



BlueClear-RO-480-A

Part No.	Products description	Flow 25-10 °C	Connection	Pump Power	Prefilters Membranes
BlueClear-RO-40-A	Industrial stand or wall mounted 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-A	Industrial stand or wall mounted 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-A	Industrial stand or wall mounted 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-A	Industrial stand or wall mounted 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-A	Industrial stand or wall mounted 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

Part number	Optionals for BlueClear-RO-E serials	Measuring parameters	Net Price %
BC-RO-FM	Flow meter for show the volume of permeate	0 — max.500 l/h	+5%

2014/ Stand or wall mounted automatic reverse osmosis systems

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 main ball of raw water
- 1 front table for control instruments made of PP
- 1 pre-filter made of PP incl. 5 μ m filter cartridges
- 1 activated carbon filter cartridges
- 1 pressure gauges
- 1 pressure switch for raw water
- 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 made of polyamide (option)
- 1 automatic rinsing of membrane module before and after the water production
- 1 interconnecting piping made of PE
- 1 digital conductivity meter
- 1 control panel according to EN 60204, DIN VDE 0113 standard - protection class IP 54 incl. 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-A	BlueClear-RO-80-A	BlueClear-RO-130-A	BlueClear-RO-240-A	BlueClear-RO-480-A	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	1180 x 550 x 230	1520 x 550 x 230	1180 x 550 x 230	1520 x 550 x 230	1520 x 550 x 230	(mm)