



# Healthcare

Water Solutions for  
CSSD | Endoscopy | Renal Dialysis

## Quality of Life

In Australia we have a world class lifestyle that's made possible by our world class healthcare system.

You play a critical role in delivering high quality patient care ensuring an improved quality of life for all. Whether it's private or public healthcare, everybody deserves the same level of care. And we believe no one should ever acquire an avoidable infection in hospital.

We're passionate about supporting you with reliable, compliant water filtration systems to ensure positive patient outcomes.

## Water Specialists

We're an Australian-owned water filtration company with over 20 years experience.

We specialise in engineering water filtration solutions for the following sectors:

- + **Healthcare** – microbial compliance for Endoscopy, CSSD and Renal
- + **Commercial** – rainwater harvesting, mains inlet protection, potable water treatment
- + **Industrial** – mains inlet protection, potable water treatment, process water treatment

From consultation to installation, we support clients with a team of expert water specialists and project managers to ensure a filtration solution is delivered on time and to budget. We use industry leading products that are watermarked and guarantee Australian Standard compliance.

Our solutions are backed by our Service Division of qualified and licensed technicians. They provide preventative and responsive service management, emergency response and spare parts.







## End to End Solutions

### Design: Expert Analysis

Prompt and expert analysis from our technical specialists

- + Tech advisor appointed within 2 hours
- + Site assessment conducted by expert technicians
- + Assessment report with compliance recommendations provided in 10 working days

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### Build: Solution Partner

Delivering an agreed solution, on budget and on time

- + Installation & commissioning
- + Project managed to ISO9001 standards
- + Staff training & troubleshooting resources provided

### Maintain: Ongoing support

Minimising disruptions and unnecessary downtime

- + 10 years compliance guaranteed
- + 24/7 on call tech support & fast emergency response
- + Remote monitoring
- + Timely reporting
- + Preventative maintenance by licensed technicians
- + Detailed reports
- + Planned maintenance schedules
- + Fast spare parts dispatch

# Renal Dialysis

## Contamination Control

With therapy outcomes centred around an improved quality of life for people undergoing Haemodialysis, we understand that every stage in the water purification process matters.

As Haemodialysis patients are exposed to in excess of 360 litres of water per week, contaminated water poses serious risks to their health & wellbeing.

Disconnection from any part of the decontamination chain can lead to a diminishing quality of life for all patients with chronic kidney failure. We take special care in providing a tailored solution specific for each hospital or renal clinic from the building's point of entry through to each dialysis machine.

## Purified Water

Our purified water solutions incorporate a minimum two stage filtration with thermal disinfection for the control of chemical and microbial contaminants.

We understand that water recovery via the purification plant should not be compromised by the level of water purity. For this reason, the HercoPur RO System\* we use incorporates a three-way reduction of water consumption thanks to demand-based control, recirculation of concentrate and the adjustment of concentrate for maximum utilisation, delivering up to 50% reduction in water consumption than traditionally designed RO systems. Typically, greater than 75% water recovery is guaranteed.

\*The HercoPur RO water purification system is entered in the Australian Regulatory Therapeutic Goods (302501)







## CSSD & Endoscopy

### Infection control

The cause of patient infection or death is often related to inadequate infection control. The quality of water used to clean Reusable Medical Devices plays a critical role in the prevention of patient infection – both microbial and chemical qualities.

Microbial purity can't be consistently achieved with chemically impure water. If nutrients such as Ammonia, Calcium, Phosphate and Iron are present in water it encourages bacteria proliferation. These nutrients also cause staining and spotting on RMD's where bacteria can harbour.

Every link in the decontamination 'chain' must be secure – from chemical purification to proactive and proven disinfection procedures for traceability. Achieving and maintaining water quality compliance is critical in the delivery of good patient care.

A well designed and maintained purified water plant not only controls the spread of hospital acquired infection but also assist in reducing reprocessing times, which in turn reduces surgery waiting time.

### Setting the water standard

Supporting the delivery of positive patient outcomes, we design, build and maintain water treatment solutions that consistently meet AS4187 compliance.

Engineered specifically for the healthcare sector, our systems are tailored to suit each site. We take into careful consideration the entire project scope from feedwater quality and the number of user points, to their respective water requirements and preventative measures required for long-term compliance.

We use automated disinfection processes that are proven & tested for the control of bacteria and biofilm. We implement critical design protocols that guarantee chemical & microbial compliance for the life of the plant.



# Projects



**Prince of Wales Private Hospital, NSW**  
CSSD water treatment system



**Lady Cilento Children's Hospital, QLD**  
Judo automatic backwash filters



**Armidale Hospital, NSW**  
CSSD water treatment system

# Your Water Solution Partner

We have supported a number of partners in the Australian healthcare sector with reliable, compliant systems to ensure positive patient outcomes.



Northern Health







Talk to an expert **1800 656 771**

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