9-12 bar;
Water waste recycling: up to 50%;
Minimal dimensions: 800x500xH700;
Dry weight: 70 kg;
Supply: 220 Vca 50Hz;
Max electrical input: 1 kW.

ACCESSORIES

E1400-A

Pre-treatment with water-softener.

E1400-B

Pre-treatment with anti-scaling dosage.

E22/1

Permeate salinity control option as on AROMIX.

ENT9421

AROTANK range external tank for storage and permeate release with 600, 800, 1000 and 1200 litres capacity.

OPTIONS

The switchboard may include by request the following additional features:

- ▶ stop for overpressure;
- ▶ high conductivity signal;
- ▶ abnormal working remote signal;
- ▶ re-launching group control;

It is also possible to provide 380 Vca 50-60 Hz power

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