



About Purite

Purite is one of Europe's leading designers, developers and manufacturers of high performance water purification systems for use throughout the healthcare and research sectors, and for a wide range of demanding industrial applications.

Our products range from small, self-contained laboratory units to fully integrated, high volume systems. Each provides real technical and commercial benefits to our customers, and is backed by comprehensive design, installation and commissioning services.

We have been established for 30 years, are accredited to ISO BS EN 9001:2000, and are part of Ondeo Industrial Solutions, a major water solutions provider which, in turn, is part of Suez Environnement.

Purite in haemodialysis
MediQA reverse osmosis units



PURITE
FIRST FOR PURE WATER

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MediQA for haemodialysis

Purite MediQA systems provide an innovative, high quality water purification solution for haemodialysis and haemodiafiltration units with ward sizes of six beds or more. MediQA water purification systems use proven reverse osmosis technology combined with either heat or chemical sanitisation, to provide a unique combination of performance, reliability and functionality.

The MediQA range is available with a wide choice of outputs and configurations, to meet your exact requirements. All units are supplied with integrated data logging as standard, are fully tested to meet the requirements of the Medical Device Directive (MDD) 93/42/EEC, and are CE marked as Class IIB Medical Devices.

MediQA technology

MediQA reverse osmosis units are manufactured in the UK under the control of ISO9001:2000 procedures, with full design and engineering traceability, and offer an unrivalled range of features and benefits:

- Choice of single or double pass RO configuration to meet a range of water qualities
- Purified water outputs from 500 l/hr
- Ability to run multiple units together to provide redundancy
- Integrated hot water sanitisation for enhanced microbiological performance (MediQA⁺)
- Skid mounted package with minimal footprint for ease of installation
- Advanced data logging functions, providing full traceability and analysis of operating conditions
- Touch screen interface for easy configuration and interrogation
- Automatic water and energy optimisation (MediQA⁺)

MediQA for flexibility, choice and performance

The MediQA range of reverse osmosis units provide a wide choice of options to meet the needs of your dialysis unit now and in the future.

- **Single and double pass reverse osmosis:** MediQA units are available as single or double pass, giving you maximum flexibility with regard to water quality. Multiple units can be configured together to provide a duty/standby configuration.
- **Membrane sanitisation:** The MediQA⁺ features integrated heat sanitisation technology ensuring that any potential for bacterial growth on membrane surfaces is minimised. Heat sanitisation procedures can be run automatically or on demand to sanitise the reverse osmosis membranes.
- **Pre-treatment options:** To maintain performance and provide protection for the reverse osmosis membranes, all MediQA units require pretreatment of the feedwater. Options available include nitrate and dissolved organic removal using specific ion-exchange resins, water softening using traditional technologies and Chlorine reduction, including Chloramines, through Activated Carbon adsorption.
- **System integration:** We design, manufacture and install fully integrated water purification solutions incorporating MediQA reverse osmosis units, complete with pre-treatment and all distribution pipework in either stainless steel or PEX. Systems can be sanitised with hot water or chemicals and monitored via building management systems (BMS) or locally by remote monitoring stations.
- **Traceability and control:** MediQA units feature advanced data logging technology as standard, with all information being available either via an integrated menu-driven touch screen display or downloaded to a remote PC via a memory stick. The stored data includes active status indicators, alarm conditions and performance logs with access to stored information being password protected.

