



RAINWATER HARVESTING WILO-Rain RWN1500

- Fully packaged rainwater system including storage tank
- Extendable storage
- Storage tank includes patented multi-chamber collection system
- Quiet running self-priming multi-stage pump
- Electronic pressure and flow controller
- Demand actuated controls
- Low-level cut-out protection
- Corrosion proof - stainless steel /composite materials



An integrated rainwater utilisation system for reducing drinking water demand in domestic applications.

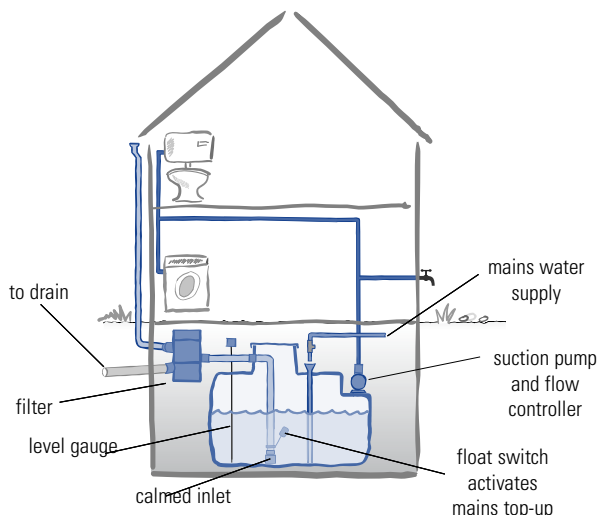
The RWN1500 is an integrated rainwater recycling unit with an integral 1500 litre storage tank. Modular 1700 litre storage capacity extension kits enable simple adaption of the system to suit future requirements.

The storage system employs a unique multi-chamber design (MKS) which ensures that mains-water top-up during dry periods is kept to the absolute minimum required for normal uninterrupted operation. In the MKS system, mains water tops up a separate chamber rather than having to raise the level of the main storage. This ensures the maximum possible storage capacity is made available for collection in downpours. The multi-chamber tanks are manufactured in UV stabilised black polyethylene which provides effective protection

from the growth of algae.

Specially selected materials and the use of high quality pump technology provide corrosion free and virtually noiseless operation. The maintenance-free electronic Wilo-Fluidcontrol pump control eliminates the need for an hydraulic accumulator.

The RWN 1500A has a float operated switch and solenoid valve (DIN/DGVW compliant) for automatic operation of mains water top-up. The RWN 1500AU has the extra features of the RWN 1500A plus a float valve for overflow control.



APPLICATION

Collection and reuse of rainwater to reduce demand on drinking water for:

- toilet flushing
- garden irrigation
- washing machines
- general cleaning purposes
- other applications for non-potable water use



IDENTIFICATION

Models*:
 RWN 1500-MC 3(x) EM
 RWN 1500-A MC 3(x) EM
 RWN 1500-AU MC 3(x) EM

where (x) =

04 for head of 42m

05 for head of 56m

'3' = flow rate (m³/h) at optimum efficiency

'EM' = 230V AC 50 Hz single phase

*See 'Scope of Supply' for variations between models.

TECHNICAL DATA

Approved fluids: Clean water, rainwater free of suspended matter.

Fluid Temp: 5 - 35 deg C

Flow rate: max. 5 m³/h

Max head: 42m (MC 304), 56 m (MC 305)

Suction lift: max. 8 m

Working Pressure: max. 6 bar

Storage tank: 1500 litres

Discharge pipe: 1.0" hose

Inlets: HT DN 100
 (Hose connection DN 50 with AU version)

Overflow: 2 x DN 100

Tank extension: 2 x HT DN 100

Power supply: 1 phase 230 V, 50 Hz
 4A (MC 304), 5.3A (MC 305)

Pump rated pwr: 550W (MC 304)
 750W (MC 305)

Overload protection: integrated overload relay

Pump Control: automatic electronic flow and pressure controller

Weight: Approx. 76kg

SCOPE OF SUPPLY

RWN 1500

- Self-priming centrifugal pump
- Electronic pump control with Wilo-Fluidcontrol
- Mains cable with plug
- Polyethylene storage tank
- Inner tank
- Top-up funnel
- Domed tank cover (lockable)
- Low-level cut-out
- Flexible discharge connection
- Four carrying grips

RWN 1500A

As for RWN 1500 with the addition of:

- Float switch and solenoid valve for automatic main water top-up complete with cable kit and plug (to DIN 1988 and DVGW).

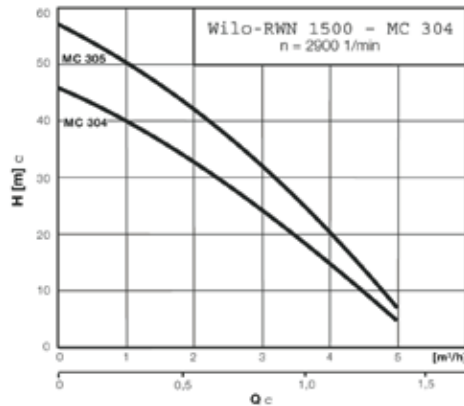
RWN 1500 AU

As for RWN 1500A but with the addition of:

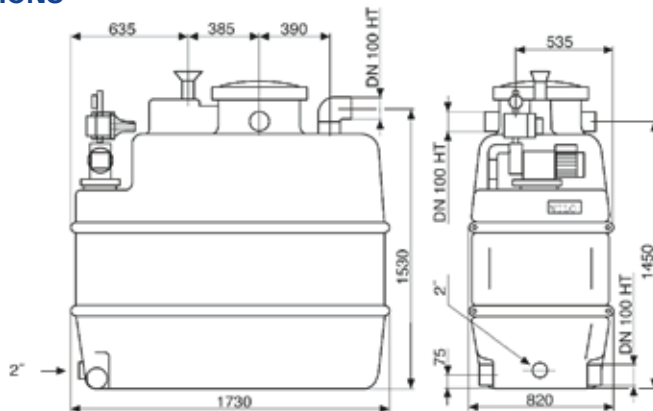
- Float valve for overflow control for installations below backflow level.

EXTENSION KIT

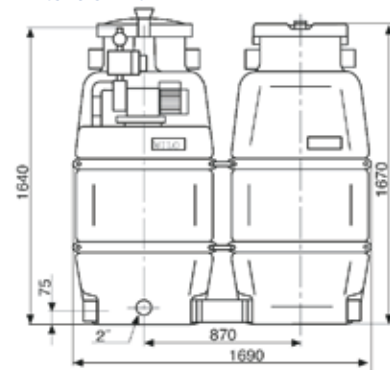
- 1700 litre Black polyethylene tank (options for left or right-hand connections).
- DN 100 connecting pipework and fixing sundries



DIMENSIONS



Extension kit



NB continuous development may necessitate change in these details without notice E&OE



RAINHARVESTING SYSTEMS

Rainharvesting Systems Ltd.

The Green Shop
 Cheltenham Road, Bisley,
 Stroud, Gloucestershire GL6 7BX
 Tel: 0845 223 5430
 Fax: 01452 772008
 E-mail: sales@rainharvesting.co.uk
 Website: www.rainharvesting.co.uk

Distributor: