

PRESTIGE^{SATELLITE}

Renal Reverse Osmosis Unit

- Multi patient reverse osmosis (RO) unit.
- Integrated pre-filtration.
- Easy to install and maintain.
- Graphical user interface.
- Point of use recirculation.
- Quiet operation.
- Semi-automatic chemical clean.



PRESTIGE^{SATELLITE} RENAL REVERSE OSMOSIS UNIT

UNIT DESIGN

Multi patient unit – Designed to supply 4-6 dialysis machines, depending on dialysis set up and machine type.

5µm pre-filter – Protects reverse osmosis (RO) membrane.

Integral tank - Protects against feedwater pressure fluctuations and allows easy cleaning.

Integral boost pump – Enables RO membranes to operate at optimum performance.

RO membrane – Removes up to 98% of dissolved minerals, and up to 99% of organic, bacterial and particulate contaminants.

Permeate divert on start-up - Ensures consistent permeate quality.

Audible alarm with mute facility – Provides an alarm monitoring permeate quality, cleaning chemical contamination and over pressure.

User friendly display – Back-lit display clearly shows information concerning the unit operation in both text and graphic formats.

Semi-automatic chemical clean – With automatic chemical draw, recirculation and rinse, cleaning is straight forward and trouble free.

Standby recirculation for use in ITU / Acute applications – Ensures the bacterial quality is maintained so that the unit is ready for immediate use.

Flexible start/stop facility – Interface to allow remote start/stop of the unit either via the dialysis machine, a programmable timer, or via a remote key switch.

RS232 Interface – Provides easy connection to a remote PC.

Point of use recirculation – The design of the system means that water continually recirculates to the point of use, ensuring the bacterial quality of the water is maintained.

TECHNICAL DATA

Output	@25°C (l/hr)	430
	@10°C (l/hr)	250
Feedwater Hardness (Max) ¹	ppm CaCO ₃	40
Feedwater Temperature (Min/Max)	°C	1 / 35
Feedwater Pressure (Min/Max)	bar	2 / 6
Free Chlorine	ppm Cl ₂	<0.1
Optional Pretreatment Cylinder ²		CC8
Pure water recovery	Max (%)	66
Feedwater consumption	Max (l/hr)	65l
Drain flowrate	Max (l/hr)	22l
Power requirements		100-230v/50-60hz
Dimensions (w, d, h)	mm	420x548x860
Weight (Working)	kg	66
Weight (Shipping)	kg	50

¹ For harder water a Purite water softener is required

² Optional pre-treatment required if free chlorine >0.1ppm or feedwater has a fouling index >5.

The unit is designed for a maximum TDS of 1000 mg/l, and a maximum colloidal index of 3.

The permeate recovery depends on the raw water quality and the type of pre-treatment.

Errors and omissions excluded. Purite reserves the right to change specification without notice.

ACCESSORIES

Wheel kit – Fully braked wheels designed specifically for the unit to facilitate easy movement.

Cleaning chemicals – A range of cleaning and sanitising chemicals to ensure the consistent operation of the unit and to prolong the life of the membrane.

DEALER:

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