



RAINWATER HARVESTING
Control systems



Watercare 2100H

Delivers water at up to 14m³/h

We **care** for your **water**



Watercare 2100H

Overview system controller 8-X up to 1

Application

Processes rainwater for industrial and commercial facilities

Provides rainwater for toilets, laundry and irrigation by integrated pumps

Up to a volume of 14 m³/h

Benefits

High quality, professional system engineering

Quick and simple installation

Specially developed automatic controller

High degree of safety in operation

Product description

The **Watercare 2100H** is a complete rainwater system with integrated break tank, dual and multi-stage centrifugal pump and electronic controller.

It monitors the level in the catchment and break tanks. Depending on demand, the supply pump in the catchment tank feeds rainwater into the Watercare 2100's break tank. The integrated dual pressure pump unit then supplies rainwater to the points of use.

If there is a shortage of rainwater or manual changeover, the break tank is topped up automatically, on demand, with mains water complying with DIN EN 1717. The solenoid valve is also checked regularly, in order to avoid stagnant water in the mains water line.



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General specification

- Dual pump unit, with multi-stage, self priming horizontal centrifugal pumps and alternating start-up
- Option to connect a second supply pump for 2- cistern operation
- Maximum flow up to 14 m3/h
- Electronic controller with 4-line LCD display
- Hours run counter for each pump
- Dual pump unit pressure indicator
- Catchment tank level gauge (optional)
- Manual changeover to mains water mode optional
- Volt Free BMS/Fault Alarms
- RS 232 interface

Everything installed in a powder coated sheet steel housing.

Dimensions and Weights

	8-x / 14-x
Width mm	800
Height mm	1550
Depth mm	725
Empty weight	150 kg
Max. weight	320 kg
Pressure line connection*	1 1/2 "
Booster pump connection*	1 1/4 "
Mains water connection*	1 1/4 "
Volume of header tank	200 l
Emergency overflow	DN 100
* Male connection	

Technical Specification

	Watercare 2100H 8-40	Watercare 2100H 8-50	Watercare 2100H 8-70	Watercare 2100H 14-40	Watercare 2100H 14-60
Max. Movement capacity m3/h	8	8	8	14	14
Max. head in m	42	57	72	47	59
Current drain in A	2 x 3,9 (3 x ~400V)	2 x 5,3 (3 x ~400V)	2 x 6,3 (3 x ~400V)	2 x 5,3 (1 x ~230V)	2 x 6,5 (1 x ~230V)
Motor output P1 in kW	2 x 1,76	2 x 2,4	2 x 2,96	2 x 1,100	2 x 1,360

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OTHER PRODUCTS & SERVICES AVAILABLE FROM ORCHARD

RAINWATER SYSTEMS

- **COMPLETE RAINWATER HARVESTING AND MANAGEMENT SYSTEMS**
For Domestic, Garden and Commercial applications.
- **UNDERGROUND AND ABOVE GROUND TANKS**
From 300 to 100,000 Litres
- **CONTROL AND MONITORING EQUIPMENT**
- **SUBMERSIBLE AND ABOVE GROUND PUMPS**
- **TOTAL DESIGN SERVICE**
Design service available for Domestic and Commercial applications .
- **INSTALLATION, COMMISSIONING , SERVICING AND MAINTENANCE PACKAGES**

ACCESSORIES

- **UV Filters, Pre Filters**
- **Soakaways**
- **Pressure Vessels**

SEPARATOR ALARMS

- **Mains powered alarms**
- **GSM alarms**
- **Web based alarms**
- **Wired and Wireless sensors**

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