

# Reverse Osmosis Systems CK Series



The CK 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.

## TECHNICAL DATA

### Connections

Inlet: NW40/65/PVC50/75mm  
 Outlet: NW40/65/PVC50/75mm  
 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 CK02-04: 1400mm  
 Width CK05-16: 2800mm  
 Depth CK02-10: 1000mm  
 Depth CK12-16: 1400mm  
 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.

### Options

A full range of compatible options are available, including

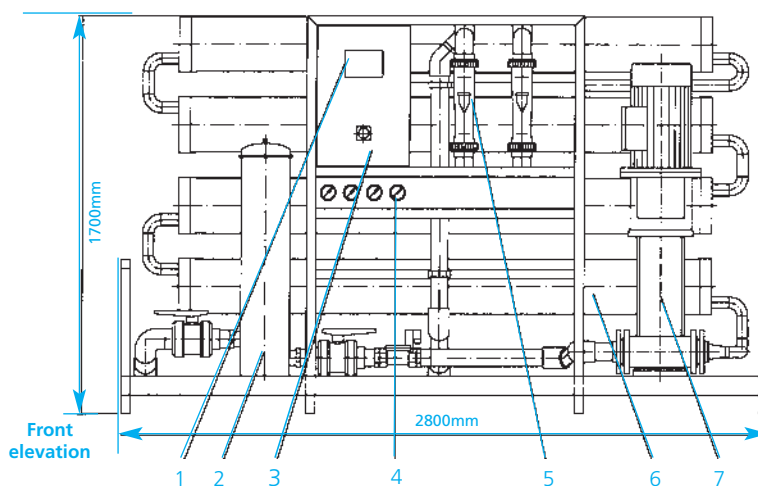
- water softeners
- permeate storage systems
- UV-disinfection
- polishing for special requirements

## PRODUCT RANGE

Model	Capacity at 15°C		Required Inlet Flow* l/h at 2.4 bar	Electrical Power in kW	
	l/h	m <sup>3</sup> /day		Installed	Consumed
CK02.400	2200	52.8	2933	4.0	3.1
CK03.400	3300	79.2	4400	4.0	3.3
CK04.400	4200	100.8	5600	4.0	3.3
CK05.400	5500	132.0	7333	4.0	4.0
CK06.400	6400	153.6	8533	4.0	4.0
CK07.400	7700	184.8	10267	7.5	4.6
CK08.400	8500	204.0	11333	7.5	4.7
CK10.400	10300	247.2	13733	7.5	6.4
CK12.400	11800	283.2	15733	7.5	6.5
CK14.400	14600	350.4	19467	11.0	8.4
CK16.400	15700	376.8	20933	11.0	8.4

\* At given capacity and recovery of 75%.

## GENERAL ARRANGEMENT



- 1 Conductivity display
- 2 Cartridge filter
- 3 Control panel
- 4 Pressure gauge
- 5 Flow gauge
- 6 Membrane module
- 7 High pressure gauge

### Lubron UK

Lubron UK Ltd  
 14 Commerce Way, Colchester  
 Essex CO2 8HH, United Kingdom  
 Tel: +44 (0)1206 866444  
 Fax: +44 (0)1206 866800  
 www.lubron.co.uk

### Lubron Nederland

Lubron Waterbehandeling B.V.  
 Mechelaarstraat 38  
 4903 RE Oosterhout (NB)  
 Postbus 540, Nederland  
 Tel: +31 (0)162-426931  
 Fax: +31 (0)162-459192  
 www.lubronwaterbehandeling.nl

### Lubron België

Lubron Belgium B.V.B.A.  
 Antwerpsesteenweg 124  
 B-2630 Aartselaar, België  
 Tel: +32 (0)3877 1519  
 Fax: +32 (0)3877 2884

### Lubron Deutschland

Lubron Wasseraufbereitung GmbH  
 Riedstrasse 27  
 71691 Freiberg am Neckar  
 Deutschland  
 Tel: +49 (0)7141 2986130  
 Fax: +49 (0)7141 2986159  
 www.lubron.de