Regumat stations

For flexible and reliable heating.

oventrop

Our Regumat stations

How to control the heating of tomorrow?

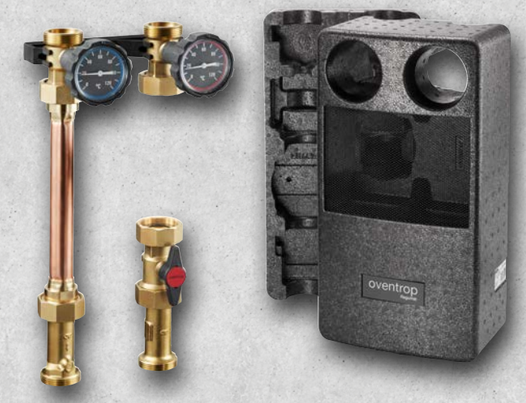
That is quite simple with our modular solutions.

Together ***we solve today the challenges of tomorrow.*** As a partner at your side we support you. With our modular and pioneering system solutions, you are flexible and well positioned for the future. Even if the requirements change tomorrow. Our ***stations and storage cylinders*** are matched to our pioneering hydraulic and room climate solutions. So that you can plan reliably and systematically.

FLEXIBLE AND RELIABLE HEATING WITH OUR STATIONS

Oventrop stations are the ***reliable "control centre"*** in heating systems. Like our **Regumat stations *for heating circuits*** and our **Regumat stations *for solid fuel boilers:*** The connection groups are made of brass or bronze and are very durable. Therefore, you can be sure that everything will work perfectly, for a long time. A groundbreaking feature is that you can extend the system modularly, for example by adding a heating circuit controller.

Regumat S stations
for unmixed heating circuits



- Time-saving installation, as pre-assembled
- Space-saving installation due to compact design
- High functional reliability due to maintenance-free components and high-quality materials
- Simple modular extension with accessories

WITH THESE STATIONS YOU CONNECT AN UNMIXED HEATING CIRCUIT.

The stations contain all components you need to connect the heat generator, pump and pipework. With the **Regumat S stations** you can shut off the heating circuit on the supply and return side. You can change the supply and return individually on site.

THE STATIONS CONSIST OF:

+ a ***shutoff device*** with two ball valves to shut off the heating circuit
+ two ***thermometers*** integrated in the handles to display the flow and return temperature
+ a ***check valve*** to prevent incorrect circulation
+ a ***thermal insulation***

Depending on the version, a pump ball valve is also included. This makes it easy for you to change the pump, because you do not have to drain system parts.

Regumat S-130

REGUMAT S-130 DN 20

Pump length **130 mm**
Connection heat generator **G 1 external thread, flat sealing**
Connection heating circuit **G 1 external thread, flat sealing**
Recommended application* **42 kW**

Item no.	Pump type
1355051	without pump
1355057	Grundfos ALPHA 2.1 15-60
1355059	Wilo-Stratos PICO 15/1-6

REGUMAT S-130 DN 25

Pump length **130 mm**
Connection heat generator **G 1½ external thread, flat sealing**
Connection heating circuit **G 1½ external thread, flat sealing**
Recommended application* **50 kW**

Item no.	Pump type
1355071	without pump

Regumat S-180 DN 25

REGUMAT S-180 DN 25 WITH PUMP BALL VALVE

Pump length **180 mm**
Connection heat generator **G 1½ external thread, flat sealing**
Connection heating circuit **G 1½ external thread, flat sealing**
Recommended application* **50 kW**

Item no.	Pump type
1357070	without pump
1357072	Wilo PARA 25-180/6-43/SC-6
1357073	Grundfos ALPHA 2.1 25-60

REGUMAT S-180 DN 25 COMPACT DESIGN

Pump length **180 mm**
Connection heat generator **G 1½ external thread, flat sealing**
Connection heating circuit **G 1½ external thread, flat sealing**
Recommended application* **50 kW**

Item no.	Pump type
1357020	without pump
1357027	Grundfos ALPHA 2.1 25-60
1357029	Wilo-Stratos PICO 25/1-6

* ΔT = 20 K, Δp = 100 mbar

Regumat S-180 DN 32

REGUMAT S-180 DN 32 WITH PUMP BALL VALVE

Pump length **180 mm**
Connection heat generator **G 2 external thread, flat sealing**
Connection heating circuit **G 2 external thread, flat sealing**
Recommended application* **70 kW**

Item no.	Pump type
1355075	without pump
1355076	Grundfos ALPHA 2.1 32-60
1355079	Wilo-Stratos PICO plus 30/1-6

REGUMAT S-180 DN 32 PLUS WITH PUMP BALL VALVE

Pump length **180 mm**
Connection heat generator **G 2 external thread, flat sealing**
Connection heating circuit **G 2 external thread, flat sealing**
Recommended application* **190 kW**

Item no.	Pump type
1355070	without pump
1355080	Grundfos MAGNA3 32-100
1355081	Wilo-Stratos 30 1-10

Regumat S-220 / 280

REGUMAT S-220 DN 40

Pump length **220 mm**
Connection heat generator **G 2 external thread, flat sealing**
Connection heating circuit **G 2 internal thread**
Recommended application* **200 kW**

Item no.	Pump type
1358240	without pump
1358251	Wilo Stratos Maxo 40/0,5-8
1358252	Grundfos MAGNA3 40-100F

REGUMAT S-280 DN 50

Pump length **280 mm**
Connection heat generator **G 2 external thread, flat sealing**
Connection heating circuit **G 2 internal thread**
Recommended application* **200 kW**

Item no.	Pump type
1358540	without pump
1358551	Wilo-Stratos 50/1-12
1358252	Grundfos MAGNA3 50-120F

* ΔT = 20 K, Δp = 100 mbar

Regumat M3 stations
for mixed heating circuit

- Time-saving installation, as pre-assembled
- Space-saving installation due to compact design
- High functional reliability due to maintenance-free components and high-quality materials
- Simple modular extension with accessories

WITH THESE STATIONS YOU CONNECT A MIXED HEATING CIRCUIT.

The stations contain all components you need to connect the heat generator, pump and pipework. Wit the **Regumat M3 stations** you can shut off the heating circuit on the supply and return side. You can change the supply and return individually on site.

THE STATIONS CONSIST OF:

+ a ***shutoff device*** with two ball valves to shut off the heating circuit
+ two ***thermometers*** integrated in the handles to display the flow and return temperature
+ a ***check valve*** to prevent incorrect circulation
+ a ***three-way mixing valve*** with actuator
+ a ***thermal insulation***

Depending on the version, a pump ball valve is also included. This makes it easy for you to change the pump, because you do not have to drain system parts.

REGUMAT M3 DN 25 AND REGUMAT M3 DN 25 - COMPACT DESIGN: THREE-WAY MIXING VALVE WITH ACTUATOR

+ ***Optimum control accuracy*** due to equal-percentage mixing of the volume flows
+ ***No temperature fluctuations*** with changing volume flows in partial load operation

Regumat M3-130

REGUMAT M3-130 DN 20

Pump length	**130 mm**
Connection heat generator	**G 1 external thread, flat sealing**
Connection heating circuit	**G 1 external thread, flat sealing**
Recommended application*	**37 kW**

Item no.	Pump type
1355251	without pump
1355257	Grundfos ALPHA 2.1 15-60
135259	Wilo-Stratos PICO 15/1-6

REGUMAT M3-130 DN 25

Pump length	**130 mm**
Connection heat generator	**G 1½ external thread, flat sealing**
Connection heating circuit	**G 1½ external thread, flat sealing**
Recommended application*	**40 kW**

Item no.	Pump type
1355271	without pump

Regumat M3-180 DN 25

REGUMAT M3-180 DN 25 WITH PUMP BALL VALVE

Pump length	**180 mm**
Connection heat generator	**G 1½ external thread, flat sealing**
Connection heating circuit	**G 1½ external thread, flat sealing**
Recommended application*	**40 kW**

Item no.	Pump type
1357265	without pump and without actuator
1357270	without pump
1357272	Wilo PARA 25-180/6-43/SC-6
1357273	Grundfos ALPHA 2.1 25-60

REGUMAT M3-180 DN 25 COMPACT DESIGN

Pump length	**180 mm**
Connection heat generator	**G 1½ external thread, flat sealing**
Connection heating circuit	**G 1½ external thread, flat sealing**
Recommended application*	**40 kW**

Item no.	Pump type
1357220	without pump
1357227	Grundfos ALPHA 2.1 25-60
1357229	Wilo-Stratos PICO 25/1-6

* ΔT = 20 K, Δp = 100 mbar

Regumat M3-180 DN 32

REGUMAT M3-180 DN 32 WITH PUMP BALL VALVE

Pump length	**180 mm**
Connection heat generator	**G 2 external thread, flat sealing**
Connection heating circuit	**G 2 external thread, flat sealing**
Recommended application*	**65 kW**

Item no.	Pump type
1355275	without pump
1355276	Grundfos ALPHA 2.1 32-60
1355279	Wilo-Stratos PICO plus 30/1-6

REGUMAT M3-180 DN 32 PLUS WITH PUMP BALL VALVE

Pump length	**180 mm**
Connection heat generator	**G 2 external thread, flat sealing**
Connection heating circuit	**G 2 external thread, flat sealing**
Recommended application*	**110 kW**

Item no.	Pump type
1355270	without pump
1355280	Grundfos MAGNA3 32-100
1355281	Wilo-Stratos 30 1-10

Regumat M3-220 / 280

REGUMAT M3-220 DN 40

Pump length	**220 mm**
Connection heat generator	**G 2 external thread, flat sealing**
Connection heating circuit	**G 2 internal thread**
Recommended application*	**175 kW**

Item no.	Pump type
1358340	without pump
1358351	Wilo Stratos Maxo 40/0,5-8
1358352	Grundfos MAGNA3 40-100F

REGUMAT M3-280 DN 50

Pump length	**280 mm**
Connection heat generator	**G 2 external thread, flat sealing**
Connection heating circuit	**G 2 internal thread**
Recommended application*	**175 kW**

Item no.	Pump type
1358640	without pump
1358651	Wilo Stratos Maxo 50/0,5-12
1358652	Grundfos MAGNA3 50-120F

* ΔT = 20 K, Δp = 100 mbar

Regumat F stations
for heating circuits with fixed value control

- Time-saving installation, as pre-assembled
- Space-saving installation due to compact design
- High functional reliability due to maintenance-free components and high-quality materials
- Simple modular extension with accessories

WITH THESE STATIONS YOU CONNECT A THERMALLY CONTROLLED HEATING CIRCUIT.

The stations control and limit the flow temperature in combined radiator/surface heating systems. The stations contain all components you need to connect the heat generator, pump and pipework. With the **Regumat F stations** you can shut off the heating circuit on the supply and return side.

THE STATIONS CONSIST OF:

+ a ***shutoff device*** with two ball valves to shut off the heating circuit
+ two ***thermometers*** integrated in the handles to display the flow and return temperature
+ a ***check valve*** to prevent incorrect circulation
+ a ***three-way mixing valve*** with temperature controller
+ a ***thermal insulation***

Depending on the version, a pump ball valve is also included. This makes it easy for you to change the pump, because you do not have to drain system parts.

Regumat F-130

REGUMAT F-130 DN 25

Pump length	**130 mm**
Connection heat generator	**G 1½ external thread, flat sealing**
Connection heating circuit	**G 1½ external thread, flat sealing**
Recommended application*	**15 kW**
Temperature control range	**20–50 °C**

Item no.	Pump type
1354171	without pump

Regumat F-180

REGUMAT F-180 DN 25 WITH PUMP BALL VALVE

Pump length	**180 mm**
Connection heat generator	**G 1½ external thread, flat sealing**
Connection heating circuit	**G 1½ external thread, flat sealing**
Recommended application*	**15 kW**
Temperature control range	**20–50 °C**

Item no.	Pump type
1354270	without pump
1354272	without pump and without temperature controller
1354274	Grundfos ALPHA 2.1 25-60
1354276	Wilo-Stratos PICO 25/1-6

REGUMAT F-180 DN 25

Pump length	**180 mm**
Connection heat generator	**G 1½ external thread, flat sealing**
Connection heating circuit	**G 1½ external thread, flat sealing**
Recommended application*	**15 kW**
Temperature control range	**20–50 °C**

Item no.	Pump type
1354070	without pump

* ΔT = 20 K, Δp = 100 mbar

Regumat FR-180

REGUMAT FR-180 DN 25

Pump length	**180 mm**
Connection heat generator	**G 1½ external thread, flat sealing**
Connection heating circuit	**G 1½ external thread, flat sealing**
Recommended application*	**15 kW**
Temperature control range	**20–50 °C**

Item no.	Pump type
1354087	Grundfos ALPHA 2.1 25-60N
1354097	Wilo-Stratos PICO plus 25/1-6 N

Regumat MF-180

REGUMAT MF-180 DN 25 WITH PUMP BALL VALVE AND ELECTRONIC FIXED FLOW TEMPERATURE VALUE CONTROL

Pump length	**180 mm**
Connection heat generator	**G 1½ external thread, flat sealing**
Connection heating circuit	**G 1½ external thread, flat sealing**
Recommended application*	**40 kW**
Temperature control range	**0–95 °C**

Item no.	Pump type
1354260	without pump

* ΔT = 20 K, Δp = 100 mbar

Regumat RTA stations
for solid fuel boilers

- Time-saving installation, as pre-assembled
- Space-saving installation due to compact design
- High functional reliability due to maintenance-free components and high-quality materials
- Simple modular extension with accessories

WITH THESE STATIONS YOU CONNECT A SOLID FUEL BOILER.

The return temperature to the sold fuel boiler is at least approx. 55 °C and thus above the dew point. It prevents condensate tar formation. During start-up mode, the boiler circuit is short circuited. Hot supply water is fed to the return flow via the bypass. When the return temperature of 55 °C is reached, the mixing valve opens.

THE STATIONS CONSIST OF:

+ a ***shutoff device*** with two ball valves to shut off the heating circuit
+ two ***thermometers*** integrated in the handles to display the flow and return temperature
+ a ***check valve*** to prevent incorrect circulation
+ a ***three-way mixing valve*** with temperature controller
+ a ***thermal insulation***

Regumat RTA-130

REGUMAT RTA-130 VR DN 25
WITH SUPPLY ON THE RIGHT HAND SIDE

Pump length	**130 mm**
Connection heat generator	**G 1½ external thread, flat sealing**
Connection heating circuit	**G 1½ external thread, flat sealing**
Recommended application*	**30 kW**
Temperature control range	**40–70 °C**

Item no.	Pump type
1354795	Wilo PARA 25-130/6-43/SC-9

REGUMAT RTA-130 VL DN 25
WITH SUPPLY ON THE LEFT HAND SIDE

Pump length	**130 mm**
Connection heat generator	**G 1½ external thread, flat sealing**
Connection heating circuit	**G 1½ external thread, flat sealing**
Recommended application*	**30 kW**
Temperature control range	**40–70 °C**

Item no.	Pump type
1354798	Wilo PARA 25-130/6-43/SC-3

REGUMAT RTA-130 TOP DN 25
WITH CONNECTION FROM THE TOP

Pump length	**130 mm**
Connection heat generator	**G 1½ external thread, flat sealing**
Connection heating circuit	**G 1½ external thread, flat sealing**
Recommended application*	**30 kW**
Temperature control range	**40–70 °C**

Item no.	Pump type
1354783	Wilo PARA 25-130/6-43/SC-3

* ΔT = 20 K, Δp = 100 mbar

Regumat RTA-180

REGUMAT RTA-180 DN 25

Pump length	**180 mm**
Connection heat generator	**G 1½ external thread, flat sealing**
Connection heating circuit	**G 1½ external thread, flat sealing**
Recommended application*	**30 kW**
Temperature control range	**40–70 °C**

Item no.	Pump type
1354692	without pump
1354691	Wilo PARA 25-180/6-43/SC-6

REGUMAT RTA-180 DN 25
WITH UNIVERSAL THERMAL INSULATION OF MODULAR CONSTRUCTION

Pump length	**180 mm**
Connection heat generator	**G 1½ external thread, flat sealing**
Connection heating circuit	**G 1½ external thread, flat sealing**
Recommended application*	**30 kW**
Temperature control range	**40–70 °C**

Item no.	Pump type
1354580	without pump
1354587	Wilo PARA 25-180/6-43/SC-6

REGUMAT RTAF-180 DN 25
WITH PUMP BALL VALVE AND ELECTRONIC FIXED VALUE CONTROL (RETURN TEMPERATURE INCREASE)

Pump length	**180 mm**
Connection heat generator	**G 1½ external thread, flat sealing**
Connection heating circuit	**G 1½ external thread, flat sealing**
Recommended application*	**40 kW**
Temperature control range	**0–95 °C**

Item no.	Pump type
1354560	without pump

REGUMAT RTA-180 DN 32

Pump length	**180 mm**
Connection heat generator	**G 2 external thread, flat sealing**
Connection heating circuit	**G 2 external thread, flat sealing**
Recommended application*	**35 kW**
Temperature control range	**40–70 °C**

Item no.	Pump type
1354571	Wilo PARA 30-180/6-43/SC-9

* ΔT = 20 K, Δp = 100 mbar

Modular accessories
Clever combination

+ Heat exchanger with safety group set

+ Heat meter installation set

+ Distributor for Regumat DN 25

+ Modular distributor for Regumat DN 25

+ Distributor for Regumat DN 40 / 50

+ HydroFixx hydraulic separator/distributor combination for Regumat DN 25

+ MonoFixx for Regumat DN 25

+ HydroFixx hydraulic separator/distributor combination for Regumat DN 40 / 50

+ Regtronic RH heating circuit controller

+ Regtronic EM extension module

Regtronic
Weather-compensated control of the heating flow temperature

REGTRONIC RH HEATING CIRCUIT CONTROLLER

Weather-compensated control of the heating flow temperature via the demand of a heat generator and/or a mixing valve (e.g. **Regumat M3** with three-way mixing valve).

The heating circuit controller can control a ***mixed*** and an ***unmixed*** heating circuit with heat demand. It can optionally be extended to six mixed and six unmixed heating circuits.

ADVANTAGES OF THE REGTRONIC RH

+ ***Different control modes*** of the heating circuits possible: weather, fixed value and room temperature
+ Schematically preprogrammed ***standard applications*** and numerous ***optional functions***
+ ***Modularly extendable*** with up to five **Regtronic EM**

REGTRONIC EM EXTENSION MODULE

For extending the **Regtronic RH** heating circuit controller by six sensor inputs and five relay outputs. Thus, further mixed and unmixed heating circuits can be controlled.

Up to five extension modules can be connected to the **Regtronic RH** heating circuit controller. A PT 1000 pipe contact sensor is included in the scope of delivery.

Achieve more? Together we can do it!

Whether you are working with our products for the first time, need support with the design or help with a complex installation on site – we are there for you ***flexibly and reliably***. As your ***long-term partner and personal problem solver.*** We make your working day easier and give you the support you need! Find out more at service.oventrop.com

SUPPORT DURING COMMISSIONING

The system is already installed, but you need ***help with commissioning?*** We can help with that too. Especially with complex systems and initial programming, you can save valuable time.

In addition to ***personal support on site,*** you can also ***prepare*** you projects ***digitally*** with Oventrop.

EASILY CARRY OUT DESIGNS AND CALCULATIONS ONLINE

With our online design:
oventrop.com/qr/goregumat

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Technical modifications reserved.

Room climate

Hydronics

Stations,
Storage cylinders

Potable water

Oil

Smart Home,
Smart Building

Oventrop is the partner for efficient heating, cooling and clean potable water. The modular systems and services offer pioneering solutions which all HVAC experts use to work with – easily and flexibly – from planning to installation, from industry to trade. As a family business, Oventrop accompanies all its partners over many years - competently and personally.

oventrop
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