

CASE STUDY PRODUCT:
DAVEY 5148YEV PUMP

DAVEY DEALER:
Slater Pumps
373 Somerville Rd,
West Footscray VIC 3012



Remote Water Transfer Solution in Victoria's Grampians

In Victoria's remote Grampians region, where reliable water access is crucial for property maintenance and agricultural success, a property owner faced significant challenges with their water transfer system. The primary task was to efficiently transfer water from their main dam for irrigation purposes, a critical operation for maintaining the property's water supply. The remote location, combined with varying dam water levels, demanded a sophisticated yet robust solution that could operate reliably with minimal maintenance requirements.

The project highlighted the unique challenges faced by remote property owners in managing their water resources effectively. In regions like the Grampians, where professional support isn't always readily available, the importance of installing reliable, well-engineered water solutions becomes paramount. This case study demonstrates how experienced water solution providers can transform challenging water access situations into reliable, efficient systems.

The Challenge

The remote location presented unique challenges for water access and pressure management. The dam's depth variations required special consideration to ensure consistent water extraction, particularly during periods of low water levels. The solution needed to be both robust and reliable, given the remote setting and the critical nature of the irrigation requirements for the property.

Implementation

Third-generation Davey Black Master Dealer, Peter Slater of Slater Pumps, recommended the Davey 5148YEV pump system. Understanding the specific requirements of the site, he developed a customised float solution designed to maintain optimal suction from the dam's deepest point. This tailored approach ensured reliable water transfer capabilities while accommodating the dam's varying water levels.

The installation process included:

- Assessment of the dam's depth profile
- Design and implementation of a custom float solution
- Installation of the Davey 5148YEV pump
- Configuration of the system for light irrigation requirements

Results

The implementation of the Davey 5148YEV pump system with its custom float solution has delivered exceptional results for this remote Grampians property. The client's enthusiastic response "Yay we have water - thank you Peter!", reflects the immediate positive impact of the installation. The system has demonstrated outstanding reliability in maintaining consistent water supply from the dam to the irrigation system, even with varying water levels.

The solution has proven particularly effective in addressing the property's specific needs through:

- Reliable and consistent water transfer from the dam's deepest point
- Efficient operation even in remote conditions
- Robust performance meeting irrigation requirements
- Minimal maintenance needs despite the remote location

The success of this installation showcases both the durability of Davey products and the value of experienced dealer expertise in creating customised solutions for unique challenges. The client's satisfaction with the system's performance validates the careful consideration given to both product selection and installation design.

