



BlueClear-RO-240

Part No.	Products description	Flow 25-10 °C	Connection	Pump Power	Prefilters Membranes
BlueClear-RO-40	Industrial reverse osmosis system with membranes	53-33 L/h	Inlet—3/8" Outlet—3/8" Drain—3/8"	300 W 230 V 1.6 A	1pc FCPPS-1005 1pc FCCTO-10 1pc ULP-21-2521
BlueClear-RO-80	Industrial reverse osmosis system With membranes	105-66 L/h	Inlet—3/8" Outlet—3/8" Drain—3/8"	300 W 230 V 1.6 A	1pc FCPPS-1005 1pc FCCTO-10 1pc ULP-21-2540
BlueClear-RO-130	Industrial reverse osmosis system With membranes	174-110 L/h	Inlet—3/8" Outlet—3/8" Drain—3/8"	300 W 230 V 1.6 A	1pc FCPPS-1005 1pc FCCTO-10 1pc ULP-21-4021
BlueClear-RO-240	Industrial reverse osmosis system With membranes	314-198 L/h	Inlet—1/2" Outlet—3/8" Drain—3/8"	550 W 230 V 4.4 A	1pc FCPPS-1005 1pc FCCTO-10 1pc ULP-21-4040
BlueClear-RO-480	Industrial reverse osmosis system With membranes	500-390 L/h	Inlet—1/2" Outlet—3/8" Drain—3/8"	750 W 230 V 5.4 A	1pc FCPPS-1005 1pc FCCTO-10 2pc ULP-21-4040

2014/ Reverse osmosis systems

Reverse osmosis system consisting of:

For desalination of filtered and softened or chemically conditioned water with a max. salinity of 1.000 mg/l (to be free of Chlorine, colloidal Silica, parameters as Ba, Sr, Mn, Al, F, PO4 and COD to be within WHO standards, turbidity \leq 0.5 NTU and SDI \leq 3) ,consisting of:

- 1 compact frame made of stainless steel
- 1 front table for control instruments made of PP
- 2 pre-filter made of PP incl. 5 μ m and activated carbon filter cartridges
- 2 set of glycerol filled pressure gauges, housing, housing made of stainless steel
- 1 solenoid valve made of brass for raw water
- 1 pressure switch for raw water, made of brass
- 1 high pressure centrifugal pump mainly made of brass
- 1 set (1pcs) of pressure vessels made of stainless steel
- 1 set (1pcs) of membrane modules made of composite membrane (PE, PS, PA*)
- 1 set of regulation valves for regulation of pressure and concentrate, made of brass
- 1 set of flow meters for permeate, concentrate made of polyamide
- 1 interconnecting piping made of PVC and PE
- 1 system for automatic rinsing of membrane modules
- 1 Microprocessor control panel according to EN 60204, DIN VDE 0113 standard - protection class IP 54 incl. digital conductivity meter, digital thermometer, adjustable limit value, operation meter, operation and malfunction LEDs, main switch, 1 potential-free contact for remote alarm, terminals for pre-treatment units as softener, feeder, hardness control, as well as level control for permeate tank.

Unit wired, pre-assembled and ready for installation.

*PE = Polyester, PS = Polysulfon, PA= Polyamide ; PP= Polypropylene

Attention:

We are produced according to EC (European Community) standards and will be delivered incl. EC conformity declaration as well as CE (Certificate European) plate.

* The max. recovery can only be adjusted in case of best raw water quality, fouling index \leq 3,0 problem free operation, and according to the needed permeate quality.

Technical Data	BlueClear-RO-40	BlueClear-RO-80	BlueClear-RO-130	BlueClear-RO-240	BlueClear-RO-480	unit
Permeate flow rate at 15°C	approx. 0,04	approx. 0,08	approx. 0,13	approx. 0,24	approx. 0,48	(m ³ /h)
Operating pressure	approx. 8	approx. 8	approx. 8	approx. 8	approx. 8	(bar)
Recovery*	max. 50	max. 50	max. 50	max. 50	max. 50	(%)
Raw water consumption	approx. 0,08	approx. 0,16	approx. 0,26	approx. 0,48	approx. 0,96	(m ³ /h)
Required raw water pressure (min./max.)	3 / 6	3 / 6	3 / 6	3 / 6	3 / 6	(bar)
Rejection rate	90—95	90—95	90—95	90—95	90—95	(%)
Mains supply	230/50	230/50	230/50	230/50	230/50	(V/Hz)
Power installed	0,3	0,3	0,3	0,55	0,75	(kW)
Connections: raw water, permeate, concentrate	3/8, 3/8, 3/8	3/8, 3/8, 3/8	3/8, 3/8, 3/8	1/2 , 3/8, 3/8	1/2 , 3/8, 3/8	(")
Dimensions: H x W x D	1140 x 500 x 630	1140 x 500 x 630	1140 x 500 x 630	1320 x 500 x 630	1320 x 500 x 630	(mm)