

# Watercare 2230

Domestic and Commercial  
Rainwater Harvesting  
Control System

## Application

- Processes rainwater, for properties with up to two families
- Provides water for toilets, washing machines and garden watering by pumping rainwater
- Volumes up to 6 m<sup>3</sup>/h

## Benefits

- Locked float valve mounting
- Stagnation protection for drinking water
- Optional retrofit booster pump
- Simple installation
- Pleasantly quiet



## Product description

All system processes are monitored constantly so that the system is ready for operation at all times.

The multi-stage, centrifugal pump guarantees both quiet operation and a convenient start-up. In operation, the flow monitor provides dry run protection and volume-dependent cut-out for convenient handling.

Should there be a shortage of rainwater, mains water is supplied on demand until sufficient rainwater is again available. At the same time, a zone valve makes the changeover, controlled via a float switch in the rainwater tank. The mains water is fed in accordance with EN1717 via a proportional float valve.

As stagnation protection, the water in the mains supply tank is changed after a standing time of 10 days. The change to mains water operation can also be made manually.

All connections are designed as screw connections. The pump and the mains water tank have been provided with vibration protection elements. The system controller can be mounted on the floor or on the wall.



This product has been approved as a suitable water saving device and added to the Government's Water Technology List. Purchasers of this product may apply for a grant to help reduce their costs. For further information visit [www.eca-water.gov.uk](http://www.eca-water.gov.uk)

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## General specification

Galvanised metal console  
Separate wall mounting  
Multi-stage self-priming centrifugal pump  
Flow monitor with dry running protection and volume- dependent cut-out  
Free discharge to EN 1717 TYPE AB  
Motorized 1" zone valve  
Proportionally controlled mains water top-up valve  
Vibration damper for pump and break tank  
Electronic control  
Float switch with 20m lead and calibration weight  
Emergency overflow, dia. 70 mm

## Technical specification

Capacity (max.)	6 m <sup>3</sup> /h
Pressure (max.)	3.6 barsHead
(max.)	15 m
Suction depth (max.)	8 m
Protection class	IP 41
Rated output	800W
Supply voltage	230V/50 Hz
Suction line	1" IG (Female connection)
Pressure line	1" AG (Male connection)
Mains water connection	3/4" AG (Male connection)
Emergency overflow	70 mm dia. pipe
Float switch	20 m (no earth lead)

### Warranty

The warranty period is 12 months from the date of purchase of the product. Within the guarantee period, Orchard Watercare Ltd. will eliminate functional faults free of charge which are due to manufacture or material defects. These are failures which occur despite proper connection, proper handling and due consideration given to the Operating and Installation Manual.

### General notes

The user is responsible for the following actions:

- of proper installation
- to avoid risks due to improper operation.

The unit has been designed solely for use:

- at 230 V, 50 Hz AC voltage
- the control of a rainwater harvesting system
- as a booster pump station for rainwater harvesting systems
- up to a water temperature of 35° C
- in the vicinity of residential, trade and industrial areas as well as small sized companies.

No financial liability will be accepted resulting from improper installation or operation.

## Dimensions and Weights

Dimensions (W x H x D) 550 x 550 x 320 mm  
Weight (empty) 25 kg

## Optional Accessories

- Supply pump: For poor suction conditions (greater distance between rainwater tank and system controller)
- Level indicator
- Connection set



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