

PORTABLE REVERSE OSMOSIS WATER PURIFIER FOR DIALYSIS

 | **DG series**
60 to 100 LPH

Make things easier for your nursing team and reduce maintenance and operational costs.

Meet IPABRAS mobile, all-in-one and robust reverse osmosis water purifier for home and acute dialysis.

High purity water is served directly for up to 2 dialysis machines at once, without the need of any storage tank.

With a strong stainless steel cabinet and robust pretreatment included for tap water, this purifier offers quick and easy transportation and installation. Just plug and use.



All-in-One

Built-in pretreatment for tap water with multigradient high capacity sediment and activated carbon block filters.



Single or Double Pass Reverse Osmosis

The purified water of the 1st membrane is repurified with a 2nd membrane, therefore obtaining up to 99.9% salt rejection and double microbiological barrier.*



Automatic Control

Online conductivity meter with alarm, lack of water alarm, hour meter to control the use and the correct moment to change replaceable parts and security features for automatic and safe use.



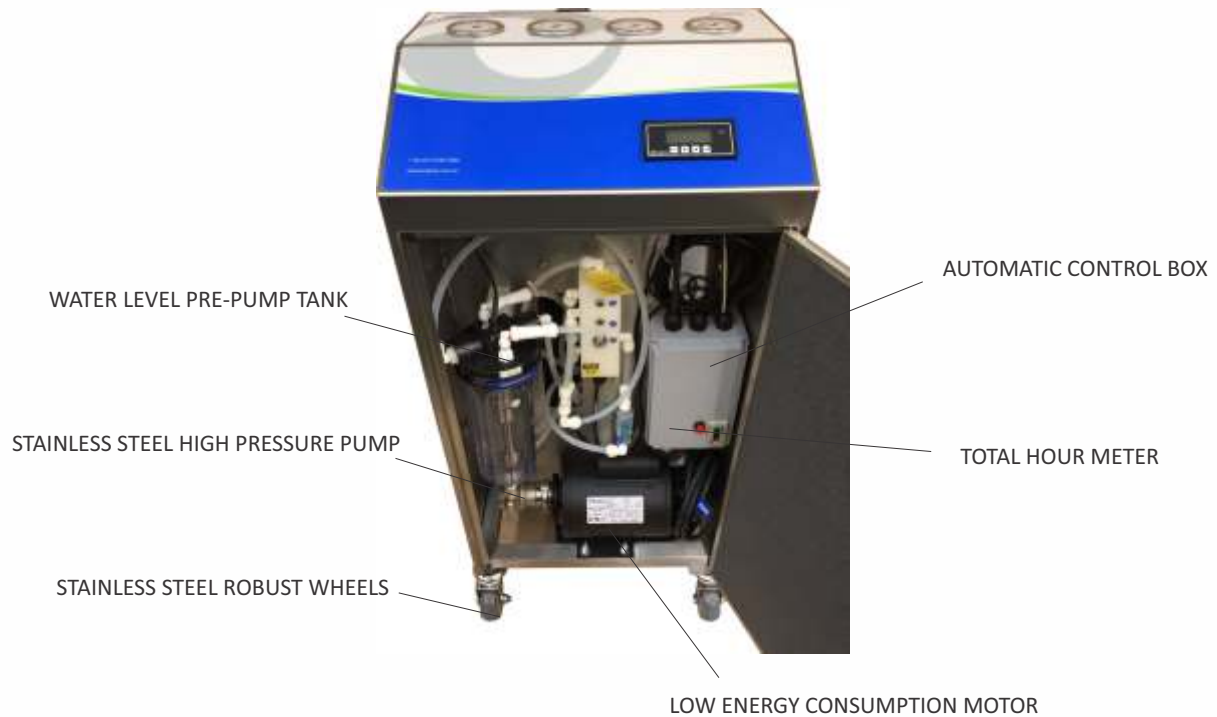
Water Saving

Concentrate and oversupply pure water recirculation valves save up to 95% of unused water.*

OUTSIDE EXPLODED VIEW: USER-FRIENDLY ERGONOMIC DESIGN



**INSIDE EXPLODED VIEW:
TECHNOLOGY AND ROBUSTNESS ONBOARD**



DIRECT FEED: UP TO 2 DIALYSIS PATIENTS SERVED DIRECTLY WITHOUT THE NEED OF ANY STORAGE TANK



SMART CONTROLLER

- ✓ Easy operation by pressing one button.
- ✓ Also automatic operation to fill storage tanks.
- ✓ Microprocessed automatic controller.
- ✓ Conductivity meter with alarm and adjustable setpoint.
- ✓ Total hour meter to control the usage of the purifier.
- ✓ Lack of water alarm.

SMART DISINFECTION

- ✓ Disinfection kit with 50ml bottle (reusable) and quick connect fittings.
- ✓ Bottled disinfection produces no vapors during the process.
- ✓ Bottled disinfection requires no additional space. Can be done wherever the machine is.
- ✓ Chemical mixing takes no longer than 4 minutes.
- ✓ Rinse usually takes 20-30min and can be easily controlled by the conductivity meter in the front panel.

WATER SAVING

- ✓ Permeate recirculation with automatic pressure valve.
- ✓ Concentrate recirculation valve.
- ✓ Water saving up to 95%.*

STANDARD PURIFICATION STEPS:

- ✓ 5 micron and 1 micron** sediment 10" cartridge filters.
- ✓ Activated carbon block 10" filter.
- ✓ Low energy high rejection reverse osmosis membrane (1 in single pass version, or 2 in double pass version).

OPTIONAL PURIFICATION STEPS:

- ✓ Portable softener or cartridge softener for high hardness level incoming waters.
- ✓ DI mixed bed for waters that requires conductivity levels lower than 1.3 $\mu\text{S}/\text{cm}$.
- ✓ U.V. for final sterilization (post-membrane).
- ✓ Endotoxin final inline cartridge filter.

OTHER FEATURES

- ✓ Permeate outlet pressure can be adjusted by user between 0.2 and 3.5 kgf/cm^2 .
- ✓ 304 stainless steel cabinet structure.
- ✓ 2 doors with keys (front and rear) for easy access for maintenance.
- ✓ Acoustic protection for silent operation.
- ✓ 304 stainless steel valves for rejection, recirculation, pump pressure and pressure relief.
- ✓ 304 stainless steel pressure pump, pressure vessel and pressure gauges.
- ✓ Quick connect PP fittings for easy maintenance.
- ✓ Post-carbon sampling valve.
- ✓ Purified water sampling valve.

PART#	ORPDG.D0060B	ORPDG.U0100B
PERMEATE FLOW*	60 LPH	100 LPH
DIALYSIS MACHINES SERVED DIRECTLY*	1	2
REVERSE OSMOSIS VERSION	Double pass	Single pass
SALT REJECTION PERFORMANCE*	95 - 99.5%	90 - 95%
MEMBRANES	2 x 4021	1 x 4021
UNIT SIZE	100x50x40cm	100x50x40cm
BOX SIZE	104x52x44	104x52x44
SHIPPING WEIGHT	69 kg	62 kg

*Water flow, performance and salt rejection are based in quality tests in our facilities with new and calibrated equipment, and can vary based on customer's incoming water conditions, system calibration, maintenance and time of use of the machine. Double pass reverse osmosis is an optional feature. IPABRAS can change any configuration or components without prior notice. Customer is entirely responsible to choose the machine with the right configuration for his demand. Hydraulic requirements: inlet drinking water free of oxidants, oils and total hardness, with free chlorine between 0.2 and 1.0 ppm, with maximum 100 $\mu\text{S}/\text{cm}$, with sufficient flow for permeate+concentrate @ 0.5 kgf/cm^2 . Electric requirements: standard 220V 60Hz / 110V 60Hz (no bivolt, please choose one). For other specific requirements please contact us.