# RCME


TM05 7301 0913

**Fig. 1** RCME

## System principle

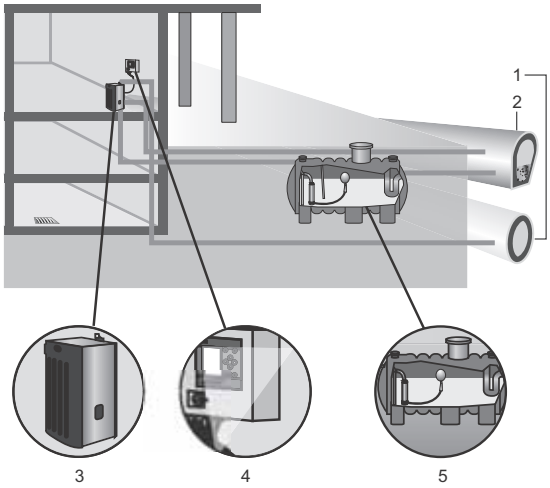


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**Fig. 2** System principle

| Pos. | Description |
|---|---|
| 1 | Mains water supply |
| 2 | Wastewater |
| 3 | RCME pressure-boosting unit |
| 4 | Control cabinet with CU 372 control unit |
| 5 | Rainwater collecting tank with SPO pump, floating suction strainer and hydrostatic pressure sensor |

## Product description

The Grundfos RCME rainwater system consists of a pressure-boosting unit with a CME pump and a control cabinet with a Grundfos CU 372 control unit.
The system also includes a Grundfos SPO submersible pump which functions as feed pump for the RCME pressure-boosting unit. The feed pump is to be installed in a rainwater collecting tank. See fig. 2.

The RCME unit incorporates back-up of mains water supply. This function is automatically activated if the collecting tank is emptied, for example during long periods without rain.

The RCME system is operated and monitored via the user-friendly control panel on the CU 372 control unit that monitors and controls the rainwater system.

The RCME system can communicate in many different ways, for example with a building management system or Grundfos Remote Management.

## Features and benefits

### Compact solution

The RCME is a complete rainwater system that is ready for installation. The system requires only a small installation space.

### High reliability

The built-in CME pump offers high resistance to wear and corrosion resulting in a long operating life.

### User-friendly control panel

When the installation is complete, the large, user-friendly colour display ensures easy day-to-day operation.

## Performance range

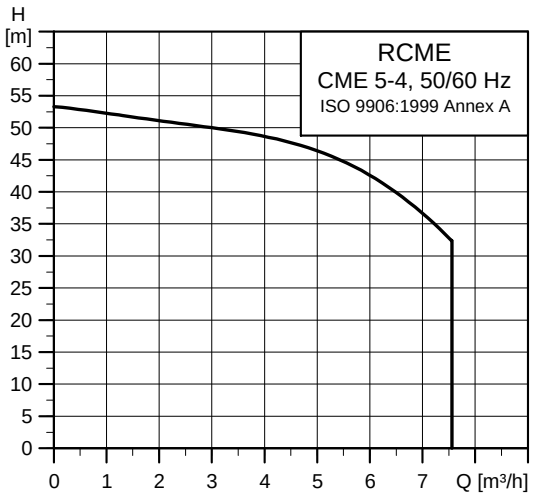


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**Fig. 3** Performance range

## Installation

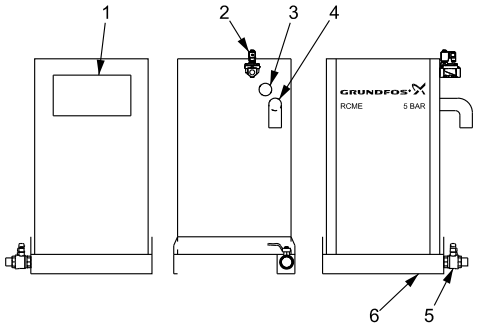


**Fig. 4** Example of typical installation

| Pos. | Description | Pos. | Description |
|---|---|---|---|
| 1 | Cut-out for overflow purpose in order to comply with EN 1717 | 4 | Overflow |
| 2 | Mains water valve | 5 | Outlet connection |
| 3 | Rainwater inlet | 6 | Base plate |

## Technical data

### Dimensions and weights

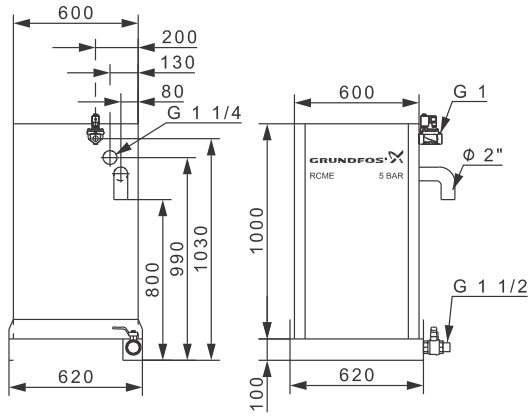


**Fig. 5** Dimensional sketch

### Service connections

Mains water inlet: G 1.
Outlet connection: G 1 1/2.
Overflow: ∅2".
Rainwater inlet: G 1 1/4.

### Weights

Net weight: 138 kg.
Gross weight: 169 kg.

### Tank volumes

Rated volume: 160 litres.
Effective water volume: 108 litres.
Minimum booster pump operating volume: 41 litres.

### Electrical data

Supply voltage: 3 x 400 VAC - 10 %/+ 10 %, 50 Hz, PE.
Enclosure class: IP54.
Input power (P1): 3.0 kW.

### Maximum operating pressure

| Model | Maximum operating pressure [bar] |
|---|---|
| RCME | 5 |

### Temperatures

Liquid temperature: +3 to +40 °C.
Maximum ambient temperature: +40 °C.

### Relative air humidity

Maximum 95 %.

### Sound pressure level

65 dB(A).

## Construction

| Component | Material |
|---|---|
| Tank | Polyethylene |
| Pipework fittings | Brass or copper |
| Internal pipework | Copper |
| Wetted pump parts | Stainless steel (EN 1.4301/AISI 304) |
| Integrated pressure vessel | Steel body with butyl rubber diaphragm |

## Approvals

The RCME is designed according to EN 1717 regulations.

## Product numbers

| Model | Product number |
|---|---|
| RCME without IO 351B module* | 98442752 |
| RCME with IO 351B module* | 98442754 |

* An IO 351B module increases the number of inputs and outputs which can be used for a building management system.

| Type | Number of inputs and outputs | |
|---|---|---|
| | Without IO 351B module | With IO 351B module |
| Digital inputs | 3 | 12 |
| Analog inputs | 3 | 5 |
| Digital outputs | 2 | 9 |

**98436739** 0313
ECM: 1109764

Subject to alterations.



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