



## Healthy water, QUALITY WATER

### Main Use

To provide treated water for the use in CSSD (Central Sterilisation Services Department) in compliance with AS/NZS 4187.

### Customer

Braemar Hospital

### Location

Hamilton, New Zealand

### Installation Date

December 2018

ACQUA by Davey Water Treatment System must be able to meet the following:

**Capacity:** 5,000L over a 12 hour period

**Peak flow rate:** 30L/min (potential to increase capacity by a further 30 percent if required)

## A system that runs seamlessly and provides treated water to be used to clean reusable medical devices...

Braemar Hospital in Hamilton is one of New Zealand's largest private hospitals. Delivering the very highest standard of care is important to Braemar. With the updated standard AS/NZS 4187 Amdt2:2019 being released the Hospital wanted to install a state of the art system that would meet the site requirements and comply with the Standard. This also needed to be future proofed and provide capacity for upgrades.

Braemar were after a solution that met AS/NZS 4187 Amdt2:2019 with an emphasis on supplying and installing a system that would run seamlessly and provide treated water to be used to produce reusable medical devices (RMD) that are able to be used safely without risk.

A unique problem for the site, was very limited space. The Acqua by Davey solution was a perfect fit as each system is custom designed and built to the customer's requirements. The system is pre-built on a stainless steel skid and tested before delivery to site.



At ACQUA by Davey, we understand no two jobs are the same. That's why we have a team of sales engineers and a specialised production department to tailor the system for your needs.



## THE ACQUA by Davey SOLUTION

The proposed Medical system was sized to meet the following requirements:

- Fixed flow rate, treating to a buffer tank at a treatment rate of 420 L/hour.
- Providing a system capacity of 5,000 L over a 12 hour period.
- Peak flow rate on demand is up to 30 L/min.
- The system supplied has the potential to increase capacity by a further 30 percent if required.

## BENEFITS

- Tailor made solution to fit the limited available footprint
- Designed and built to treat unique water chemistry, guaranteeing an efficient, high performance system with low running costs
- Pre-fabricated treatment module factory tested off site, minimising downtime and contractors on site.
- Turn-key solution complete with on-site commissioning
- A solution backed up by local support. Our team of engineers, technicians and maintenance personnel are readily available to assist with routine and unplanned maintenance activities.
- Installed within a day

## FUNCTION

- Consistent and improved water quality
- Reliability
- Compliance with AS/NZS 4187



The Medical skid unit was pressure tested and checked before installation, with installation taking no longer than a day.

## SYSTEM OVERVIEW

CHEMICAL TREATMENT PROCESS  
Pretreatment for maximised RO life and performance ensuring continuous water supply with adequate chemistry profile.

## ABOUT ACQUA BY DAVEY

Our solutions and team of experts can treat water for medical and healthcare services, food and beverage, community drinking and wastewater, farming operations and large commercial operations such as hotels and universities.

We know that each water solution need is different and depending on your circumstances and application, will require expert advice. This is where we come in, offering the best treatment solution to suit your needs and provide you with the systems to monitor results and help you adjust when and where you need to.