

DAVEY

DATA SHEET

Pump Controllers

TORRIUM 2



Torrium2 is a technology leading on-demand pump controller that includes many unique features in a compact, robust, easy to install unit. Control is effected through a corrosion and scale resistant stainless steel plate that senses flow and pressure in the water stream, assisted by an in-built spring loaded pressure reservoir which reduces cycling. These signals are transmitted to an intelligent microprocessor that monitors and adapts pump operation according to demand and environmental conditions providing the following control functions:-

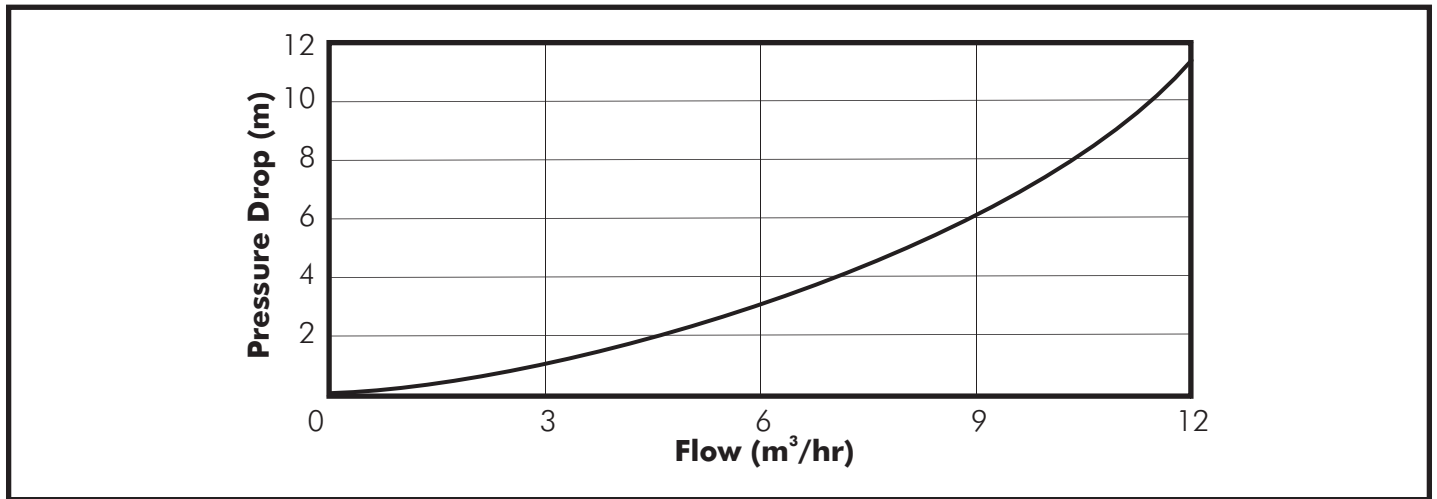
- System cut-out at low flow and cut-in at 80% of the cut-out pressure providing constant, even pressure flow.
- Dry run protection including sequential automatic re-start function.
- Water leakage detection which minimises pump cycling.
- High current shutdown and low voltage indication.
- High water temperature protection and automatic restart below 60°C.
- LED operation and fault indicator providing simple interpretation of operating status.
- Built in sacrificial varistor to protect against electrical power surges.
- Selectable vertical and horizontal delivery outlets.

Torrium2 is manufactured entirely from corrosion proof reinforced nylon. Its unique features and exceptionally robust design offers many advantages over alternative controllers integrating all functions necessary for small pump control into one compact unit that eliminates the need for any other protection. Its simplicity, reliability and effectiveness make it the most sophisticated controller available for all small flow pumped water supply installations.

INSTALLATION

Torrium2 is designed to screw directly on to the delivery outlet of the pump and accommodate the full delivery flow. It can be fitted to both dry booster pumps with positive or negative suction and to submersible pumps with closed head pressures less than 4.5Bar and both vertical and horizontal delivery options are available.

HYDRAULIC PRESSURE LOSS



OPERATING CONDITIONS

Pumped Liquid: Thin, clean chemically non-aggressive liquids, containing no solids or fibres

Power Supply: 240V, 50Hz

Enclosure Class: IP56

Operating Water Temperature Range: +1°C to +70°C

Max. Ambient Temperature: +50°C

Max. Rated Flow: 12m³/hr

Max. System Pressure: 7 Bar

Pump Shut Off Pressure Range: 1.5 - 4.5Bar

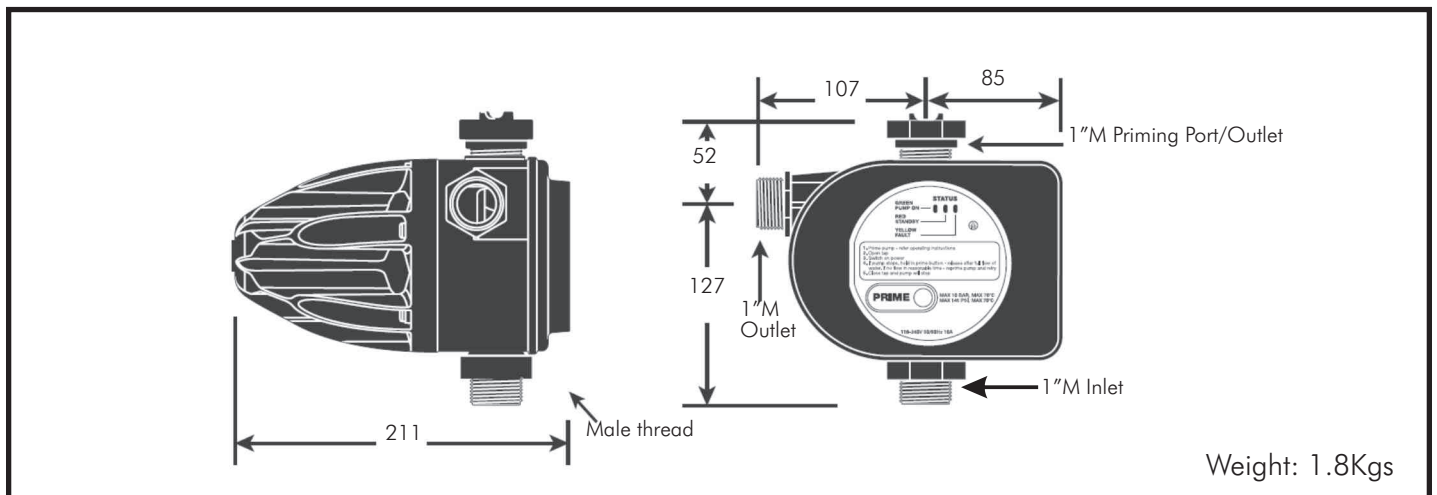
Pump Shut Off Flow : 2 l/min

Pump Cut In Pressure: 80% Shut off Pressure

Max. Motor Size : 1.8kW

Max. Load Current: 10 Amps

DIMENSIONS AND WEIGHT



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DV65B-01/11

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