

Pure water system RO alpha 600 - 1200

The „all-in-one“ pure water system RO alpha fulfils highest industry standards for a reliable supply of pure water and maximum operational safety. Everything in one space-saving cabinet. Available up to 1200 l/h.

The ready-for-connection pure water system RO alpha has been developed to economically produce high quality pure water and feed, as required, various pure water storage tanks. Due to the compact cabinet the system can be placed wherever space is scarce and quiet operation is crucial. The digital controller displays and controls all operating and performance parameters. The pure water that Ready systems produce complies with appropriate standards such as ASTM and DIN EN 285 & 15883.



* The picture might show optional accessories

Scope of delivery

- ✓ Electronic control cabinet (IP 55): For all system components with a transparent door
- ✓ Pre-treatment unit: Activated carbon with 5µm prefilter against free chlorine and particles in the feed water
- ✓ Reverse osmosis unit: Retains salts and organic and inorganic impurities
- ✓ Digital microprocessor control: Displays and controls all operation and performance parameters (optional touch screen)

Reverse osmosis unit

- ✓ Concentrate recycling for minimum wastewater
- ✓ Measuring cell for determination of pure water conductivity
- ✓ Piping made of PA, PP and stainless-steel
- ✓ Solenoid valves for raw water and quality rinse
- ✓ Safety pressure switch for switch-off when the feed water pressure is too low
- ✓ High pressure pump for generation of the operating pressure with dry-run protection
- ✓ Reverse osmosis membranes with pressure tube and all necessary fittings
- ✓ Operating and feed water pressure gauge for system monitoring and fault diagnosis
- ✓ Flow meters for monitoring and adjusting the permeate and concentrate flow
- ✓ Regulating valves for setting the operating pressure and the WCF rate (proportional production rate)

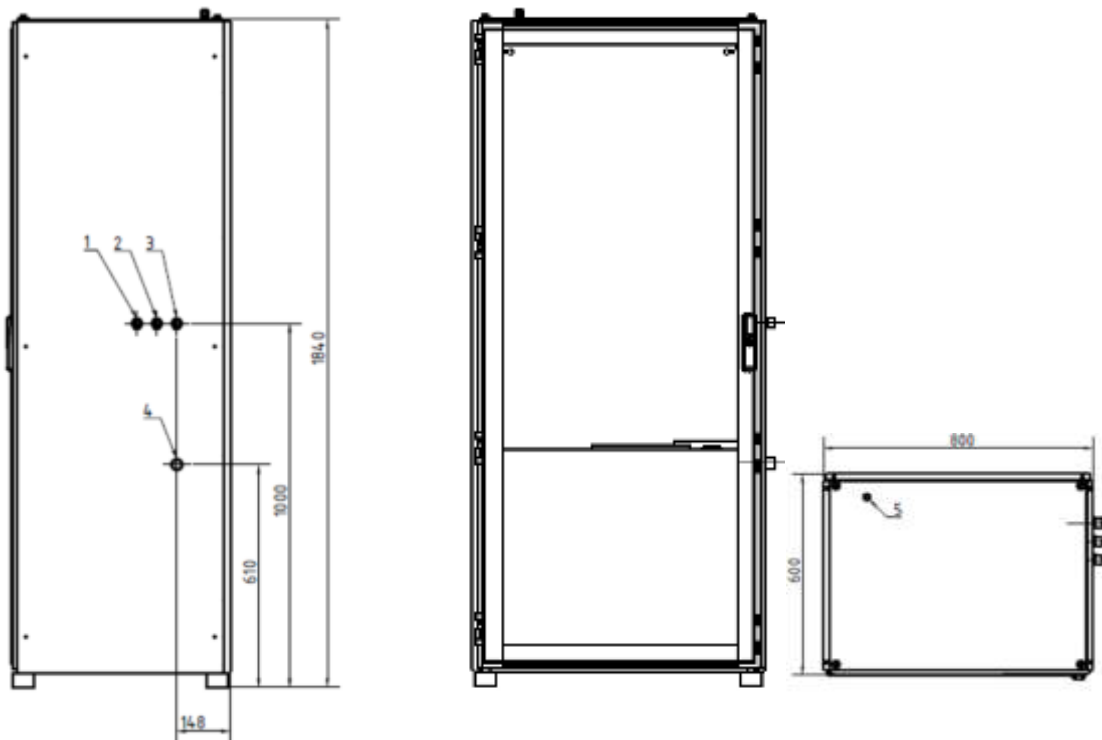


Optional components – Touch display

- ✓ Choice of languages (English, French, German)
- ✓ Graphic TFT display (800×480, touch panel) with easy to use menu
- ✓ Security of program information against supply failure
- ✓ Up to 6 Recorder outputs 0(4)-20mA for recording measurements
- ✓ Possible Relay card with 4 powered outputs and 3 potential free outputs
- ✓ Possible RS232 and RS485 communication for log data
- ✓ Possible Ethernet communication for web server, e-mail function and remote control



Dimensions:



Feed water requirements

Feed water quality	Potable drinking water acc. to DIN 2000
Conductivity at 25°C	< 2000µS/cm
Chlorine	< 0.01 mg/l
Iron and manganese	each < 0.05 mg/l
CO ₂	max. 15 mg/l
SiO ₂	max. 10 mg/l
pH value	4 to 11

Pure water specifications

Performance at 10°C	600, 900, 1200 l/h
Retention rate	> 99 % ions, germs and bacteria
Proportional production rate	up to 75 % (adjustable)

Technical data

Ambient and water temperature	+2 to 35°C
Raw water pressure	2 – 6 bar
Operating pressure RO	max. 14 bar
Connected load	3 kW
Supply voltage	3~230 Volt / 50-60 Hz
Connections	R 1"
Dimensions	W 800 x D 600 x H 1800 mm
Weight	approx. 200 kg

Ordering information

Systems	
Catalogue number	Description
10000323	Pure water system RO 600 alpha
10000324	Pure water system RO 900 alpha
10000325	Pure water system RO 1200 alpha
Options (integrated in the cabinet)	
Catalogue number	Description
10000338	Option - Graphic TFT display for RO alpha

*more accessories and peripheral devices (softener, tank, pressure pump etc.) available on request