

## 2014/ Stand or wall mounted manual reverse osmosis systems



Part No.	Products description	Flow 25-10 °C	Connection	Pump Power	Prefilters Membranes
BlueClear-RO-40-M	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-M	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-M	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-M	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-M	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-M serials	Measuring parameters	Net Price %
BC-RO-CM	Conductivity measure instrument with probe and LCD digital display	0 — 199.9 µS/cm	+10%
BC-RO-FM	Flow meter for show the volume of permeate	0 — max.500 l/h	+5%

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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 $\mu$ 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 of pressure vessels made of stainless steel
- 1 set 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 interconnecting piping made of PE
- 1 system for manual rinsing of membrane modules
- 1 digital conductivity meter (option)

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-M	BlueClear-RO-80-M	BlueClear-RO-130-M	BlueClear-RO-240-M	BlueClear-RO-480-M	unit
Permeate flow rate at 15°C	approx. 0,04	approx. 0,08	approx. 0,13	approx. 0,24	approx. 0,48	(m <sup>3</sup> /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 <sup>3</sup> /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)