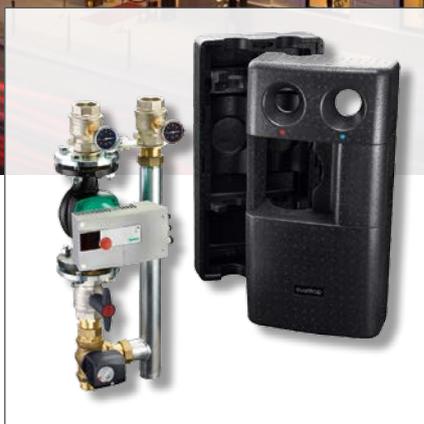


oventrop

Stations, Storage cylinders, Pipes

“Regumat” Stations for the connection of heat generators to the heating circuit



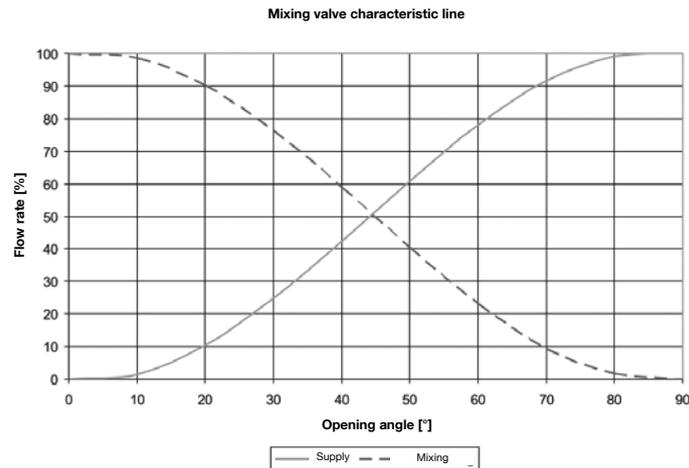
Content

- 2 Three-way mixing valve with actuator
"Regumat S/M3-130" DN 20
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- 9 "Regumat S/M3-280" DN 50
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- 13 Accessories / Distributors / Hydronic headers
- 14-15 "Regtronic RH"
Heating circuit controller

Three-way mixing valve with actuator

Mixing of the volume flow is achieved by a rotation of the spindle of the mixing valve.

- The equal percentage characteristic line of the mixing valve allows for a mixing of the volume flow to equal proportions
- Optimum control accuracy
- Temperature fluctuations in case of volume flow changes are avoided
- more efficient partial load behaviour



The Oventrop "Regumat" stations include all components which are required for the connection of boiler, pump and pipework.

Oventrop boiler connection groups are first class products made of brass or bronze for heating installations. The production is subject to a constant quality control guaranteeing a long lasting service life without malfunctions. All Oventrop "Regumat" stations are designed for a pressure rating of PN 10.

Advantages of the "Regumat" stations

- complete stations with suitable components for different applications
- supply and return of most stations can be changed on site
- high functional efficiency and maintenance-free components due to high quality materials
- time-saving installation
- some stations supplied with wall mounting device
- modular extension by a heating circuit controller "Regtronic RH"
- some stations can be upgraded with a heat meter installation set



"Regumat S-130" DN 20 – constant temperature heating circuit

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



"Regumat M3-130" DN 20 – variable temperature heating circuit

Item no.	Model
1355251	without pump
1355257	with Grundfos ALPHA 2.1 15-60
1355259	with Wilo-Stratos PICO 15/1-6

Pump length: 130 mm
 Connection to the boiler:
 G 1 male thread, flat sealing
 Connection to the heating circuit:
 G 1 male thread, flat sealing

The product assemblies consist of:

- isolation device with 2 ball valves and 2 thermometers
- wall mounting device
- three-way mixing valve with check valve and actuator ("Regumat M3-130")
- flanged pipe with check valve and distance piece ("Regumat S-130")
- universal thermal insulation
- optional extension by a heating circuit controller "Regtronic RH"



“Regumat S-130” DN 25

Pump length: 130 mm

Connection to the boiler:

G 1 ½ male thread, flat sealing

Connection to the heating circuit:

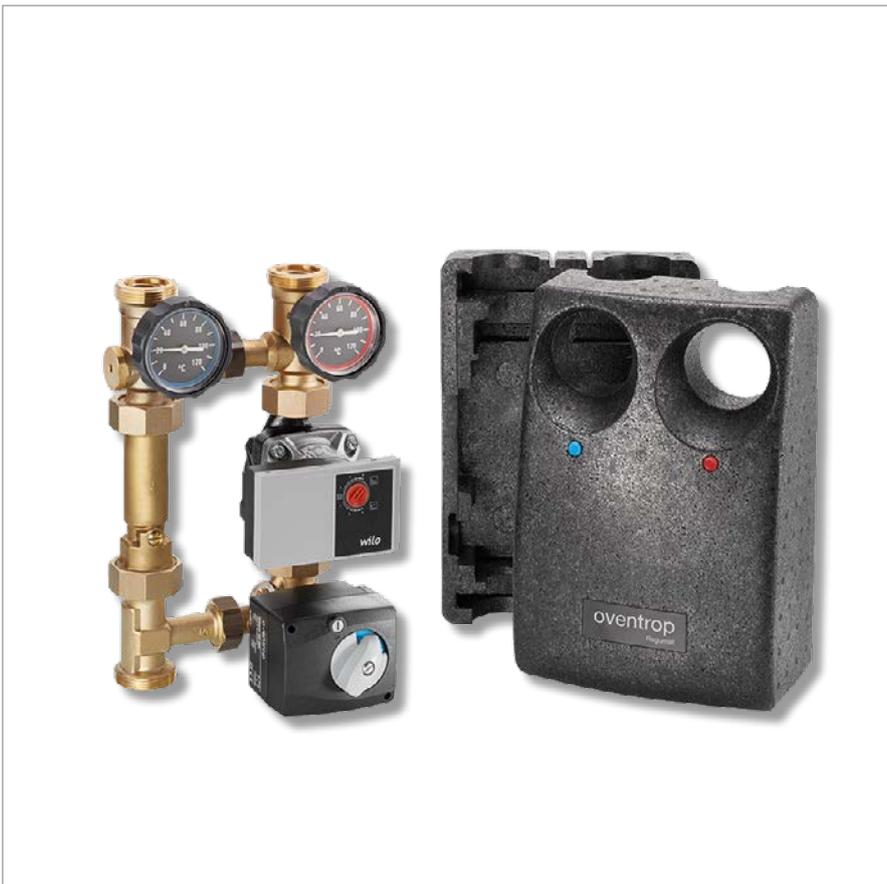
G 1 ½ male thread, flat sealing

The product assemblies consist of:

- isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
- three-way mixing valve with manually adjustable bypass and actuator (“Regumat M3-130”)
- flanged pipe with check valve
- distance piece (“Regumat S-130”)
- optional extension by a heating circuit controller “Regtronic RH”

“Regumat S-130” DN 25 – constant temperature heating circuit

Item no.	Model
1355071	without pump
1355074	with Wilo-Yonos PARA RS 25/6 RKA



“Regumat M3-130” DN 25 with high-efficiency pump

“Regumat M3-130” DN 25 – variable temperature heating circuit

Item no.	Model
1355271	without pump
1355274	with Wilo-Yonos PARA RS 25/6 RKA

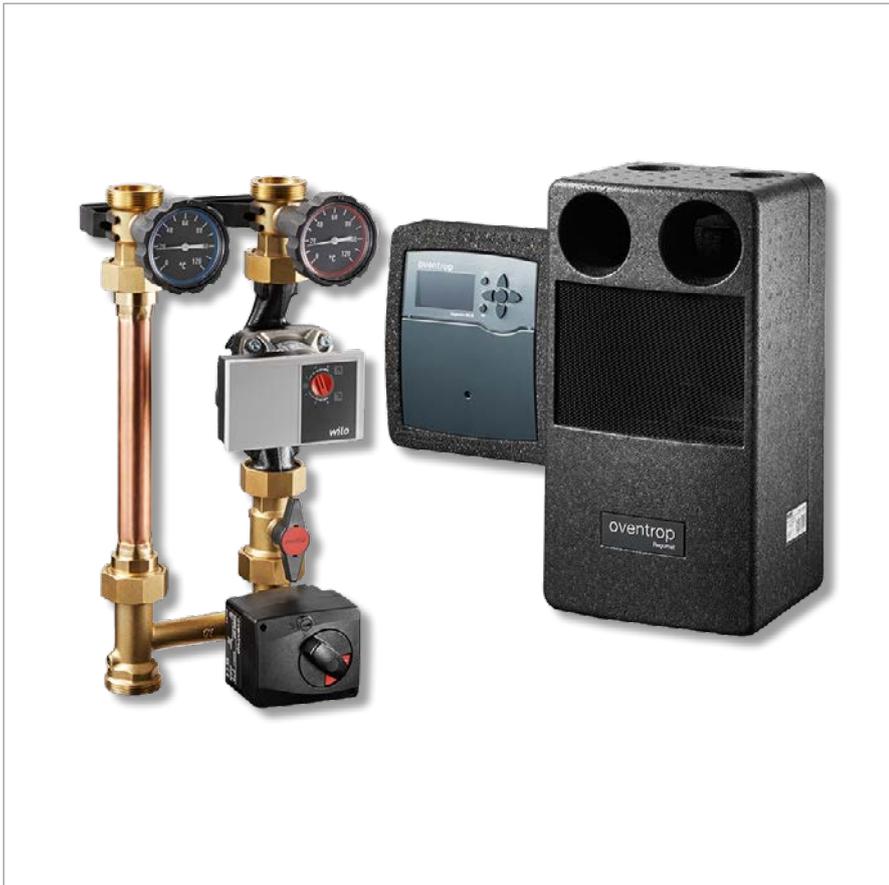


“Regumat S-180” DN 25 with pump ball valve at the high-efficiency pump inlet

Pump length: 180 mm
 Connection to the boiler:
 G 1 ½ male thread, flat sealing
 Connection to the heating circuit:
 G 1 ½ male thread, flat sealing

The product assemblies consist of:

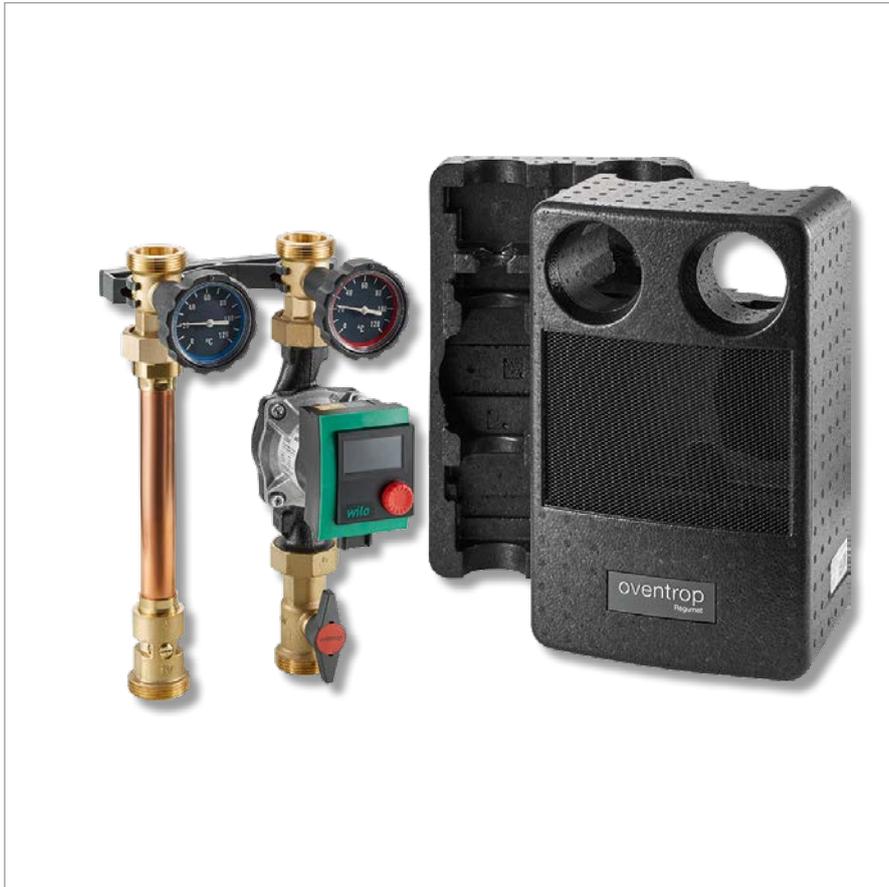
- isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
- wall mounting device
- flanged pipe
- check valve (“Regumat S-180”)
- three-way mixing valve with check valve and actuator with quick mounting technique “plug and play” (“Regumat M3-180”)
- universal thermal insulation
- pump ball valve at the pump inlet
- distance piece (“Regumat S-180”)
- optional extension by a heating circuit controller “Regtronic RH” or a heating circuit controller extension set including “Regtronic RH” and bracket for the direct connection to the station
- optional upgrading with a heat meter connection set



“Regumat M3-180” DN 25 as above, illustration with optional heating circuit controller extension set “Regtronic RH”

“Regumat S-180” DN 25 with pump ball valve – constant temperature heating circuit	
Item no.	Model
1357070	without pump
1357072	with Wilo-Yonos PARA RS 25/6 RKA
1357073	with Grundfos ALPHA 2.1 25-60

“Regumat M3-180” DN 25 with pump ball valve – variable temperature heating circuit	
Item no.	Model
1357270	without pump
1357272	with Wilo-Yonos PARA RS 25/6 RKA
1357273	with Grundfos ALPHA 2.1 25-60



“Regumat S-180” DN 25 with reduced dimensions and high-efficiency pump

Pump length: 180 mm

Connection to the boiler:

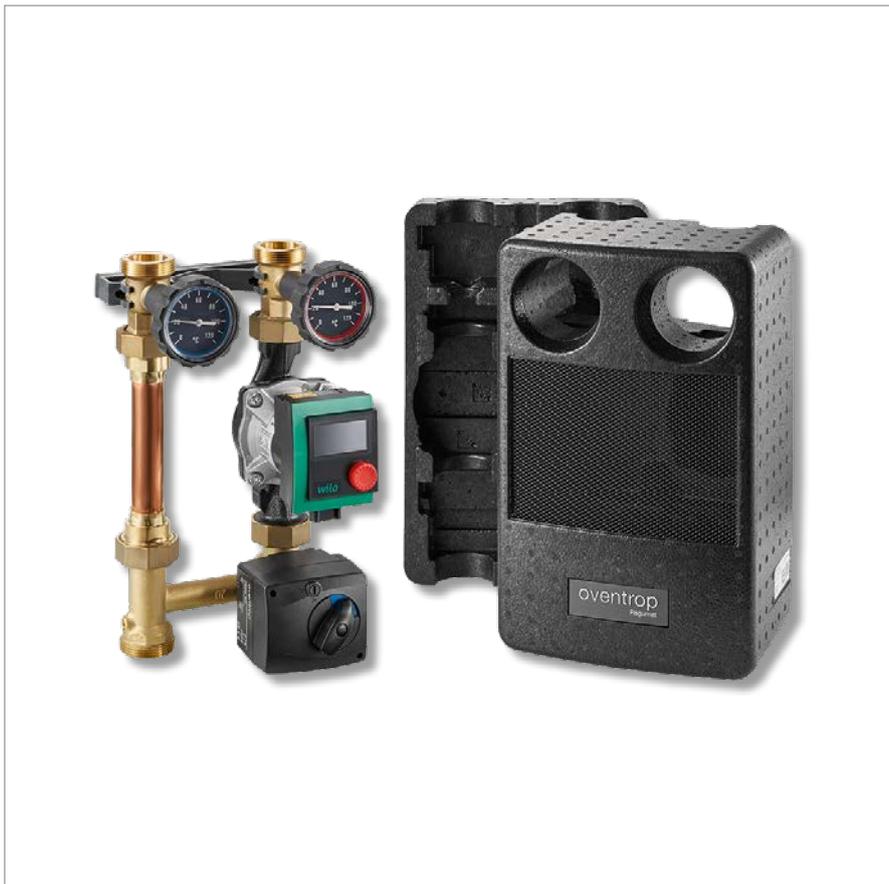
G 1 ½ male thread, flat sealing

Connection to the heating circuit:

G 1 ½ male thread, flat sealing

The product assemblies consist of:

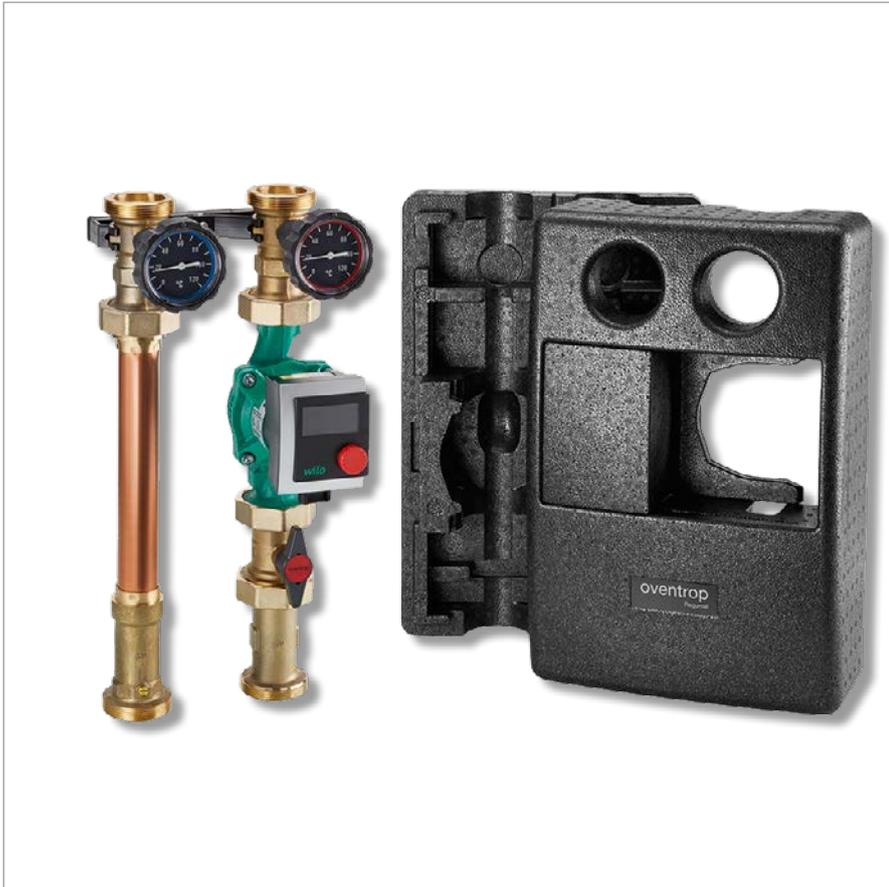
- isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
- wall mounting device
- flanged pipe (“Regumat M3-180”)
- flanged pipe with check valve (“Regumat S-180”)
- three-way mixing valve with check valve and actuator with quick mounting technique “plug and play” (“Regumat M3-180”)
- universal thermal insulation
- pump ball valve at the pump inlet (“Regumat S-180”)
- optional extension by a heating circuit controller “Regtronic RH” or a heating circuit controller extension set including “Regtronic RH” and bracket for the direct connection to the station



“Regumat M3-180” DN 25 with reduced dimensions and high efficiency pump

“Regumat S-180” DN 25 reduced dimensions – constant temperature heating circuit	
Item no.	Model
1357020	without pump
1357027	with Grundfos ALPHA 2.1 25-60
1357029	with Wilo-Stratos PICO 25/1-6

“Regumat M3-180” DN 25 reduced dimensions – variable temperature heating circuit	
Item no.	Model
1357220	without pump
1357227	with Grundfos ALPHA 2.1 25-60
1357229	with Wilo-Stratos PICO 25/1-6



“Regumat S-180” DN 32 with pump ball valve at the high-efficiency pump inlet

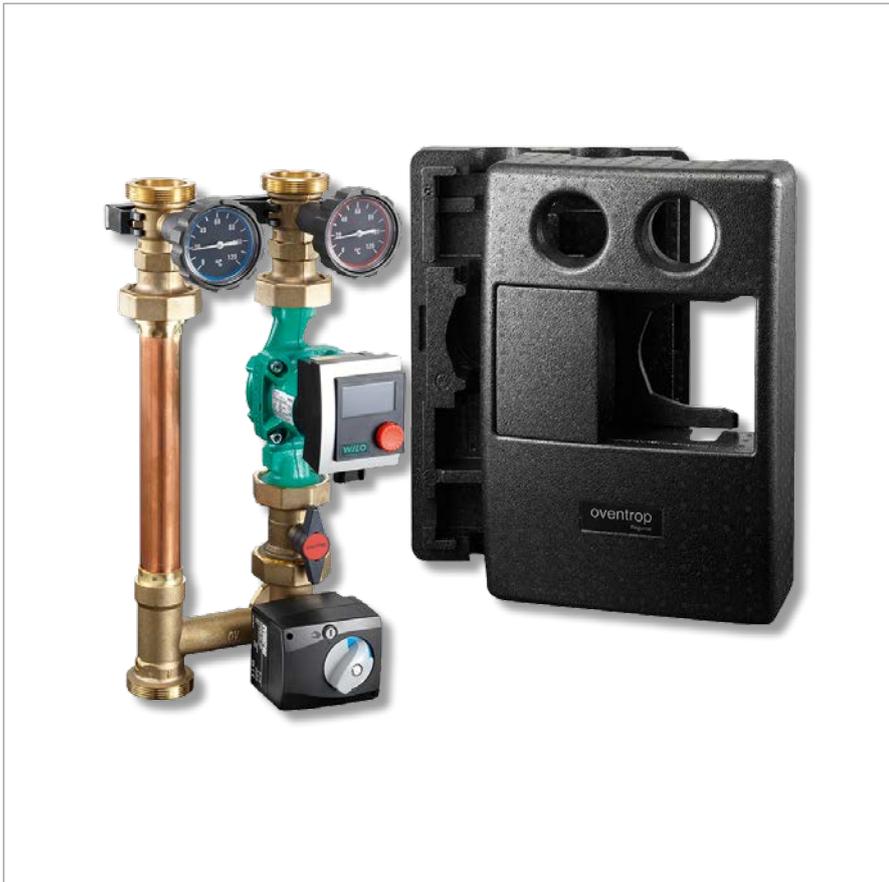
Pump length: 180 mm
 Connection to the boiler:
 G 2 male thread, flat sealing
 Connection to the heating circuit:
 G 2 male thread, flat sealing

The product assemblies consist of:

- isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
- wall mounting device
- flanged pipe with check valve
- three-way mixing valve and actuator (“Regumat M3-180”)
- universal thermal insulation
- pump ball valve at the pump inlet
- optional extension by a heating circuit controller “Regtronic RH”

**“Regumat S-180” DN 32
 with pump ball valve –
 constant temperature heating circuit**

Item no.	Model
1355075	without Pumpe
1355076	with Grundfos ALPHA 2.1 32-60
1355079	with Wilo-Stratos PICO plus 30/1-6



“Regumat M3-180” DN 32 with pump ball valve at the high-efficiency pump inlet

**“Regumat M3-180” DN 32
 with pump ball valve –
 variable temperature heating circuit**

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



“Regumat S-180 plus” DN 32 with pump ball valve at the high-efficiency pump inlet

Pump length: 180 mm

Connection to the boiler:

G 2 male thread, flat sealing

Connection to the heating circuit:

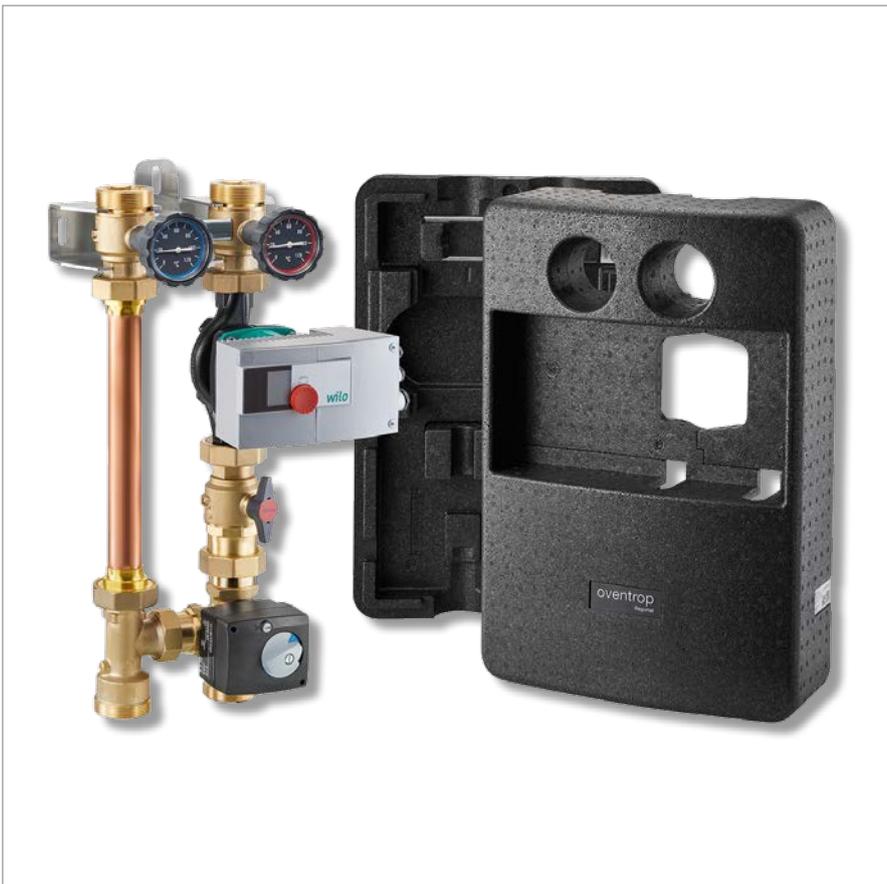
G 2 male thread, flat sealing

The product assemblies consist of:

- isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
- wall mounting device
- flanged pipe
- check valve
- three-way mixing valve and actuator (“Regumat M3-180 plus”)
- universal thermal insulation
- pump ball valve at the pump inlet
- distance piece (“Regumat S-180 plus”)
- optional extension by a heating circuit controller “Regtronic RH”

“Regumat S-180 plus” DN 32
with pump ball valve –
constant temperature heating circuit

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



“Regumat M3-180 plus” DN 32 with pump ball valve at the high-efficiency pump inlet

“Regumat M3-180 plus” DN 32
with pump ball valve –
variable temperature heating circuit

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



“Regumat S-220” DN 40

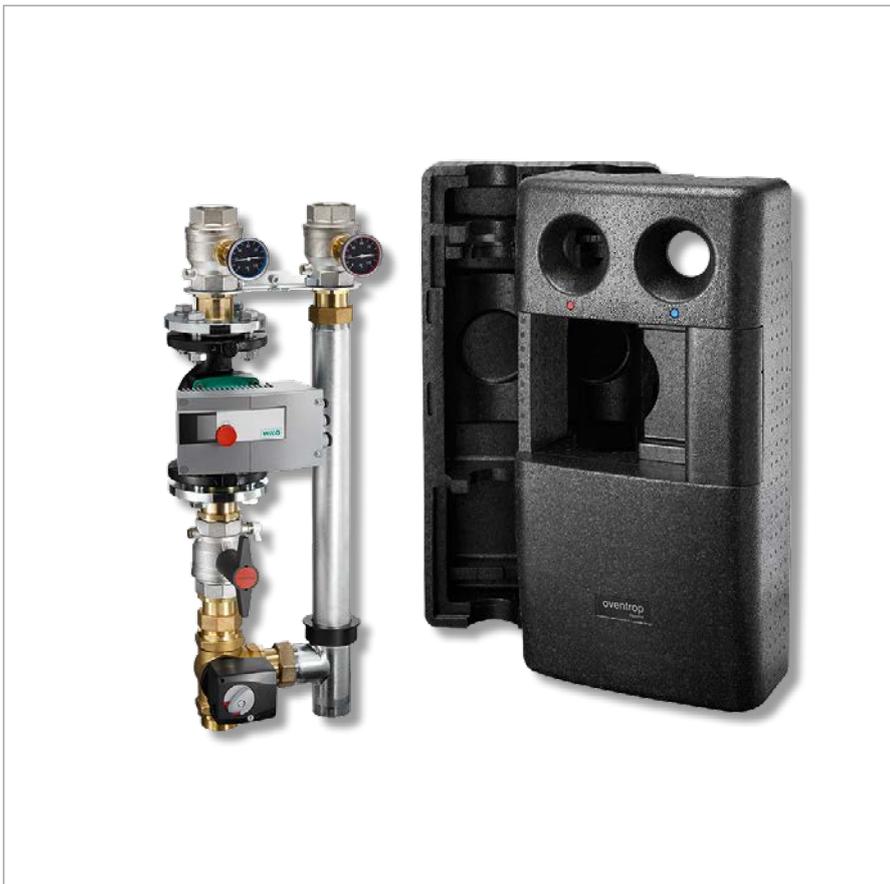
Pump length: 220 mm
 Connection to the boiler:
 G 2 male thread, flat sealing
 Connection to the heating circuit:
 G 2 female thread

The product assemblies consist of:

- isolating ball valve for the supply pipe with thermometer and draining/flushing valve
- isolating ball valve for the return pipe with integrated check valve, thermometer and draining/flushing valve
- bracket
- pump ball valve with draining/flushing valve
- three-way mixing valve with actuator (“Regumat M3-220”)
- distance piece (“Regumat S-220”)
- return pipe
- universal thermal insulation

“Regumat S-220” DN 40 – constant temperature heating circuit

Item no.	Model
1358240	without pump
1358251	with Wilo-Stratos 40/1-8
1358252	with Grundfos MAGNA3 40-100F



“Regumat M3-220” DN 40

“Regumat M3-220” DN 40 – variable temperature heating circuit

Item no.	Model
1358340	without pump
1358351	with Wilo-Stratos 40/1-8
1358352	with Grundfos MAGNA3 40-100F



“Regumat S-280” DN 50

Pump length: 280 mm

Connection to the boiler:
G 2 male thread, flat sealing

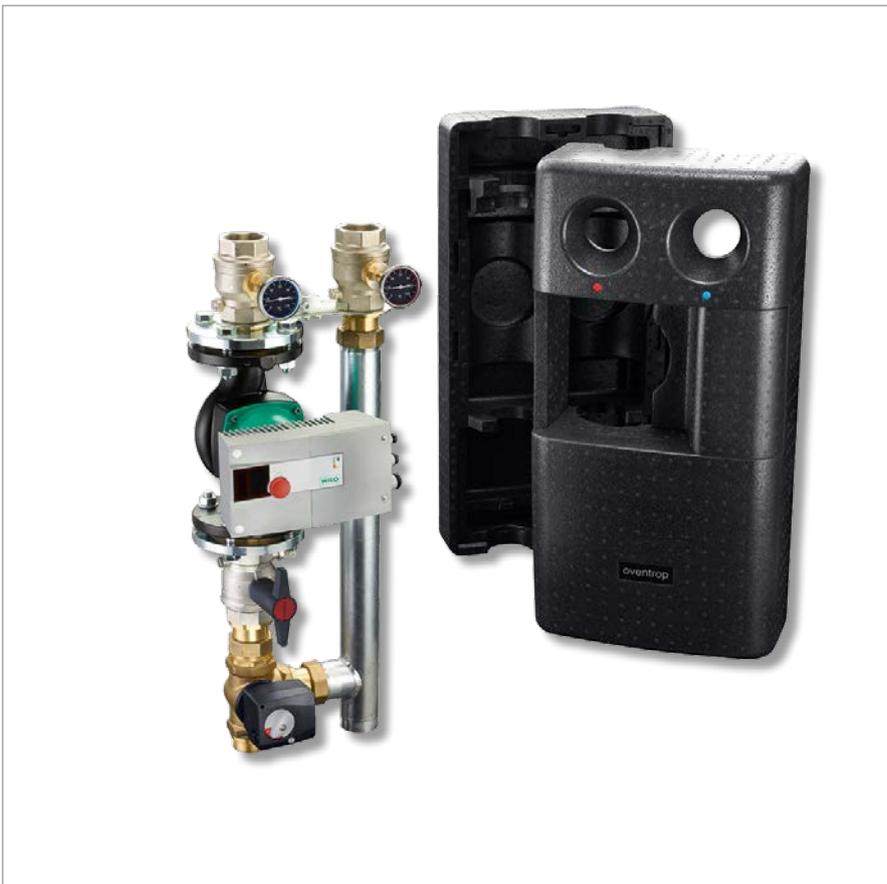
Connection to the heating circuit:
G 2 female thread

The product assemblies consist of:

- isolating ball valve for the supply pipe with thermometer and draining/flushing valve
- isolating ball valve for the return pipe with integrated check valve, thermometer and draining/flushing valve
- bracket
- pump ball valve with draining/flushing valve
- three-way mixing valve with actuator (“Regumat M3-280”)
- distance piece (“Regumat S-280”)
- return pipe
- universal thermal insulation

“Regumat S-280” DN 50 – constant temperature heating circuit

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



“Regumat S-280” DN 50

“Regumat M3-280” DN 50 – variable temperature heating circuit

Item no.	Model
1358640	without pump
1358651	with Wilo-Stratos 50/1-12
1358652	with Grundfos MAGNA3 50-120F



“Regumat F-180” DN 25 with electric pipe contact safety switch



“Regumat FR-180” DN 25 with heat exchanger made of stainless steel

“Regumat” stations for thermally controlled surface heating systems. The fixed value control units serve the flow temperature control and limitation in combined radiator/surface heating systems.

The body of the high-efficiency pump of the “Regumat FR-180” is made of stainless steel to counteract the risk of corrosion in case of system related oxygen input.

According to DIN EN 1264-4, the electric pipe contact safety switch acts as safety device. If the set flow temperature is exceeded, the pipe contact safety switch switches off the high-efficiency pump and switches it on again when the temperature has dropped.



Advantages of the “Regumat F/FR” stations

- pre-assembled product group with high-efficiency pump with a length of 130 or 180 mm
- thermal insulation made of expanded polypropylene supplied with each station
- sensor integrated in the supply
- including electric pipe contact safety switch avoiding excess temperatures
- easy installation by use of tailpipe sets

The product assemblies consist of:

- isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
- temperature controller with immersion sensor
- flanged pipe with check valve
- three-way mixing valve
- electric pipe contact safety switch
- high-efficiency pump (cast iron respectively stainless steel for “Regumat FR-180”)
- thermal insulation

“Regumat F-130” DN 25

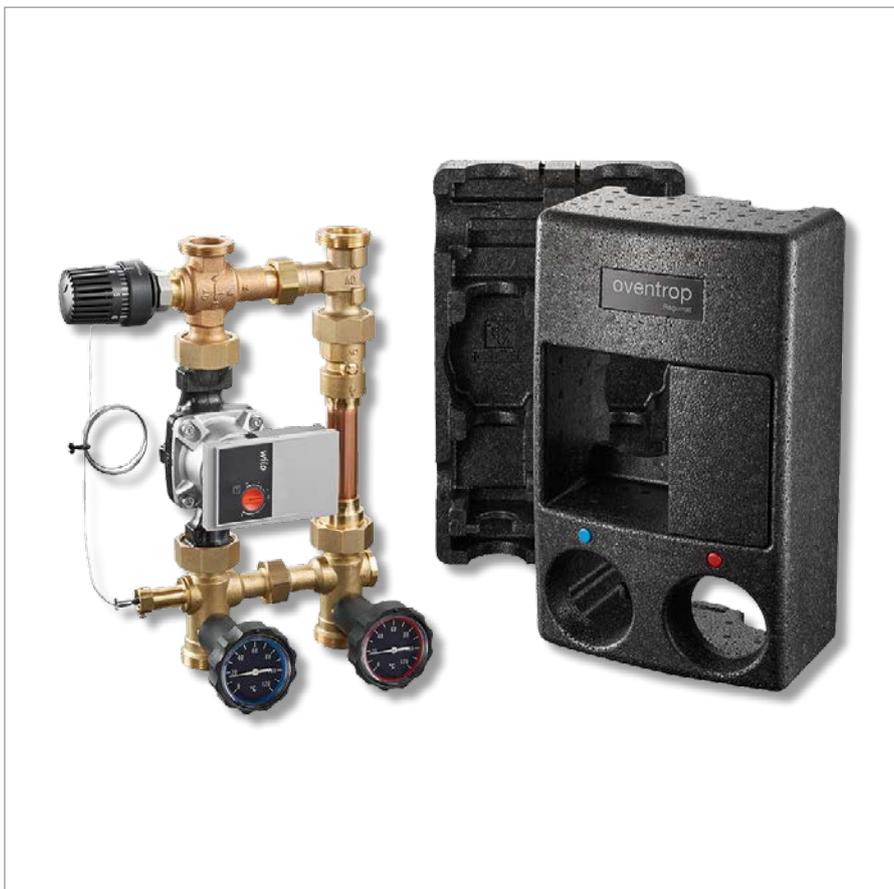
Item no.	Model
1354171	without pump
1354166	with Wilo-Yonos PARA RS 25/6 RKA

“Regumat F-180” DN 25

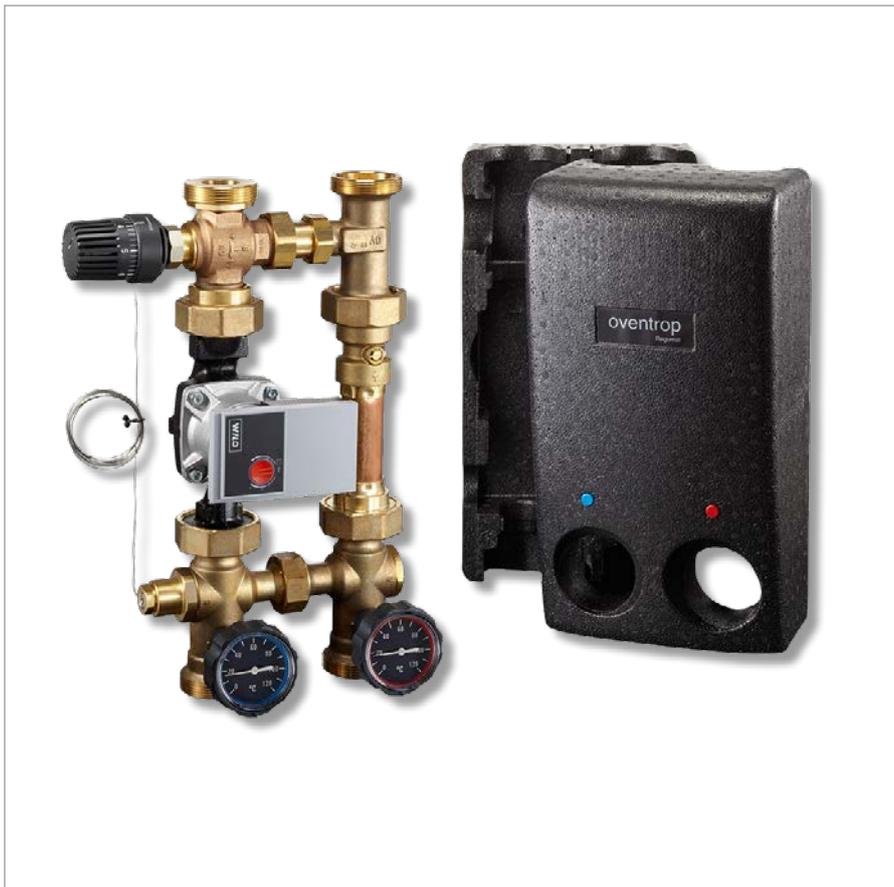
Item no.	Model
1354270	without pump
1354274	with Grundfos ALPHA 2.1 25-60
1354276	with Wilo-Stratos PICO 25/1-6
1354272	without pump and without thermostatic temperature controller
1354070	without pump and without pump ball valve

“Regumat FR-180” DN 25

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



“Regumat RTA-180” DN 25 with high-efficiency pump and universal thermal insulation



“Regumat RTA-180” DN 32 with high-efficiency pump

For the connection of solid fuel heat generators (e.g. pellet boilers, wood gasification boilers, water based pellet or wood stoves) to a buffer storage cylinder system.

The minimum return temperature to the boiler amounts to 55 °C and thus lies above the dew point.

During start-up, the boiler flow water is short circuited directly to the boiler return via the bypass. Having reached a return temperature of 55 °C, the mixing valve opens the heat emitters.

Advantages of the “Regumat RTA” stations



- pre-assembled product group with high-efficiency pump with a length of 130 or 180 mm
- thermal insulation made of expanded polypropylene supplied with each station
- due to the thermal load, the high-efficiency pump is integrated in the return
- sensor integrated in the return
- easy installation by use of tailpipe sets

The product assemblies consist of:

- ball valve with thermometer
- three-way mixing valve
- temperature controller with immersion sensor, control range 40-70 °C
- flanged pipe with check valve
- ball valve with thermometer and connection for immersion sensor
- thermal insulation

“Regumat RTA-180” DN 25 with universal thermal insulation

Item no.	Model
1354580	without pump
1354586	with Grundfos ALPHA 2.1 25-60
1354587	with Wilo-Yonos PARA RS 25/6 RKC

“Regumat RTA-180” DN 32

Item no.	Model
1354692	without pump
1354691	with Wilo-Yonos PARA RS 25/6 RKC

“Regumat RTA-180” DN 32

Item no.	Model
1354571	with Wilo-Yonos PARA RS 30/6 RKC



“Regumat MF-180” DN 25 with pump ball valve

“Regumat” station for thermally controlled surface heating systems. Fixed value control unit for flow temperature control and limitation in combined radiator/surface heating systems. The flow temperature is controlled with the help of a three-way mixing valve in combination with a temperature controller with temperature sensor.

Pump length: 180 mm

Connection to the boiler:

G 1 ½ male thread, flat sealing

Connection to the heating circuit:

G 1 ½ male thread, flat sealing

Temperature control ranges:

20-80 °C

0-95 °C

60-85 °C

25-45 °C

The product assembly consists of:

- isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
- wall mounting device
- flanged pipe
- three-way mixing valve with check valve and actuator with fixed flow temperature value control including temperature sensor PT 1000 and mains connection 230 V AC
- universal thermal insulation
- pump ball valve at the pump inlet
- electronic pipe contact safety switch



Advantages

- pre-assembled product group for high-efficiency pumps with a length of 180 mm
- including thermal insulation made of expanded polypropylene
- flow temperature control with the help of a three-way mixing valve in combination with a temperature controller
- sensor integrated in the supply
- including electric pipe contact safety switch avoiding excess temperatures
- low hydronic resistance
- easy installation by use of tailpipe sets

“Regumat MF-180” DN 25
with pump ball valve - integrated fixed flow
temperature value control

Item no.	Model
1354260	without pump



Heat exchanger with safety group



Heat meter installation set

Heat exchanger made of stainless steel with thermal insulation and safety group for the module extension of the “Regumat” stations DN 25.

Heat meter installation set for “Regumat S/M3-180” stations DN 25 with pump ball valve with integrated temperature sensor connection and adapters (M 12 x 1.5). Suitable for heat meters G ¾, 110 mm or G 1, 130 mm.

Distributor for “Regumat” stations with insulation and wall bracket for the connection of up to 8 heating circuits.



Distributor for “Regumat” DN 25



“HydroFixx” for “Regumat” DN 25

“HydroFixx” for “Regumat” stations Hydronic header/distributor combination with insulation and wall bracket, compact design, made of steel, for the connection of 2 or 3 heating circuits.

“HydroFixx” for “Regumat” stations DN 40/50

Hydronic header/distributor combination with insulation, compact design, made of steel, for the connection of 2 or 3 heating circuits.

Modular distributor for “Regumat” DN 25

made of brass, with insulation. Heating distributor system of modular construction:

- subsequently extendable
- up to 6 “Regumat” stations can be connected to the boiler and heating circuit



“HydroFixx” for “Regumat” DN 40/50



Modular distributor for “Regumat” DN 25

Hydronic header

made of steel, with insulation. For the hydronic decoupling of the heating and boiler circuit.

“MonoFixx” for “Regumat” stations DN 25

made of steel, with insulation and wall bracket. For the hydronic decoupling of the heating and boiler circuit.



Hydronic header



“MonoFixx” for “Regumat” DN 25



“Regtronic RH” Heating circuit controller



“Regtronic EM” Extension module

Weather guided control of the flow temperature of a heating system.

“Regtronic RH” Heating circuit controller

Weather guided control of the flow temperature of a heating system via the demand of a heat generator and/or mixing valve (e.g. “Regumat M3” with three-way mixing valve). The heating circuit controller allows for the control of a variable and of a constant temperature heating circuit with heat demand. Extendable by up to 6 variable and 6 constant temperature heating circuits.

ErP classification heating circuit controller “Regtronic RH”

Item no.	Controller	Required accessories	Boiler control		ErP %	Class
			modulating (0-10 V)	On/Off		
1152083	“Regtronic RH”	Adapter cable item no. 1152086	X		2.0	II
		-		X	1.5	III
1152080	“Regtronic RH” including remote control with room temperature sensor	Adapter cable item no. 1152086	X		4.0	VI
		-		X	3.5	VII
		2 x room temperature sensor item no. 1152095 Adapter cable item no. 1152086	X		5.0	VIII

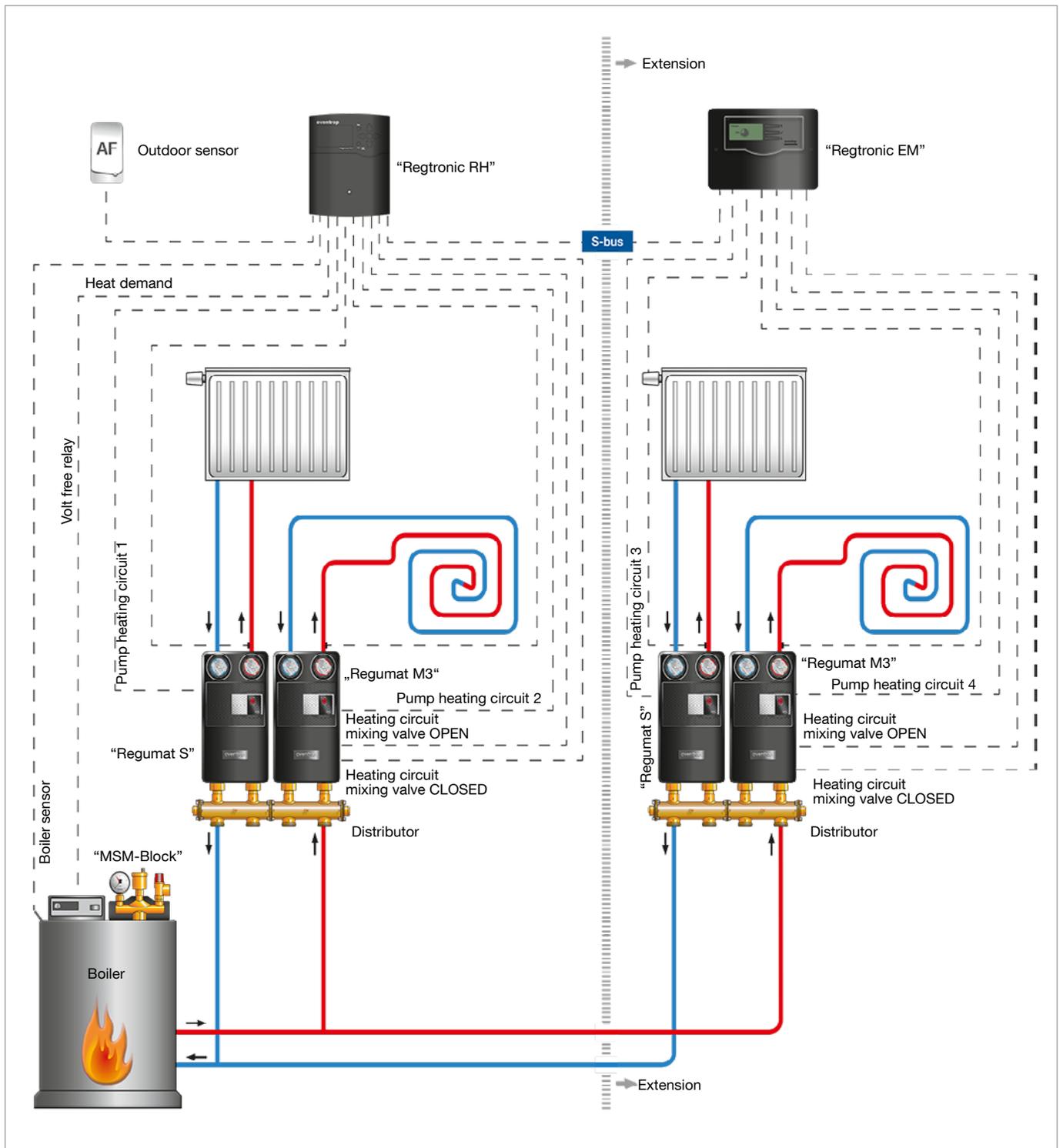
Advantages “Regtronic RH”

- different types of control of the heating circuit (weather guided, fixed value and room temperature)
- preloaded with standard applications and numerous optional functions
- modular extendable by up to five “Regtronic EM”

“Regtronic EM” Extension module

For the extension of the heating circuit controller by 6 sensor inputs and 5 relay outputs. Thus, further variable and constant temperature heating circuits can be activated. Up to five extension modules can be connected to the heating circuit controller “Regtronic RH”. One sensor attached to the pipe PT 1000 is included in the delivery.

“Regtronic RH” Heating circuit controller



System illustration “Regtronic RH” with extension module “Regtronic EM” for additional functions

Room climate

Hydronics

Stations
Storage
cylinders
Pipes

Potable water

Oil
Solar

Smart Home
Smart Building

Subject to technical modifications without notice.
Private persons may purchase our products from their qualified installer.

Presented by:



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