



Reverse Osmosis Systems **BK Series**

The BK Series reverse osmosis systems are a proven range of quality engineered units, designed to provide demineralised water 24 hours a day.

All models are fully automatic, and designed for efficient and reliable operation, with straight forward maintenance.

The main control panel incorporates a programmable micro-processor, which continuously monitors product water quality, and initiates the various plant sequences.

Every plant is configured to each customer's treated water quality needs.

- Proven operation in Catering, Building Services, Healthcare, Horticulture, Manufacturing and Pharmaceuticals
- Fully automatic with the latest in microprocessor control
- Efficient reliable operation and running costs
- Low maintenance costs

TECHNICAL DATA

Connections

Inlet: NW25/32/PVC28/40mm
 Outlet: NW25/PVC32mm
 Drain: NW50/PVC63mm

Required inlet pressure: 2-4 bar
 Feed water temperature: 5-25°C

Acceptable feed water quality

Conductivity: < 1500µS/cm
 Free chlorine: < 0.1mg/l
 Iron: < 0.1mg/l

Typical performance

Recovery: 75%
 Salt rejection: approx 98%

Electrical connections 400V 50Hz

Skid details

Material: Stainless Steel
 Width BK05-08: 1400mm
 Width BK10-16: 2800mm
 Depth: 650mm
 Height: 1700mm

Control unit

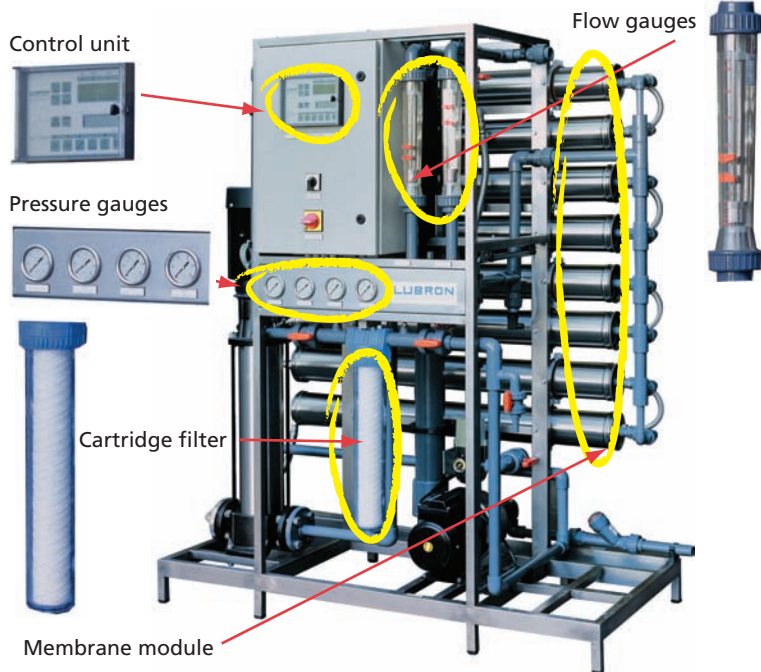
Microprocessor controller with integrated user interface. Continuous display of treated water conductivity, plant status and hours run.
 Fully programmable, 2-level alarm contacts, and input/output for level controls and ancillary equipment.

PRODUCT RANGE

Model	Capacity at 15°C		Required Inlet Flow* l/h at 2.4 bar	Membrane Pressure in bar	Electrical Power in kW	
	l/h	m ³ /day			Installed	Consumed
BK05.40	1160	27.8	1547	16.0	2.2	1.72
BK06.40	1500	36.0	2000	17.0	3.0	2.14
BK07.40	1700	40.8	2267	17.0	3.0	2.20
BK08.40	1850	44.4	2467	16.5	3.0	2.23
BK10.40	2400	57.6	3200	17.0	4.0	3.85
BK12.40	2800	67.2	3734	17.0	4.0	3.88
BK14.40	3200	76.8	4267	16.5	4.0	3.45
BK16.40	3600	86.4	4800	16.5	4.0	3.49

* At given capacity and recovery of 75%.

GENERAL ARRANGEMENT



OPTIONS

A full range of compatible options are available, including

- Water Softeners
- Permeate Storage Systems
- UV-disinfection
- Polishing for special requirements

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