

CASE STUDY PRODUCT:
DAVEY VM200 PUMPS

CUSTOMER:
Charles Sturt University
Wagga Wagga, New South Wales

Breaking Records, Delivering Reliability: Davey's Largest-Ever Pump Set Transforms Water Supply at Charles Sturt University

In a landmark project for the Davey Commercial team, the largest pump set ever built in the history of Davey has been successfully completed and commissioned. This system, consisting of 3x Davey VM200 pumps, custom-fabricated 316 stainless steel manifolds and valves, and a heavy-duty steel base, represents a milestone in scale, precision, and execution for Davey.

The pump set has been installed at Charles Sturt University in Wagga Wagga, NSW, where it will provide reliable water supply for the campus and surrounding areas—helping the region accommodate growing demand due to rapid population growth.

The Challenge

Wagga Wagga has experienced significant population growth, placing increasing pressure on local water infrastructure. Charles Sturt University sought a solution that would:

- Meet stringent technical specifications as defined by the project's hydraulic consulting engineer.
- Provide scalability to ensure reliable performance as the population and water demand grew.
- Adhere to strict project timelines, which had previously been considered unachievable by other providers.

The Davey Solution

The Davey team developed and commissioned a custom pump set that met the exacting requirements of the detailed drawings and specifications provided for the project. The system includes:

- 3x Davey VM200 Vertical Multistage Pumps, offering high capacity and reliable performance.
- Custom-Fabricated 316 Stainless Steel Manifolds and Valves, ensuring durability and corrosion resistance in a high-demand application.
- Heavy-Duty Steel Base, providing stability and robust support for the system.
- Built to Specification: Every component was fabricated and assembled in accordance with the detailed design requirements specified by the hydraulic consulting engineer.

The system was completed on time and delivered by Davey to meet the project's critical and demanding timelines, a feat that had been deemed unattainable by other providers.



CASE STUDY: CHARLES STURT UNIVERSITY

Collaboration & Precision

The successful delivery of this pump set was a result of meticulous planning and seamless collaboration across multiple teams.

Their expertise and commitment were crucial in overcoming challenges and ensuring the successful build and commissioning of the largest Davey pump set in the company's history.

Impact & Benefits

The custom Davey pump set at Charles Sturt University offers significant benefits to the university and surrounding community:

- **Reliable and Consistent Water Supply:** Ensuring continuous access to water for the university and the growing Wagga Wagga region.
- **Future-Ready Design:** Scalable capacity that allows the system to adapt to future demand without requiring major upgrades.

Built for Longevity: High-quality materials and components ensure durability and reduced maintenance over time.

The successful delivery of the largest-ever Davey pump set marks a defining moment in the company's history. It showcases Davey's ability to meet highly technical and time-sensitive project requirements while working closely with consulting engineers and clients to deliver a solution that supports growing regional infrastructure.

Congratulations to everyone involved in making this milestone a reality. This achievement will stand as a testament to the innovation, collaboration, and expertise that define Davey's commercial capabilities.

