09.

Industrial RO

Applications

Domestic / hotel industry
Ice makers
Glass washing
Household applications

aquabier

Aquabier system

Hotel and catering sector
Expresso machines
Ice cube makers

BeAqua1000

Beaqua system

Industrial sector and Horeca sector
Glass washing
Industrial dishwashers
Household applications

PureCleer
INDUSTRIAL REVERSE OSMOSIS

Mini system

Industry
Service / Consumption
Car wash tunnels
Industrial ice makers

PureCleer
INDUSTRIAL REVERSE OSMOSIS

Panel - RO system

Industry
Cooling towers
Agriculture and chemical industry

PureCleer
INDUSTRIAL REVERSE OSMOSIS

Base - RO system

Industry
Pharmaceutical
Electronics

PureCleer
INDUSTRIAL REVERSE OSMOSIS

Standard - RO system

Eco+Pump 750

ECO+P750

Reverse osmosis systems for the production of low mineralisation water.

Description
6-stage system (5 µm filtration, GAC carbon, BLOCK carbon, pump, membrane). Installation and connection kit.

Operating parameters
Max. salinity: 2000 ppm.
Max. hardness: 15 °F.
Bacteriologically drinkable water.
Min. pressure: 1 kg/cm^2.
Max. pressure: 4 kg/cm^2.
Production: 750 L/day.
Temperature from 5° to 35 °C.

Eco+Pump 750 series

General specifications
Production 750 L/day.
3 white 10” filter housings.
5 µm 10” melt blown polypropylene pre-filter.
10” GAC carbon filter.
10” BLOCK carbon filter.
Pressure pump.
Low pressure switch.
High pressure switch.
Electrovalve 1/4”.
2 Membrane housings.
Mixing valve.
Wrench for filter housings.
2 x 150 GPD 2012 membranes.
Check valves.
Drain connector.
Adaptor with ball valve for inlet water.
Time-controlled electrovalve for membrane flushing.
Connection accessories.
Operating voltage: 220 V single-phase/50 Hz.

Dimensions
Height: 410 mm.
Width: 220 mm.
Length: 415 mm.

Code	Model	Packaging units
404302	System with pump ECO+PUMP 750	1

! Please, ask for other voltages and frequencies.

Comercial RO

Reverse osmosis systems for domestic and semi-industrial applications.

Description
Thanks to the small dimensions and high performance, this system is ideal for small business, the hotel and catering sector or industrial applications, which require high quality water.

Includes all necessary treatment stages. Its performance can be notably improved, if soft water is used.

CL-150 series

General features
Production 567 L/day.
3 white 20” filter housings.
5 µm 20” melt blown polypropylene pre-filter.
20” GAC carbon pre-filter.
20” BLOCK carbon pre-filter.
Booster pump UP-7000/36VDC.
Low pressure switch.
High pressure switch.
Current transformer/adaptor .
Inlet electrovalve.
2 x 75 GPD membranes.
GAC post-carbon filter 2”x10.
Stainless steel check valve.
Recirculation valve to improve the system’s recovery.
Drain connector.
Ball valve adaptor for inlet water.
Time-controlled electrovalve for membrane flushing.

Technical specifications
Input voltage: 220 V single-phase/ 50/60 Hz.
Operating voltage: 36/24 VDC.
Max. TDS: 1500 ppm.
Max. hardness: 20 ºHF.
Working temperature: 4-40 ºC.
Inlet pressure: between 2 and 6 bar.

Dimensions
Height: 670 mm.
Width: 450 mm.
Length: 250 mm.

Appropriate pre-treatment must be considered according to the quality of water to be treated.

Production calculated at 25 ºC, 250 ppm and using softened water.

Code	Model	Production L/day	Water recovery %	Membranes units
581700	CL-150	567	55	2 x 1812-75 GPD

! Please, ask for other voltages and frequencies.

Aquabier

Designed in Barcelona

Front view

Internal view

aquabier

Reverse osmosis equipment with accumulation for catering.

Designed for feeding dishwasher, ice machines, soda dispensers, coffee machines.

Aquabier

Thanks to the compact design and high performance, this system is ideal for hotel industry, specialy for dishwasers that requires high quality water and constant pressure.
It incorporates all necessary stages and a stainless steel pressure group.

General features
Production: 750 L/day.
3 white 10” filter housings.
5 µm 10” melt blown polypropylene pre-filter.
10” GAC carbon pre-filter.
10” BLOCK carbon pre-filter.
Pressure pump.
Motor 1/2 HP.
Current transformer/adaptor 220 VAC -24 VDC for operation.
Inlet electrovalve.
Low pressure switch.
High pressure switch.
2 x 150 GPD 2012 membranes.
Flow restrictor for rejection 1000 cc.
Check valve.
Time-controlled electrovalve for membrane flushing.
Water tank: 45 L.
Stainles steel pressure group 1/4 HP.
Front display.

Technical specifications
Operating voltage: 220 V single-phase/50 Hz.
Max. TDS: 1500 ppm.
Max. hardness: 15 TH.
Working temperature: 4-40 ºC.
Inlet pressure: between 2 and 6 bar.
Outlet pressure: 3 bar at 11 L/m.

Dimensions
Height: 833 mm.
Width: 478 mm.
Length: 458 mm.
Production calculated at 25 ºC, 250 ppm and using soft water.

Code	Model	Production L/day	Membranes units	Packaging units
796207	White AQUABIER. Lacquered galvanized iron cabinet	750	2 x 2012-150 GPD	1
796208	Stainles steel AQUABIER. Stainles steel 304 cabinet	750	2 x 2012-150 GPD	1

Water tank and pressure boosting system side view

Beaqua

Reverse osmosis systems for domestic, community and semi-industrial applications.

Description
Thanks to the small dimensions and high performance, this system is ideal for small business, the hotel and catering sector or industrial applications, which require high quality water.

Includes all necessary treatment stages. Its performance can be notably improved if soft water is used.

Beaqua

General specifications
Production: 3400 L/day.
3 white 20” filter housings.
5 µm 20” melt blown polypropylene pre-filter.
20” GAC carbon pre-filter.
20” BLOCK carbon pre-filter.
Rotary vane pump 400 L/h.
Motor 1/2 CV.
Low pressure switch.
High pressure switch.
Current transformer/adaptor for operation.
Inlet electrovalve.
3 x 300 GPD 2812 membranes.
Flow restrictor for rejection 2500 cc.
Check valve.
Time-controlled electrovalve for membrane flushing.

Technical specifications
Operating voltage: 220 V single-phase/50 Hz.
Max. TDS: 1500 ppm.
Max. hardness: softened water.
Working temperature: 4-40 ºC.
Inlet pressure: between 2 and 6 bar.

Dimensions
Height: 725 mm.
Width: 620 mm.
Length: 385 mm.

Appropriate pre-treatment must be considered according to the quality of water to be treated.

Production calculated at 25 ºC, 250 ppm and using soft water.

Automatic flushing system with permeated water built-in (Pressure tank required).

Code	Model	Production L/day	Water recovery %	Membranes units
796204	BEAQUA	3400	40-55	3 x 2812-300 GPD

Options

Code	Description	Material	Capacity galons	Packaging units
262703	Pressure tank for flushing with osmosis water	Stainless steel/plastic	4.2	1

! Please, ask for other voltages and frequencies.

Purecleer

Mini Medium Salinity

Designed in Barcelona

PureCleer
INDUSTRIAL REVERSE OSMOSIS

Specially designed systems for domestic and industrial use.

Description
Automatic and compact systems assembled on an iron structure, with baked-on paint coating and anti-corrosion treatment.

Mini Medium Salinity

General specifications
2 x 9 3/4" housings for 5 and 1 µm filtration.
Brass electrovalves.
Low pressure switch.
Brass rotary vane pump.
TFC membranes.
Medium pressure PRFV housings.
Electrical power board with programmer and TDS.
Automatic flushing system.
Rejection flowmeter.
Production flowmeter.
Rejection adjustment valve.
Recirculation adjustment valve.
2 Pressure gauges.
Polyamide tubes.
Front panel made of lacquered, anodized aluminium.

Technical specifications
Operating voltage: 220 V single-phase/50 Hz.
Max. TDS: 2500 ppm.
Max. hardness: softened water.
Inlet pressure: between 2 and 6 bar.

Dimensions
Height: 900 mm.
Width: 400 mm.
Length: 450 mm.
Appropriate pre-treatment must be considered according to the quality of water to be treated.

Production calculated at 18 ºC and 2000 ppm.

Code	Production L/day	Water recovery %	Type of membrane	Membranes units
232700	1400	20 - 45	25 x 21	2
232800	2000	27 - 55	25 x 21	3
233000	3300	32 - 45	25 x 40	2

Options

Code	Description
238901	Flowmeter mixing kit + Electrovalve and needle valve for mixing water

Code	Description
239301	Digital conductivity meter for treated water

! Please, ask for other voltages and frequencies.

Panel Medium Salinity

Designed in Barcelona

PureCleer
INDUSTRIAL REVERSE OSMOSIS

Description
Automatic and compact systems assembled on an aluminium panel for wall mounting, and anti-corrosion treatment.

Panel Medium Salinity

General specifications
2 x 9 3/4" housings for 5 and 1 µm filtration.
Brass electrovalves.
Low pressure switch.
Brass vane rotary pump.
TFC membranes.
Medium pressure PRFV housings.
Electrical power board with programmable controller.
Automatic flushing system.
Rejection flowmeter.
Recirculation flowmeter.
Production flowmeter.
Rejection adjustment valve.
Recirculation adjustment valve.
3 Pressure gauges.
Polyamide tubes.
Front panel made of lacquered aluminium.

Technical specifications
Operating voltage 220/380 V single-phase/ three-phase/50 Hz.
Max. TDS 3500 ppm.
Max. hardness: softened water.
Inlet pressure between 2 and 6 bar.

Dimensions
Height: 1300 mm.
Width: 980 mm.
Length: 200 mm.
Appropriate pre-treatment must be considered according to the quality of water to be treated.

Production calculated at 18 ºC and 2000 ppm.

Code	Production L/day	Water recovery %	Type of membrane	Membranes units
233600	1680	19 - 35	25 x 40	1
233700	3360	32 - 45	25 x 40	2
233800	5040	42 - 55	25 x 40	3
233900	6720	48 - 65	25 x 40	4
234000	4800	30 - 50	40 x 40	1

Options

Code	Description
238901	Flowmeter mixing kit + Electrovalve and needle valve for mixing water

Code	Description
239301	Digital conductivity meter for treated water

! Please, ask for other voltages and frequencies. Upon request, this system can be supplied with a multicellular pump on the ground with two 4040 membranes, code 234101. Quoted under request.

Base Medium Salinity

Designed in Barcelona

PureCleer
INDUSTRIAL REVERSE OSMOSIS

Description
Automatic and compact systems assembled on an iron structure, with baked-on paint finish and anti-corrosion treatment.

Base Medium Salinity

General specifications
2 x 20" housings for 5 and 1 µm filtration.
Brass electrovalves.
Low pressure switch.
Stainless steel 304 multicellular pump.
TFC membranes.
Medium pressure PRFV housings.
Electrical power board with programmable controller.
Automatic flushing system.
Rejection flowmeter.
Recirculation flowmeter.
Production flowmeter.
Rejection adjustment valve.
Recirculation adjustment valve.
4 Pressure gauges.
Polyamide and PVC tubes.
Front panel made of lacquered, anodized aluminium.

Technical specifications
Operating voltage 380 V three-phase/50 Hz.
Max. TDS 3500 ppm.
Max. hardness: softened water.
Inlet pressure between 2 and 6 bar.

Dimensions
Height: 1700 mm.
Width: 500 mm.
Length: 650 mm.

Appropriate pre-treatment must be considered according to the quality of water to be treated.

Production calculated at 18 ºC and 2000 ppm.

Code	Production L/day	Water recovery %	Type of membrane	Membranes units
234300	1760	19 - 35	25 x 40	1
234400	3600	32 - 45	25 x 40	2
234500	5280	42 - 55	25 x 40	3
234600	7000	48 - 65	25 x 40	4
234800	4800	30 - 50	40 x 40	1
234900	9600	33 - 50	40 x 40	2
235000	14200	39 - 65	40 x 40	3
235100	19200	48 - 65	40 x 40	4
235101	24000	50 - 70	40 x 40	5
235102	28800	50 - 70	40 x 40	6

Options

Code	Description
238900	Flowmeter mixing kit + Electrovalve and needle valve for mixing water
239300	Digital conductivity meter for treated water
239200	Flushing system kit

! Please, ask for other voltages and frequencies.

Standard Medium Salinity

Designed in Barcelona

PureCleer
INDUSTRIAL REVERSE OSMOSIS

Description
Automatic and compact systems assembled on an iron structure, with baked-on paint coating and anti-corrosion treatment.

Standard Medium Salinity

General specifications
2 x 20" housings for 5 and 1 µm filtration.
Brass/SS/PVC inlet electrovalve.
Brass/SS flushing electrovalve or motorised valve.
Brass/SS low pressure switch.
Multicellular pump made of AISI 316 stainless steel.
TFC membranes.
PRFV housings.
Electrical power board with programmable controller.
Automatic flushing system with permeated water.
Rejection flowmeter.
Recirculation flowmeter.
Production flowmeter.
Mixing flowmeter.
Rejection adjustment valve.
Recirculation adjustment valve.
Mixing adjustment valve.
4 Pressure gauges.
AISI 316 SS/polyamide/PVC tubes.
Front panel made of lacquered, anodized aluminium.
Conductivity meter.

Technical specifications
Operating voltage: 380 V three-phase/50 Hz.
Max. TDS 6000 ppm.
Max. hardness: softened water.
Inlet pressure between 2 and 6 bar.

Dimensions
Height: 1700 mm.
Width: 1500 mm.
Length: 650 mm.

Appropriate pre-treatment must be considered according to the quality of water to be treated.

Production calculated at 18 ºC and 2000 ppm.

Code	Production L/day	Water recovery %	Type of membrane	Membranes units
236300	1760	19 - 35	25 x 40	1
236400	3600	32 - 45	25 x 40	2
236500	5280	42 - 55	25 x 40	3
236600	7000	48 - 65	25 x 40	4
236800	4800	30 - 50	40 x 40	1
236900	9600	33 - 50	40 x 40	2
237000	14200	39 - 65	40 x 40	3
237100	19200	48 - 65	40 x 40	4
237200	24000	50 - 70	40 x 40	5
237201	28800	50 - 70	40 x 40	6

! Note: the components of the materials used for manufacturing depend on inlet water.
For TDS values higher than 6000 ppm, please ask for a quotation. Please, ask for other voltages and frequencies.

TM

TM-1 / TM-2 Medium Salinity

Designed in Barcelona

Rear view pre-treatment

System front view

Description
Automatic and compact systems with pre-treatment assembled on an iron structure, with baked-on paint coating and anti-corrosion treatment.

Standard Medium Salinity

General specifications
2 x 9 3/4" housings for 5 and 1 µm filtration.
Brass electrovalve.
Low pressure switch.
Brass rotary vane pump.
TFC membranes.
Medium pressure PRFV housings.
Electrical power board with programmable controller.
Automatic flushing system.
Rejection flowmeter.
Rejection adjustment valve.
3 Pressure gauges.
Polyamide tubes.
Front panel made of lacquered, anodized aluminium.

Technical specifications
Operating voltage 220 V single-phase/50 Hz.
Max. TDS 3500 ppm.
Max. hardness: softened water.
Inlet pressure between 2 and 6 bar.

Pre-treatment
50 µm pre-filtration.
Duplex water softener with 60 litres per bottle.
60 litre chlorine removal filter.

Dimensions
Height: 1700 mm.
Width: 1500 mm.
Length: 650 mm.

Production calculated at 18 ºC and 2000 ppm.

Code	Production L/day	Water recovery %	Type of membrane	Membranes units
629700	4800	30 - 50	40 x 40	1
629800	9600	33 - 50	40 x 40	2

! For TDS values higher than 3500 ppm, please ask for a quotation.
Please, ask for other voltages and frequencies.

Purecleer compact

Compact 403 Medium Salinity

Designed in Barcelona

PureCleer
INDUSTRIAL REVERSE OSMOSIS

Description
Automatic and compact systems assembled on a painted iron structure, and with anti-corrosion treatment.

Compact 403 Medium Salinity

General specifications
Multi-cartridge system for filtration.
Pneumatic electrovalves.
Low pressure switch.
Multicellular pump made of SS 316.
TFC membranes.
PRFV housings.
Electrical power board with programmable controller.
Automatic flushing system with permeated water.
Rejection flowmeter.
Production flowmeter.
Rejection adjustment valve.
Glycerine pressure gauges.
PVC/stainless steel tubes.
Inlet and outlet conductivity meter.

Technical specifications
Operating voltage 380 V three-phase/ 50 Hz.
Inlet pressure between 2 and 6 bar.

Dimensions
Depending on the quotation.

Production calculated at 18 ºC and 2000 ppm.

Appropriate pre-treatment must be considered according to the quality of water to be treated.

Code	Production L/day	Water recovery %	Type of membrane	Membranes units
237600	43000	50 - 70	40 x 40	9
237700	57000	50 - 70	40 x 40	12
237800	77000	50 - 75	40 x 40	16

Options

Code	Description
239500	Redox potential
239400	PHmeter

! These systems are quoted under request.
Please, ask for other voltages and frequencies.

Compact 800 Medium Salinity

Designed in Barcelona

PureCleer
INDUSTRIAL REVERSE OSMOSIS

Description
Automatic and compact systems assembled on a painted iron structure, and with anti-corrosion treatment.

Compact 800 Medium Salinity

General specifications
Multi-cartridge system for filtration.
Pneumatic electrovalves.
Low pressure switch.
Multicellular pump made of SS 316.
TFC membranes.
PRFV housings.
Electrical power board with programmable controller.
Automatic flushing system with permeated water.
Rejection flowmeter.
Production flowmeter.
Rejection adjustment valve.
Glycerine pressure gauges.
PVC/stainless steel tubes.
Inlet and outlet conductivity meter.

Technical specifications
Operating voltage 380 V three-phase/50 Hz.
Inlet pressure between 2 and 6 bar.

Dimensions
Depending on the quotation.

Production calculated at 18 ºC and 2000 ppm.

Appropriate pre-treatment must be considered according to the quality of water to be treated.

Code	Production L/day	Water recovery %	Type of membrane	Membranes units
237900	72000	50 - 55	80 x 40	3
238000	96000	50 - 60	80 x 40	4
238100	144000	50 - 70	80 x 40	6
238200	216000	50 - 65	80 x 40	9
238400	288000	50 - 70	80 x 40	12

Options

Code	Description
239500	Redox potential
239400	PHmeter

! These systems are quoted under request.
Please, ask for other voltages and frequencies.

Special projects

Reverse osmosis plant for water production in a chemical industry.

Puricom Europe has a technical department specialised in industrial projects, which allows us to meet your requirements.
A sample of some of the projects that have been carried out is shown below:

Complete Reverse Osmosis plants for brackish water, with a production of up to 2,000 m^3/day. This water can be used for irrigation, industry, drinking water…

Desalination plants to treat water with a high salinity level, for both brackish or sea water.

Double pass RO systems to obtain low conductivities for pharmaceutical processes, laboratories, …

If you need a special system, do not hesitate to contact us for a customised project.

Double pass RO plant for the production of high quality water for car wash.

Double pass RO plant to supply drinking water to a small Mediterranean village.