

# Regulus

## Pump Stations for heating systems



operating button

LED indication

CP

PP

**NEW**

**with Regulus RPA 25-8**  
circulation pump

# RegulusTOP Pump Stations

## CSE2 Twin-line models



**FOR UNMIXED HEATING CIRCUITS**

- with filter & magnet
- connection: 1" F



**FOR MIXED HEATING CIRCUITS**

- with filter & magnet
- fitted with actuator/no actuator
- connection: 1" F
- with/without thermostatic mixing

## CSE Single-line models



**FOR UNMIXED HEATING CIRCUITS**

- with/without filter & magnet
- with/without check valve
- connection: 1" F



**FOR MIXED HEATING CIRCUITS**

- fitted with actuator/no actuator
- connection: 1" F or 5/4" F

# RegulusRGMAT Load Units

## for solid-fuel boilers and fireplaces



- with thermostatic mixing (TSV valve included)
- valve opening temperature: 45-72 °C
- with automatic / manual bypass balancing
- models with ball valves with union nuts
- connection: 1" F or 5/4" F

## Models available with a **range of circulation pumps**

- **Regulus** RPA 25-8
- **Wilo** PARA 25/6 SC  
PARA 25/8 SC  
PARA 25/8 iPWM
- **Grundfos** UPM3 AUTO 25-60  
UPM3 FLEX AS 25-75

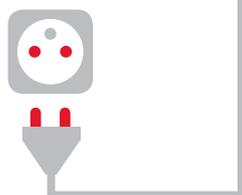
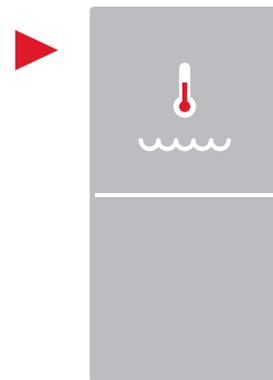
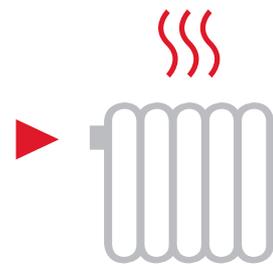
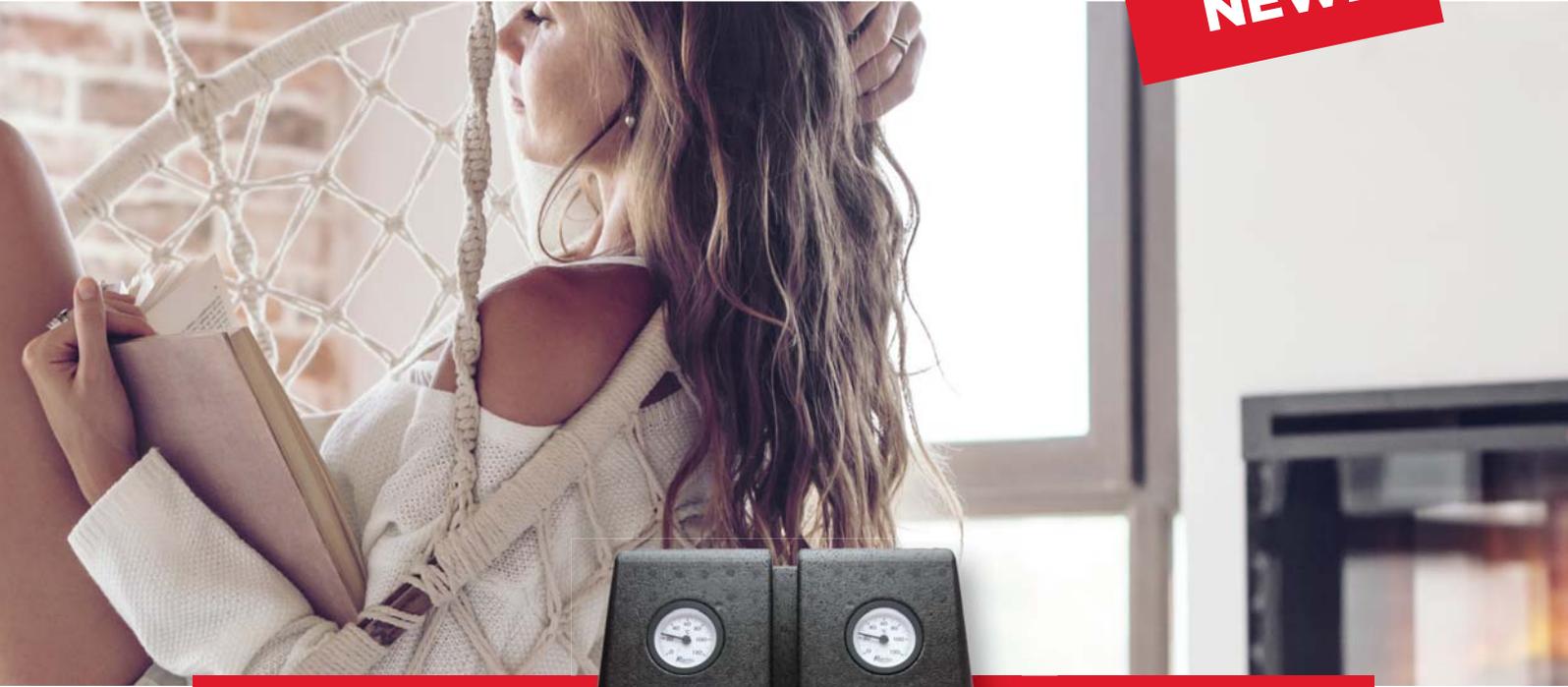


**Regulus**

ALL-IN-ONE LOAD UNIT

**RegulusBIO**

**NEW!**



*Regulus*



# RegulusBIO

## Benefits



**FOR INSTALLERS**

**SHORT  
INSTALLATION  
TIME**



**POWERED FROM  
A WALL SOCKET**



**PRESET  
CONTROLLER**



**IMMEDIATELY  
WORKING  
SYSTEM**

**FOR USERS**

**REDUCED  
INSTALLATION  
COSTS**



**EASY  
COMMISSIONING**



**HIGH SYSTEM  
EFFICIENCY**



**IMMEDIATELY  
WARM  
IN THE HOUSE**



Heat that is not immediately used for space heating is stored in a thermal store and is used later for space or DHW heating in periods when the boiler is no longer firing.

# RegulusBIO

**Insulated All-in-one with an integrated controller for an easy connection of a heating system with a hydronic fireplace / solid-fuel boiler and a thermal store.**

RegulusBIO All-in-one is designed for heating systems with a hydronic fireplace / solid fuel boiler with a thermal store and DHW heating. Water for the heating system is mixed by an electric actuated 3-way load valve, the return water temperature to the boiler is kept at the min. temperature of 55 °C by the load valve. The boiler heat surplus is stored into a thermal store and used later automatically after the boiler goes out.

The integrated controller controls the entire system. The All-in-one comes completely internally wired and fitted with a power cable with el. plug. The system can be controlled from a room unit with a touchscreen, or from a mobile phone via a dedicated application.



Code:

**RegulusBIO All-in-one**  
BIO 55 MIX W TRS

**17499**

Recommended for boilers up to 40 kW output.

## MAIN ADVANTAGES

- Wilo Para 25/8 circulation pumps with speed control by a controller
- TSV3BM 55 °C Load Valve (other temperatures available by replacing the thermostatic element)
- 3-way mixing valve for heating circuits (Kvs 6,3 m<sup>3</sup>/h) with electric actuator
- TRS6 BIOMIX Controller, permits connecting a room unit
- Internally wired All-in-one, incl. a power cable with el. plug and temperature sensors
- 2 ball and drain valves to shut off and drain a heating system
- 2 ball valves, to shut off a boiler
- 2 ball valves, to shut off a thermal store
- Outlets for a thermal store can be converted to the right-hand side
- Connection dimensions 6x G 1" F
- Dimensions 640 x 250 x 350 mm

## OPTIONAL ACCESSORIES

Code:



### Caleon Room Unit

offers control through a touch screen and also serves as a room sensor.

**17150**



### Caleon WiFi Room Unit

permits moreover remote control by a mobile phone.

**18126**



### Room Temperature Sensor

can be used for Hydraulic Variants 1 A, B, C.

**16167**



### MAGNET FILTERBALL 1"

Ball valve with filter and magnet.

**17405**



### PG 600 Backup Power Supply

for circulation pumps and controllers as well, with 18 Ah external battery

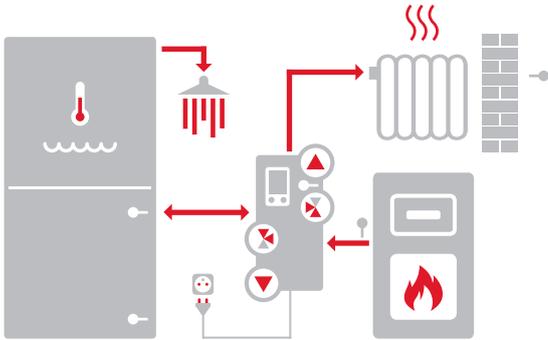
**17135**

*Further accessories can be connected depending on the selected hydraulic variant - more info in the instruction manual.*

# HYDRAULIC VARIANTS

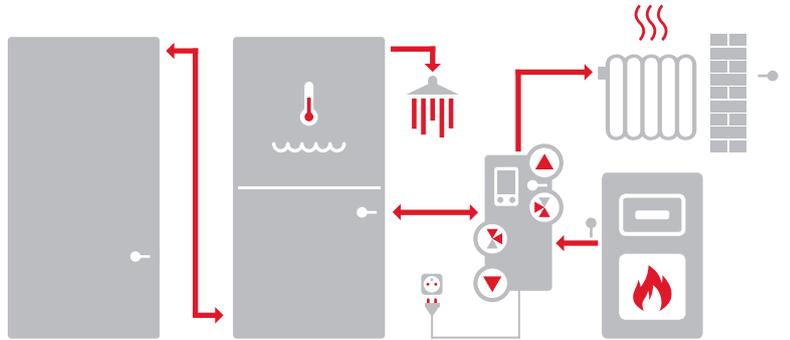
## VARIANT 1A

System with  
Combi Thermal Store.



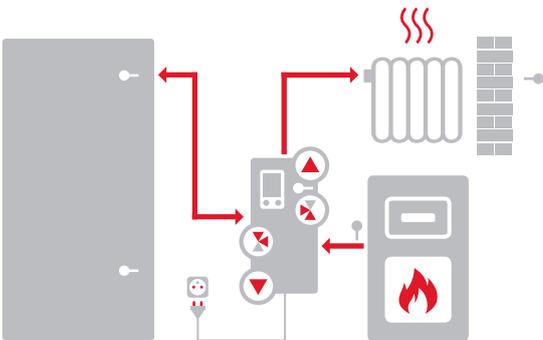
## VARIANT 1B

System with  
Combi Thermal Store and additional Store.



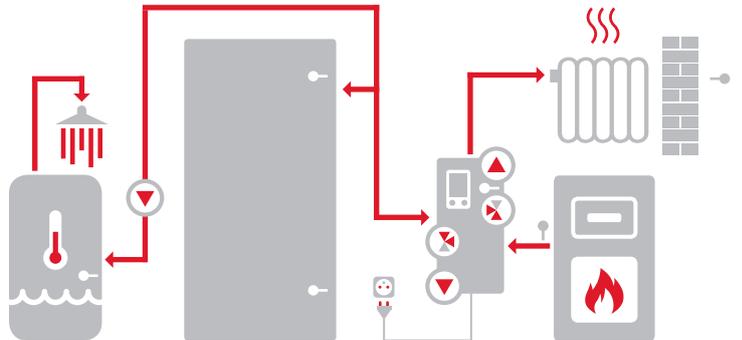
## VARIANT 1C

System with  
a Thermal Store.



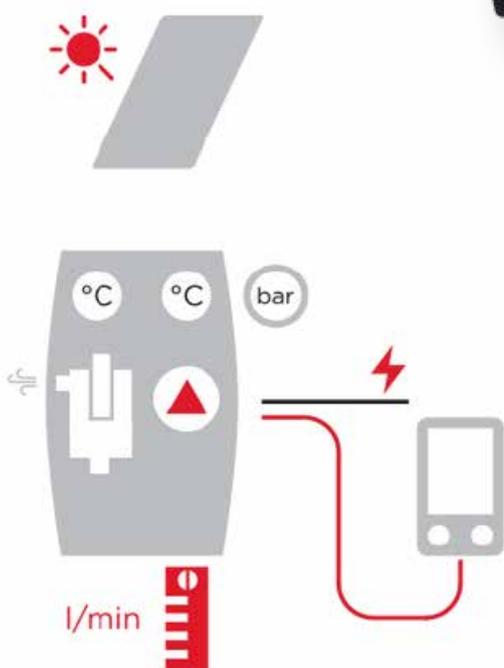
## VARIANT 2

System with a Thermal Store  
and a Hot Water Storage Tank.



# Regulus

## Pump Stations for solar systems



- ✓ Socket connection of electric heating element
- ✓ Easy installation without electrician

# Overview of available **model lines**



**CSE2 SOL**  
twin-line



**CSE1 SOL**  
single-line



**CSE SOL**  
single-line

## Available **equipment possibilities**

### Controller

- models without controller
- models with controller



#### **SRS1 T Controller** with

3 inputs for temperature sensors  
1 relay up to 3 kW  
1 iPWM/O-10V output

#### **SRS3 E Controller** with

4 inputs for temperature sensors  
2 relays up to 3 kW  
1 PWM/O-10V output

### Special features

- socket for a simple connection of an electric heating element
- socket for switching an auxiliary heat source
- air separator

## Connections

- 3/4", 1", Cu 22, Cu 28

## Range of circulation pumps

- **Wilo PARA ST 25/7 iPWM2** for PWM controllers
- **Grundfos UPM3 Hybrid 25-70** for PWM or ON/OFF controllers

