



FRESHWATER
SYSTEMS AUSTRALIA
EST 1991

Freshwater Systems Australia Pty Ltd

South Australia (Head Office)
9 Walsh Avenue
St Marys 5042

Victoria
11 Springbank Street
Tullamarine
Victoria 3043

+61 8 8351 7800
freshwatersystems.com.au
info@freshwatersystems.com.au



FRESHWATER
SYSTEMS AUSTRALIA
EST 1991

MEDICAL SOLUTIONS



Distributed in Vietnam by:
Viet Tin Phat Company Ltd
984b To Ngoc Van Sreet
Tay Ho District
Hanoi
Company Tax ID: 0106478967



ABOUT US



Freshwater Systems have developed a reputation for designing tailored water treatment plants since 1991. Over the years our technology has been fine-tuned to ensure hygienic high pure water systems are delivered to our customers. Having installed over 80 Reverse Osmosis Plants (RO) throughout many of Australia's Hospitals & Day Surgeries, Freshwater Systems is proud to be recognised as the industry leaders for Medical Water Treatment.

Equipment sourced & manufactured locally in South Australia, our custom built High Pure RO Plants are engineered to meet the requirements for AS4187:2014 & EN285 Final Rinse Water. Our Project Management & Design team will work with you to create tailored options for your CSSD requirements.

- Plant size
- Plant layout - to suit plant room dimensions
- Flow velocity
- Preferred disinfection method
- Programmable Heat Disinfection functions & circulating temperature
- Duplex RO Plant option for redundancy
- Duplex circulation Pump option
- Inline Thermal Protection valve option
- Remote Alert Station & HMI Monitoring Screen
- High Level Interface PLC with colour touch screen HMI
- Lease with buy back options
- Online and remote SCADA plant monitoring and control functions
- SMS & Email alerts
- Comprehensive Maintenance Program by fully qualified service technicians
- Auditing / Consultation services available

24/7 support to ensure your system remains operating within the design parameters.

We can also provide 'Risk Management Strategy for Infection Control & Prevention' as well as online plant monitoring support.

- Client focussed
- Complete hygienic engineering
- Manufacturing precision
- Value long term business relationships
- Customer based solutions
- Investment longevity
- 30 years of design & manufacturing experience

WE HAVE

- Successfully completed more than 20,000 heat disinfections on high pure water PEX Loops
- Installed a combined 25 kilometers of high pure CSSD and Renal RO pipework throughout more than 50 sites Australia wide
- Completed more than 10,000 Hygienic water samples testing in accordance with AS4187 & EN285
- Designed, installed and currently service water treatment plants within the Largest Hospital in Australia - New Royal Adelaide Hospital.

Final Rinse Water - Manual cleaning Manual Disinfection and Washer-Disinfectors

Substance	Specifications
pH	5.5 - 8.0
Conductivity at 20°C	≤ 30µS/cm
Total hardness	≤ 10mg CaCO ³ /L
Chloride	≤ 10mg/L
Iron	≤ 0.2mg/L
Phosphates (molybdate reactive)	≤ 0.2mg/L
Silicates (molybdate reactive)	≤ 1.0mg/L
Total viable count (see Note)	≤ 100cfu/100mL
Endotoxin	≤ 0.25EU/mL

Feed Water to a Dedicated Steam Generator - For Steam Sterilizers

Substance	Specifications
Evaporative residue	≤ 10mg/L
Silicates (molybdate reactive)	≤ 1.0mg/L
Iron	≤ 0.2mg/L
Cadmium	≤ 0.005mg/L
Lead	≤ 0.05mg/L
Heavy metals, excluding Iron, cadmium, lead	≤ 0.1mg/L
Chloride	≤ 0.5mg/L
Phosphates (molybdate reactive)	≤ 0.5mg/L
Conductivity at 20°C	≤ 5µS/cm
pH	5 - 7.5
Appearance	Colourless, clear without sediment
Hardness	≤ 0.02mg/L equivalent to ≤ 2mg CaCO ³ /L



Central Sterile Services Department



Day Surgeries



Renal Dialysis



Endoscopy



Pathology



Dental



Intensive Care Unit



Cosmetic Surgeries



Ophthalmology

OUR VALUED CUSTOMERS

- New Royal Adelaide Hospital
- New Calvary Hospital, Adelaide
- St Andrews Hospital
- Calvary Hospital, North Adelaide
- Lyell McEwin Hospital
- Noarlunga Hospital
- Memorial Hospital
- Northern Hospital
- Wallaroo Hospital
- Queen Elizabeth Hospital
- Murray Bridge Hospital
- Flinders Private Hospital
- Seaford Day Surgery
- Windsor Gardens Day Surgery
- Modbury Hospital
- Western Hospital
- Womens and Children's Hospital
- And More

