

OSMOTECH 80L



30 years of experience
Domestic water treatment
and industrial.

Unit design

Stainless steel main frame, corrosion protected, housing the instruments and controls.

Special inlet filter with 100 µm-/5 µm-filter cartridge,

Pumpset consisting of high pressure piston-pump with flexible pressure-hose and overpressure-assembly for failsafety. **spirally wound modules** with energy-efficient PA/PS composite membranes in GRP vessel with inliner.

Valves for automated operation-, standby-cycles.

Pressure monitoring pressure gauges for inlet and outlet pressure pre-filters, operating pressure and concentrate pressure, pressure switch for monitoring the feed water pressure.

Permeate conductivity measurement, measuring range 20 - 2000 µS/cm.

Control cabinet with lockable main switch, electrical switchgear for control of the RO-unit

Microprocessor control system

For fully automated monitoring and control of the system with two line text display (16 characters per line) for display of operational status, permeate conductivity, temperature, operating hours, password-protected programming of the operating sequences. Malfunction displays for low pressure feed motor overload, high conductivity.

Additional connections: Inputs (low voltage) for level control with 1 or 2 float switches, shut-down by external signal (forced stop, regeneration),

Outputs for Pretreatment (230 V/50 Hz), solenoid valves for permeate discard and -recycling, and DDC (collective malfunction signal on volt-free changeover contact).

Unit is completely wired, pre-assembled and ready for installation.

Technical data		
Permeate flow rate max	l/h	80L
Salt rejection rate	%	98.5
Recovery	%	75
Concentrate flow rate min	l/h	20L
Operating pressure max	bar	8
Membrane element/number		4021
Voltage	V/Hz	220V
Motor power	kW	0.75
Feed water connection	DN	20
Permeate connection	DN	20
Concentrate connection	DN	20
Feed water pressure min/max	bar	2/6
Feed water temperature min/max	°C	5/35
Max. ambient temperature	°C	40
Dimensions (H x W x D)	mm	800 x 350 x 350
Weight approx.	kg	30
Code No.		01



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