

CASE STUDY PRODUCT:
DAVEY 5190HRS2 FIREFIGHTER

DAVEY DEALER:
Ultimate Pumps & Irrigation
549 Sutton St,
Sebastopol, 3356



Fire Protection Made Simple: Ultimate Pumps & Irrigation's Smart Solution

When your home borders a pine plantation, dense bushland or plenty of gum trees, fire protection isn't just a luxury - it's a necessity. In this innovative installation, Ultimate Pumps & Irrigation (UPI) demonstrates how modern technology and thoughtful design can create a robust defense against fire threats. By combining Davey's reliable pump technology with smart controls and strategic water management, UPI has delivered a fire protection system that offers both comprehensive coverage and peace of mind. This case study showcases how one Victorian property transformed its fire preparedness through an innovative water curtain system that can be activated at a moment's notice, even from kilometres away.

The Challenge

Situated on the border of a significant pine plantation in Victoria, this property faced critical fire safety concerns that demanded an innovative approach. The location presented unique challenges:

- High fire risk due to direct proximity to pine plantation
- Need for immediate emergency response capabilities
- Requirement for reliable operation during extended fire threats
- Property owners needed remote access to activate protection systems
- Water pressure and consistent coverage requirements for effective protection

Our Solution

Director Nick Barry of Ultimate Pumps & Irrigation developed a comprehensive system focused on "ease of use, remote access and performance." The solution features:

- Davey 5190HRS2 pump system drawing efficiently from an external dam
- Zero-maintenance copper plumbing mainline for longevity
- Strategically placed Keith Moss sprinklers for complete coverage
- 25L long-range fuel tank with battery backup system
- SMS-enabled remote activation capabilities

Implementation and Results

The installed system has delivered exceptional results in both functionality and reliability:

Performance Benefits:

- Complete perimeter protection through water curtain coverage
- Instant activation through remote SMS control
- Extended operation capability during emergencies
- Minimal maintenance requirements

This innovative fire protection system represents more than just a technical solution—it's a blueprint for modern property protection in high-risk areas. Ultimate Pumps & Irrigation's thoughtful integration of Davey's 5190HRS2 pump system with smart technology and fail-safe features demonstrates how contemporary fire protection can be both sophisticated and user-friendly. The success of this installation proves that with the right combination of equipment, expertise, and design, properties in fire-prone areas can be equipped with reliable, long-lasting protection systems that operate exactly when needed.

As climate conditions continue to create challenging fire seasons across Australia, solutions like this showcase the way forward for property owners seeking comprehensive fire protection with remote management capabilities.

