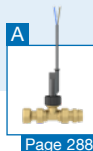


# Circulation controller EC 1



- Demand-controlled pump control for hot water circulation
- Legionellae protection function
- High energy savings due to intelligent pump control
- Intuitive use, reliable operation



**Application** For demand-controlled optimum control of the hot water circulation in conjunction with the hot water circulation system WZS 100. Unnecessary periods of operation (time control or thermal control) and energy costs can be reduced.

**Description** Circulation controller in wall mounting housing with controller adjustment via menus. A flow switch connected to EC 1 (for example, circulation switch ZS 2) monitors water withdrawal at the hot water end. After short opening of a tap in the hot water line, the circulation pump is switched on and stopped after an additional running time adjusted by the user has elapsed. This turns any standard fitting in the hot water system into a kind of "remote control".

This is energy savings in two ways: due to the demand-controlled pump, the storage tank is not cooled down unnecessarily by circulating the hot water, and the shorter running time of the circulation pump saves energy.

## Technical specifications

### Functions

- Circulation control
- Time control
- Additional pump running time

### Operating temperature range

Ambient: 0/40 °C

### Display

LC display, multifunctional combination display  
Menu control with 3 pushbuttons

### Supply voltage

AC 220 - 240 V

### Inputs

1 x sensor input for circulation switch

### Switching output

1 semiconductor relay

### Housing

Wall mounting housing made of plastic (PC, ABS, PMMA)  
Panel mounting possible  
W x H x D: 172 x 110 x 49 mm  
Degree of protection IP 20 (EN 60529)  
Protection class II

### Scope of delivery

- Circulation controller
- Mounting material



For full functionality of the circulation controller, the circulation switch ZS 2 is required.

DG: G, PG: 2	Part no.	Price €
<b>Circulation controller EC 1</b>	68407	