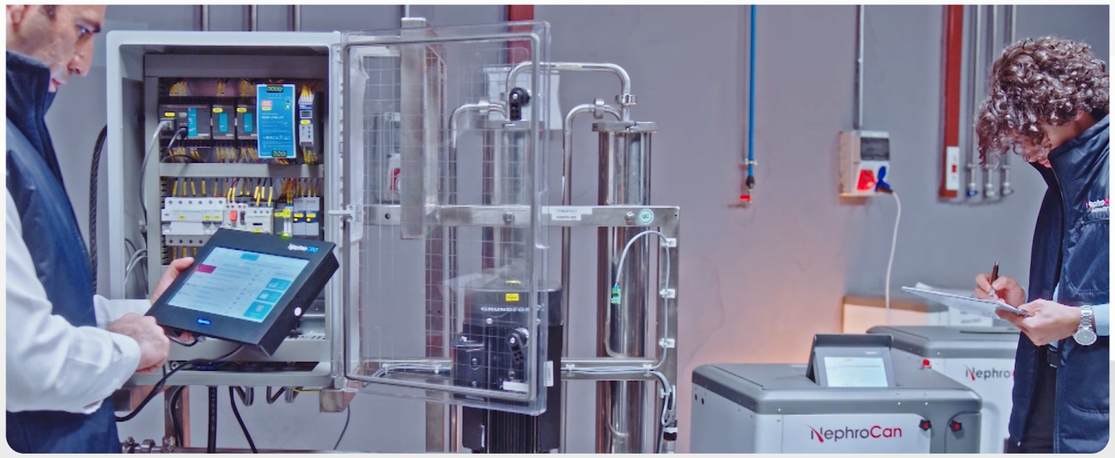
03 REVERSE OSMOSIS MACHINE

NephroCan is committed to providing the full treatment package suited to patient needs and requirements, regardless of facility or geolocation. With this, our specialized engineers have designed two Reverse Osmosis (RO) machines - NephroCRO and NephroPRO - for outpatient clinics, medical centres, and hospital wards.

Both machines use proven and reliable RO technology to provide purified water for use during hemodialysis treatments.

Features:

- Machine parts designed with high quality stainless steel
- User-friendly, touchscreen LCD control panel for clear display of operational functions
- Remote configuration and monitoring for optimal performance
- Parameter and alarm storage using flash USB memory for tracking and troubleshooting
- Compliant with all safety test requirements, including electrical and electromagnetic standards



PARAMETERS	Nephro CRO	Nephro PRO
Type	CENTRAL RO MACHINE	PORTABLE RO MACHINE
Description	With a sleek and transportable design, this modular RO machine is capable of increasing purified water capacity onsite	With a stylish, compact design, NephroPRO is mobile and suitable for small centres or hospital use within coronary care units (CCU) or intensive care units (ICU)
Stainless Steel	Ability to serve **up to 32** dialysis machines simultaneously. 400 L/hr to 2000 L/hr	Ability to serve **2** dialysis machines simultaneously. 100 L/hr
Material	316L Grade	316L Grade
Raw Water Connection Size	3/4”	3/8”
Electrical Phase / Frequency	Three-Phase / 50 Hz	Single-Phase / 50 Hz
Working Voltage	380 Volts AC	220 Volts AC
Capacity	Accommodates up to 32 dialysis machines	Accommodates up to two dialysis machines
Inlet Temperature	Max 45°C	Max 45°C
Max Inlet Conductivity	5000 µ/cm	5000 µ/cm
Permeate Pressure	Max 5 bar	Max 5 bar
Raw Water Pressure	Min 1 bar	Min 1 bar
Electrical Protections	Compliant with electrical safety standards, and includes FI switch, grounding system, bimetal switch, and phase controllers	Compliant with electrical safety standards, and includes FI switch, grounding system, and bimetal switch
Recovery Rate	70-80%	70-80%
Connection Port	Remote control-LAN and USB drive for data recording	Remote control-LAN and USB drive for data recording
Interface	Multi-language, with ability to create operator access levels	Multi-language, with ability to create operator access levels
Body Material	ABS	ABS
Other	» Continuous monitoring of critical parameters based on risk assessment, including conductivity, temperature and pressure » Programmable logic controllers, functional conductivity and temperature measurement sensors, pressure transmitters, solenoids, and high quality pump » Ability to monitor, plan and control each purifying process through a user-friendly touchscreen » Designed with an automatic and programmable rinsing system » Online operating system which feeds water into dialysis water loop suitable for centres » Pipeline made with high quality pipeline, 316L passivated stainless steel » Chemical disinfection and auto rinsing program » Double pass available for ultrapure water	» Equipped with functional pre-treatment system for global use, regardless of location or water quality » Continuous monitoring of critical parameters based on risk assessment, including conductivity, temperature, and pressure » Equipped with PLC, control board, functional conductivity and temperature measurement sensors, pressure transmitters, solenoids, and a high quality pump » Automatic cleaning mode for chemical and heat disinfection » Hot disinfection system included