

# PROTECTION AGAINST BOILER CORROSION AND FOULING

## Insulated Load Units with PWM control



### REGOMAT E W PWM (+STDC E)

#### Regomat with PWM control for external controller

Load unit for solid-fuel boilers and fireplaces that prevents **low-temperature corrosion and boiler fouling by keeping a boiler (fireplace) inlet temperature** through a thermostatic valve. STDC Controller ensures optimum operation of the circulation pump.

REGOMAT E W load unit comes in a left version (outlet to boiler is on its left side), and can be easily modified to a right version (outlet to boiler on its right side) during installation. Its installation position can be either horizontal or vertical. It consists of a Wilo Yonos Para YP 25/7,5-PWM1 high efficiency circulation pump incl. connection cables, a ball shut-off valve for the pump, thermometer, insulation and TSV3BF valve with a thermostatic element of 55 and 65 °C opening temperature.

The STDC E Controller monitors the temperature difference between the boiler and thermal store and controls switching and speed of the circulation pump depending on the parameters set.

The controller ensures that the circulation pump is in operation only when the boiler or fireplace is in operation, adjusting its speed to a momentary boiler output so that the flow temperature is always higher than the temperature in the thermal store.

### Technical Data

CONNECTIONS	3 x G1" F
FLUID WORKING TEMPERATURE	5 - 95 °C
POWER SUPPLY	230 V, 50 Hz
TOTAL WEIGHT	3.3 kg
K <sub>vs</sub> from A to AB	6.2 m <sup>3</sup> /h
K <sub>vs</sub> from B to AB	4.4 m <sup>3</sup> /h
MAX. HEAD	7.6 m
PUMP OPERATING POINT	2.0 m <sup>3</sup> /h flow rate 6.1 m head

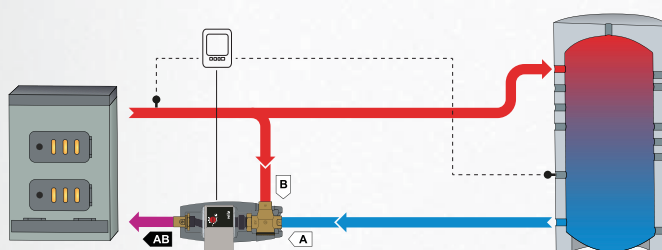
**Prevention of low-temperature corrosion of boilers.**  
**Installation possible with A inlet from either right or left side.**  
**Minimum heat loss thanks to thermal insulation.**

### Versions

REGOMAT E	55 W PWM+STDC E	65 W PWM+STDC E	55 W PWM	65 W PWM
Valve opening temp.	55 °C	65 °C	55 °C	65 °C
Recommended max. boiler output	42 kW	31 kW	42 kW	31 kW
<b>Code</b>	<b>17467</b>	<b>17469</b>	<b>17277</b>	<b>17278</b>

*Kits with REGOMAT W PWM 5/4 can be created upon order*  
*Other operating temperatures 45-70°C on request*

### Connection in a system



### Dimensions

