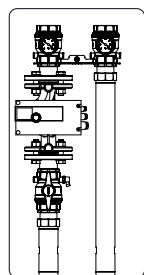


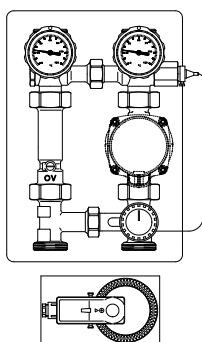
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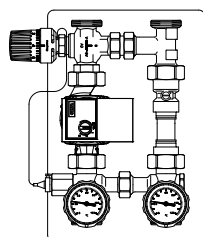
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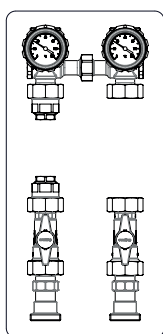
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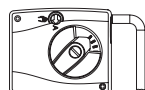
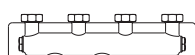
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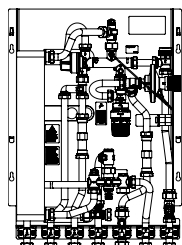
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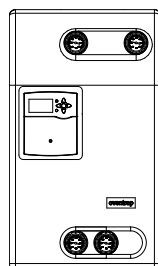




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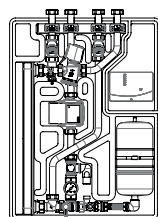
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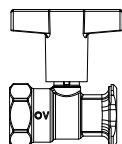
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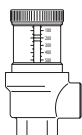
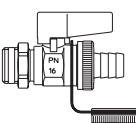
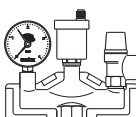
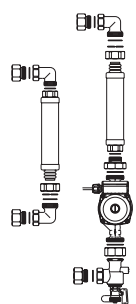
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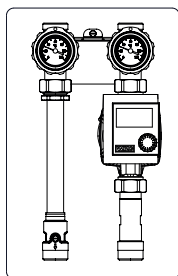


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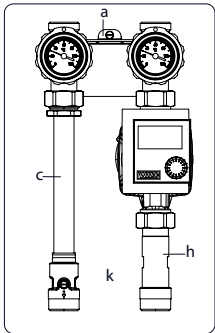


6.a "Regumat 130/180" DN 20/25/32

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| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|



"Regumat S-130" DN 20 - constant temperature heating circuit
with universal thermal insulation of modular construction and wall mounting device

consisting of:
a) isolation device with 2 ball valves, 2 thermometers and wall mounting device
c) flanged pipe with check valve
h) distance piece
k) thermal insulation

without pump **1355051**

with high-efficiency pump (EEI ≤ 0.2)

Grundfos ALPHA 2.1 15-60 **1355057**
Wilo-Stratos PICO 15/1-6 **1355059**

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
Max. operating temperature for high-efficiency pumps: 95 °C

Dimensions product assembly:
Distance between pipe centres: 100 mm
Length: 315 mm

Installation dimensions with thermal insulation (W x H x D):
230 mm x 360 mm x 190 mm

Connection:
To heating circuit:
G 1 male thread, flat sealing
To boiler:
G 1 male thread, flat sealing

Model without pump:
Components loosely connected, individual components leak tested.

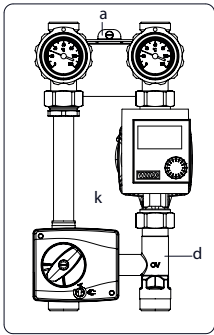
Models with high-efficiency pumps:
Components screwed tightly, product assembly leak tested.

Any standard pump (DN 20, length 130 mm, G 1 male thread) can be installed.

Note: On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

Tailpipe sets are available separately: page 6.66

Heating circuit controller "Regtronic RH" for weather guided control of the flow temperature of the heating system: page 6.71



| Article | Article-No. | Hint |
|---|--|---|
| <p>"Regumat M3-130" DN 20 - variable temperature heating circuit with three-way mixing valve with check valve and actuator</p> <p>with universal thermal insulation of modular construction and wall mounting device</p> <p>consisting of:</p> <p>a) isolation device with 2 ball valves, 2 thermometers and wall mounting device</p> <p>d) three-way mixing valve with check valve and actuator</p> <p>k) thermal insulation</p> | <p>1355251</p> | <p>For the connection of the boiler to the pipework.</p> <p>Max. operating pressure: 10 bar (PN 10) Max. operating temperature for high-efficiency pumps: 95 °C</p> <p>With three-way mixing valve with check valve and actuator for flow temperature control in central heating systems with circulation pump.</p> <p>Dimensions product assembly: Distance between pipe centres: 100 mm Length: 315 mm</p> <p>Installation dimensions with thermal insulation (W x H x D): 230 mm x 360 mm x 190 mm</p> <p>Connection: To heating circuit: G 1 male thread, flat sealing To boiler: G 1 male thread, flat sealing</p> <p>Model without pump: Components loosely connected, individual components leak tested.</p> <p>Models with high-efficiency pumps: Components screwed tightly, product assembly leak tested.</p> <p>Any standard pump (DN 20, length 130 mm, G 1 male thread) can be installed.</p> <p>Note: On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).</p> <p>Tailpipe sets are available separately: page 6.66</p> <p>Heating circuit controller "Regtronic RH" for weather guided control of the flow temperature of the heating system: page 6.71</p> |
| <p>with high-efficiency pump (EEI ≤ 0.2)</p> | <p>1355257 1355259</p> | <p>Grundfos ALPHA 2.1 15-60 Wilo-Stratos PICO 15/1-6</p> |

| Article | Article-No. | Hint |
|---------|-------------|------|
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Accessories for "Regumat S/M3-130" DN 20

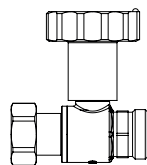
Thermometer



Replacement thermometer for "Regumat/Regusol" DN 20

| | |
|------|----------------|
| blue | 1351701 |
| red | 1351702 |

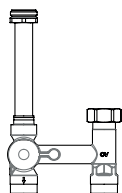
Replacement ball valve for "Regumat-130"
without thermometer, including set of seals



| | |
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| DN 20 | 1351703 |
|-------|----------------|

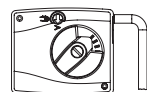
Three-way mixing valve for "Regumat M3"

without actuator,
including pipe for the return and set of seals



| | |
|-------|----------------|
| DN 20 | 1351704 |
|-------|----------------|

Actuators



| | |
|---------------------|----------------|
| 24 V (0-10 V) | 1350951 |
| 24 V (three point) | 1350952 |
| 230 V (three point) | 1350953 |
| 230 V (three point) | 1361098 |

For the operation of three- and four-way mixing valves. As replacement for "Regumat M3/M4".

| |
|--------------------------------------|
| Operating time 140 sec., torque 5 Nm |
| Operating time 140 sec., torque 5 Nm |
| Operating time 140 sec., torque 5 Nm |
| Operating time 35 sec., torque 5 Nm |



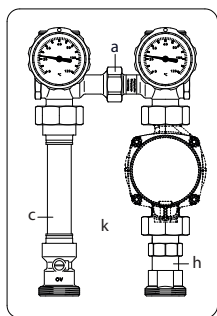
| | |
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| Adapter | 1350296 |
|---------|----------------|

For "Lineg" actuator.



| | |
|---------|----------------|
| Adapter | 1350297 |
|---------|----------------|

For "ESBE" actuator.



"Regumat S-130" DN 25 - constant temperature heating circuit
consisting of:

- a) isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
- c) flanged pipe with check valve
- h) distance piece
- k) thermal insulation

without pump

1355071

with high-efficiency pump (EEI ≤ 0.2)

Grundfos ALPHA 2.1 25-60

1355073

Wilo-Yonos PARA RS 25/6 RKA

1355074

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
Max. operating temperature for high-efficiency pumps: 85 °C

Dimensions product assembly:
Distance between pipe centres: 125 mm
Length: 311 mm

Installation dimensions with thermal insulation (W x H x D):
248 mm x 364 mm x 197 mm

Connection:
To heating circuit:
G 1½ male thread, flat sealing
To boiler:
G 1½ male thread, flat sealing

Model without pump:
Components loosely connected,
individual components leak tested.

Models with high-efficiency pumps:
Components screwed tightly,
product assembly leak tested.

Any standard pump (DN 25, length 130 mm, G 1½ male thread) can be installed.

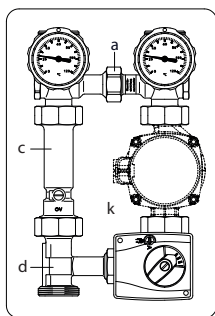
Note: On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

Tailpipe sets (page 6.67) and a wall mounting device (page 6.11) are available separately.

For further information see "Technical information":



| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|



"Regumat M3-130" DN 25 - variable temperature heating circuit
with three-way mixing valve with bypass
with manual presetting and actuator

consisting of:
a) isolation device with 2 ball valves and 2 thermometers
(without pressure relief device)
c) flanged pipe with check valve
d) three-way mixing valve with actuator
k) thermal insulation

| | | |
|--------------|----------------|--|
| without pump | 1355271 | |
|--------------|----------------|--|

with high-efficiency pump (EEI ≤ 0.2)

| | | |
|-----------------------------|----------------|--|
| Grundfos ALPHA 2.1 25-60 | 1355273 | |
| Wilo-Yonos PARA RS 25/6 RKA | 1355274 | |

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
Max. operating temperature for high-efficiency pumps: 85°C

With three-way mixing valve and actuator for flow temperature control in central heating systems with circulation pump.

The three-way mixing valve is additionally equipped with a bypass with manual presetting.

Dimensions product assembly:
Distance between pipe centres: 125 mm
Length: 311 mm

Installation dimensions with thermal insulation (W x H x D):
248 mm x 364 mm x 197 mm

Connection:
To heating circuit:
G 1½ male thread, flat sealing
To boiler:
G 1½ male thread, flat sealing

Model without pump:
Components loosely connected,
individual components leak tested.

Models with high-efficiency pumps:
Components screwed tightly,
product assembly leak tested.

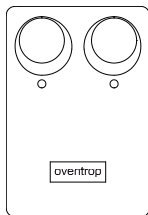
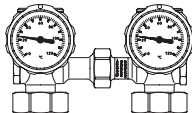

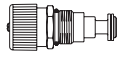


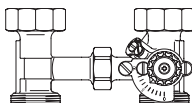
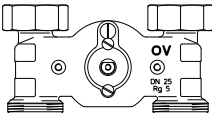
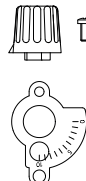
Any standard pump (DN 25, length 130 mm, G 1½ male thread) can be installed.

Note: On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

Tailpipe sets (page 6.67) and a wall mounting device (page 6.11) are available separately.

For further information see "Technical information":



| Article | Article-No. | Hint |
|---|--|--|
| Accessories for "Regumat S/M3-130" DN 25 | | |
|  | <p>Thermal insulation with one-piece front insulation shell:</p> <p>for "Regumat-130" DN 25</p> | <p>1355090</p> <p>Not suitable for "Regumat 130" DN 25 with Grundfos ALPHA 2.</p> |
|  | <p>Isolation device DN 25 for "Regumat" with 2 ball valves and 2 thermometers, 2 collar nuts and set of seals</p> <p>DN 25</p> | <p>1353181</p> |
|  | <p>Replacement thermometer for "Regumat" DN 25-50 as well as for "Regucirc M" and "Optibal PK"</p> | <p>1351690</p> |
|  | <p>Insert for differential pressure relief device (bypass) for subsequent conversion for "Regumat S/M3/M4"</p> <p>DN 25-130 and DN 25-180</p> | <p>1353390</p> <p>Preset to 200 mbar.</p> |
|  | <p>Wall mounting device for "Regumat" including fixing material</p> <p>DN 25-130 and DN 25-180</p> | <p>1352096</p> |
|  | <p>"Regumat" Flanged pipe with check valve</p> <p>DN 25-130</p> <p>DN 25-130</p> | <p>1352296</p> <p>1352275</p> <p>L = 212 mm. For "Regumat S-130" (replacement). L = 130 mm. For the conversion of "Regumat S-130" to "Regumat M3/M4-130".</p> |
|  | <p>Three-way mixing valve for "Regumat M3" without actuator, with set of seals</p> <p>DN 25 <u>with</u> manually adjustable bypass</p> <p>DN 25 <u>without</u> manually adjustable bypass</p> | <p>1350281</p> <p>1350271</p> <p>For flow temperature control. Manual setting, actuator can be mounted subsequently (only valid for DN 25). Distance between pipe centres: 125 mm Connection: G 1½ male thread x G 1½ collar nut</p> |
|  | <p>Bronze four-way mixing valve for "Regumat M4" without actuator and without manual operating device, with bypass with manual presetting, with set of seals</p> <p>DN 25</p> | <p>1350954</p> <p>Only as replacement for "Regumat" DN 32 with "Lineg" actuator manufactured since 2007.</p> |
|  | <p>Setting group for manual setting of the three- and four-way mixing valves</p> | <p>1651500</p> |



| Article | Packing unit | Article-No. | Hint |
|---------|--------------|-------------|------|
|---------|--------------|-------------|------|

Actuators

For the operation of three- and four-way mixing valves. As replacement for "Regumat M3/M4".

| | | | |
|---------------------|--|----------------|--------------------------------------|
| 24 V (0-10 V) | | 1350951 | Operating time 140 sec., torque 5 Nm |
| 24 V (three point) | | 1350952 | Operating time 140 sec., torque 5 Nm |
| 230 V (three point) | | 1350953 | Operating time 140 sec., torque 5 Nm |
| 230 V (three point) | | 1361098 | Operating time 35 sec., torque 5 Nm |



| | | | |
|--|------|----------------|-----------------------------------|
| Set of seals for three-way mixing valve DN 25 | (20) | 1350289 | For "ESBE" and "Lineg" actuators. |
|--|------|----------------|-----------------------------------|



| | | | |
|---|--|----------------|-----------------------------------|
| Set of seals for four-way mixing valve DN 25 | | 1350299 | For "ESBE" and "Lineg" actuators. |
|---|--|----------------|-----------------------------------|



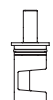
| | | | |
|---------|--|----------------|-----------------------|
| Adapter | | 1350296 | For "Lineg" actuator. |
|---------|--|----------------|-----------------------|



| | | | |
|---------|--|----------------|----------------------|
| Adapter | | 1350297 | For "ESBE" actuator. |
|---------|--|----------------|----------------------|



| | | | |
|------------------------|------|----------------|---|
| Bypass plug M3 - DN 25 | (25) | 1350292 | For three-way mixing valves with manually adjustable bypass for closing the bypass channel. |
|------------------------|------|----------------|---|



| | | | |
|---|--|----------------|---|
| Regulating insert (spindle) for three-way mixing valve DN 25 with set of seals | | 1350285 | For "ESBE" and "Lineg" actuators (without adapter). |
|---|--|----------------|---|

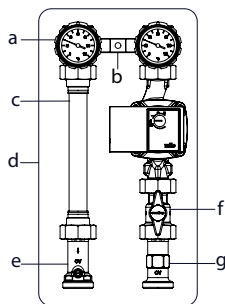


| | | | |
|--|--|----------------|--|
| Regulating insert (spindle) for four-way mixing valve DN 25 with set of seals | | 1350295 | For "ESBE" actuator (without adapter). |
|--|--|----------------|--|



| | | | |
|--|--|----------------|---|
| Regulating insert (spindle) for four-way mixing valve DN 25 with set of seals | | 1350294 | For "Lineg" actuator (without adapter). |
|--|--|----------------|---|

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|



"Regumat S-180" DN 25 with pump ball valve - constant temperature heating circuit

with universal thermal insulation of modular construction. Suitable for the installation of the following high-efficiency pumps:

- Wilo-Yonos PARA
- Wilo-Stratos PICO 25/1-4/6
- Wilo-Stratos ECO 25/1-5
- Grundfos ALPHA 2.1 25-40/60
- Laing series Ecocirc
- Biral AX 13-1

consisting of:

- a) isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
- b) wall mounting device
- c) flanged pipe
- d) thermal insulation
- e) check valve
- f) pump ball valve at the pump inlet
- g) distance piece

without pump **1357070**

with high-efficiency pump (EEI ≤ 0.2)

Wilo-Yonos PARA RS 25/6 RKA **1357072**
Grundfos ALPHA 2.1 25-60 **1357073**

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
Max. operating temperature for high-efficiency pumps: 95 °C

Dimensions product assembly:
Distance between pipe centres: 125 mm
Length: 411 mm

Installation dimensions with thermal insulation (W x H x D):
248 mm x 465 mm x 213 mm

Connection:
To heating circuit:
G 1½ male thread, flat sealing
To boiler:
G 1½ male thread, flat sealing

Model without pump:
Components loosely connected, individual components leak tested.

Models with high-efficiency pumps:
Components screwed tightly, product assembly leak tested.

Any standard pump (DN 25, length 180 mm, G 1½ male thread) can be installed.

Note: On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

Tailpipe sets are available separately: page 6.67

Heating circuit controller "Regtronic RH" for weather guided control of the flow temperature of the heating system: page 6.71

Heating circuit controller extension set including controller "Regtronic RH" and bracket for the direct connection to the station: page 6.16

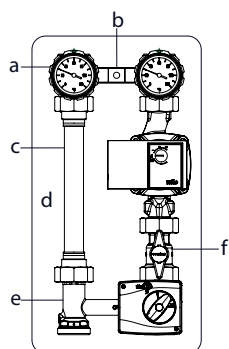
Heat meter connection set can be installed subsequently.

Connection of a heat meter G ¾, 110 mm or G 1, 130 mm: page 6.16

Article

Article-No.

Hint



"Regumat M3-180" DN 25 with pump ball valve - variable temperature heating circuit
with three-way mixing valve with check valve and actuator

with universal thermal insulation of modular construction. Suitable for the installation of the following high-efficiency pumps:

Wilo-Yonos PARA
Wilo-Stratos PICO 25/1-4/6
Wilo-Stratos ECO 25/1-5
Grundfos ALPHA 2.1 25-40/60
Laing series Ecocirc
Biral AX 13-1

- consisting of:
- a) isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
 - b) wall mounting device
 - c) flanged pipe
 - d) thermal insulation
 - e) three-way mixing valve with check valve and actuator
 - f) pump ball valve at the pump inlet

without pump **1357270**

with high-efficiency pump (EEI ≤ 0.2)

Wilo-Yonos PARA RS 25/6 RKA **1357272**
Grundfos ALPHA 2.1 25-60 **1357273**

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
Max. operating temperature for high-efficiency pumps: 95 °C

With three-way mixing valve and actuator for flow temperature control in central heating systems with circulation pump.

Dimensions product assembly:
Distance between pipe centres: 125 mm
Length: 411 mm

Installation dimensions with thermal insulation (W x H x D):
248 mm x 465 mm x 213 mm

Connection:
To heating circuit:
G 1½ male thread, flat sealing
To boiler:
G 1½ male thread, flat sealing

Model without pump:
Components loosely connected, individual components leak tested.

Models with high-efficiency pumps:
Components screwed tightly, product assembly leak tested.

Any standard pump (DN 25, length 180 mm, G 1½ male thread) can be installed.

Note: On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

The actuator can be mounted without tools - "plug & play".

Tailpipe sets are available separately: page 6.67

Heating circuit controller "Regtronic RH" for weather guided control of the flow temperature of the heating system: page 6.71

Heating circuit controller extension set including controller "Regtronic RH" and bracket for the direct connection to the station: page 6.16

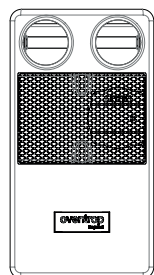
Heat meter connection set can be installed subsequently.

Connection of a heat meter G ¾, 110 mm or G 1, 130 mm: page 6.16

NR24/230 actuators (without mounting plate) can be fitted to the "Regumat" stations DN 25 with the help of the mounting set: page 6.16

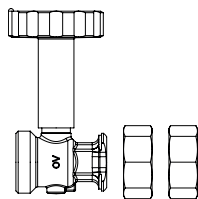
| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|

**Accessories for "Regumat S/M3-180"
DN 25 with pump ball valve**



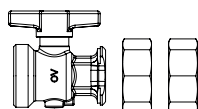
Thermal insulation
including expanded metal and Oventrop plate

| | | |
|-------------------------|----------------|--|
| for "Regumat 180" DN 25 | 1357096 | |
|-------------------------|----------------|--|



Ball valve for isolation device "Regumat S/ M3"
including handle, collar nuts and seals,
without thermometer

| | | |
|--|----------------|--|
| | 1357090 | |
|--|----------------|--|



Pump ball valve for "Regumat S/ M3"
including collar nuts and seals

| | | |
|--|----------------|--|
| | 1357089 | |
|--|----------------|--|



Thermometer

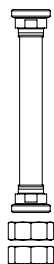
for "Regumat" DN 25 / DN 32

| | | |
|------|----------------|--|
| blue | 1357098 | |
| red | 1357099 | |



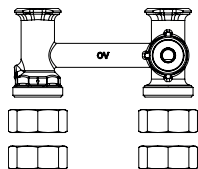
Wall mounting device for "Regumat"

| | | |
|----------------------|----------------|--|
| including fixing set | 1357097 | |
|----------------------|----------------|--|



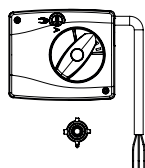
Flanged pipe for "Regumat S/ M3"
including collar nuts and seals

| | | |
|--|----------------|--|
| | 1357091 | |
|--|----------------|--|



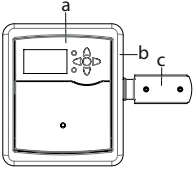
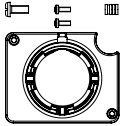
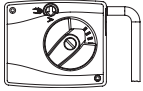
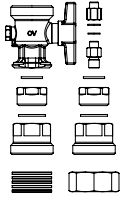


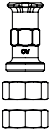




Three-way mixing valve without actuator
including collar nuts and seals

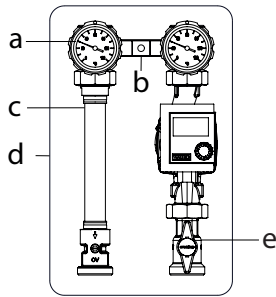
| | | |
|--|----------------|--|
| | 1357092 | |
|--|----------------|--|



Actuator "Lineg"
including mounting plate and adapter

| | | |
|--|----------------|--|
| | 1357093 | |
|--|----------------|--|

| Article | Packing unit | Article-No. | Hint |
|---|--------------|--|--|
|  | | <p>Heating circuit controller extension set for "Regumat 180" DN 25 with pump ball valve</p> <p>consisting of: 1357290</p> <p>a) Heating circuit controller "Regtronic RH" b) Controller location made of expanded polypropylene c) Controller bracket made of metal including fixing material</p> | <p>Controller bracket for the variable direct connection of the heating circuit controller "Regtronic RH" on the left or right hand side of the station.</p> <p>Extension set only suitable for "Regumat" DN 25: 1357070/72/73, 1357270/72/73, 1357020/27/29 and 1357220/27/29</p> |
|  | | <p>Mounting set for actuators NR 24/230 without mounting plate</p> <p>for connection to "Regumat M3-180" DN 25 with pump ball valve</p> <p>1350290</p> | |
|  | | <p>Actuators</p> <p>24 V (0-10 V) 1350951 24 V (three point) 1350952 230 V (three point) 1350953 230 V (three point) 1361098</p> | <p>For the operation of three- and four-way mixing valves. As replacement for "Regumat M3/M4".</p> <p>Operating time 140 sec., torque 5 Nm Operating time 140 sec., torque 5 Nm Operating time 140 sec., torque 5 Nm Operating time 35 sec., torque 5 Nm</p> |
|  | | <p>Heat meter installation set</p> <p>with integrated temperature sensor connection at the pump ball valve and adapters. For heat meters G 1, 130 mm or G 3/4, 110 mm.</p> <p>1352250</p> | <p>Only for "Regumat S/M3-180" DN 25 with pump ball valve.</p> |
|  | | <p>Set of seals</p> <p>for three-way mixing valve DN 25 (20) 1357094</p> | |
|  | | <p>Regulating insert (spindle) for four-way mixing valve DN 25</p> <p>including sleeves and O-rings 1357095</p> | |
|  | | <p>Distance piece</p> <p>for "Regumat S" including collar nuts and seals 1357086</p> | |
|  | | <p>Check valve</p> <p>for "Regumat S" including collar nuts and seals 1357087</p> | |
|  | | <p>Adapter (25) 1357088</p> | <p>For "Lineg" actuator.</p> |
|  | | <p>Adapter</p> <p>for heat meter installation set with temperature sensor Ø 5.2 1352258</p> | <p>(e.g. Hydrometer, Ista, Techem, Minol, Rossweiner, Grundis, NRZ)</p> |
|  | | <p>Adapter</p> <p>for heat meter installation set with temperature sensor Ø 6 1352259</p> | <p>(e.g. Allmess)</p> |

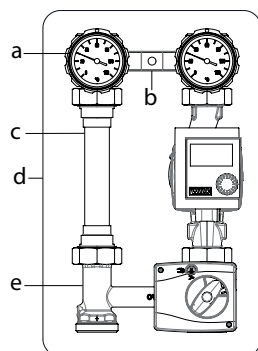


| Article | Article-No. | Hint |
|--|---|--|
| <p>"Regumat S-180" DN 25 with reduced dimensions - constant temperature heating circuit with universal thermal insulation of modular construction. Suitable for the installation of the following high-efficiency pumps:</p> <p>Wilo-Yonos PARA Wilo-Stratos PICO 25/1-4/6 Wilo-Stratos ECO 25/1-5 Grundfos ALPHA 2.1 25-40/60 Laing series Ecocirc Biral AX 13-1</p> <p>consisting of: a) isolation device with 2 ball valves and 2 thermometers (without pressure relief device) b) wall mounting device c) flanged pipe with check valve d) thermal insulation f) pump ball valve at the pump inlet</p> | | <p>For the connection of the boiler to the pipework.</p> <p>Max. operating pressure: 10 bar (PN 10) Max. operating temperature for high-efficiency pumps: 95 °C</p> <p>Dimensions product assembly: Distance between pipe centres: 125 mm Length: 339 mm</p> <p>Installation dimensions with thermal insulation (W x H x D): 248 mm x 393 mm x 213 mm</p> <p>Connection: To heating circuit: G 1½ male thread, flat sealing To boiler: G 1½ male thread, flat sealing</p> |
| without pump | 1357020* | <p>Model without pump: Components loosely connected, individual components leak tested.</p> |
| <p>with high-efficiency pump (EEI ≤ 0.2)</p> <p>Grundfos ALPHA 2.1 25-60 Wilo-Stratos PICO 25/1-6</p> | <p>1357027* 1357029*</p> | <p>Models with high-efficiency pumps: Components screwed tightly, product assembly leak tested.</p> <p>Any standard pump (DN 25, length 180 mm, G 1½ male thread) can be installed.</p> <p>Note: On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).</p> <p>Tailpipe sets are available separately: page 6.67</p> <p>Heating circuit controller "Regtronic RH" for weather guided control of the flow temperature of the heating system: page 6.71</p> <p>Heating circuit controller extension set including controller "Regtronic RH" and bracket for the direct connection to the station: page 6.19</p> |

Article

Article-No.

Hint



"Regumat M3-180" DN 25 with reduced dimensions - variable temperature heating circuit
 with three-way mixing valve with check valve and actuator

with universal thermal insulation of modular construction. Suitable for the installation of the following high-efficiency pumps:

- Wilo-Yonos PARA
- Wilo-Stratos PICO 25/1-4/6
- Wilo-Stratos ECO 25/1-5
- Grundfos ALPHA 2.1 25-40/60
- Laing series Ecocirc
- Biral AX 13-1

- consisting of:
- a) isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
 - b) wall mounting device
 - c) flanged pipe
 - d) thermal insulation
 - e) three-way mixing valve with check valve and actuator

without pump **1357220***

with high-efficiency pump (EEI ≤ 0.2)

Grundfos ALPHA 2.1 25-60 **1357227***
 Wilo-Stratos PICO 25/1-6 **1357229***

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
 Max. operating temperature for high-efficiency pumps: 95 °C

With three-way mixing valve with check valve and actuator for flow temperature control in central heating systems with circulation pump.

Dimensions product assembly:
 Distance between pipe centres: 125 mm
 Length: 339 mm

Installation dimensions with thermal insulation (W x H x D):
 248 mm x 393 mm x 213 mm

Connection:
 To heating circuit:
 G 1½ male thread, flat sealing
 To boiler:
 G 1½ male thread, flat sealing

Model without pump:
 Components loosely connected, individual components leak tested.

Models with high-efficiency pumps:
 Components screwed tightly, product assembly leak tested.

Any standard pump (DN 25, length 180 mm, G 1½ male thread) can be installed.

Note: On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

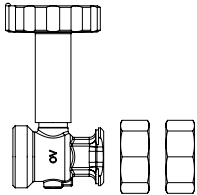


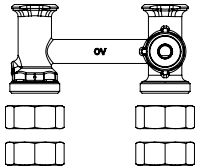
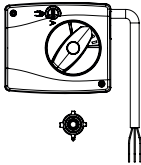
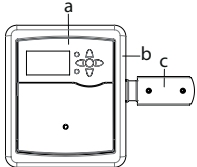
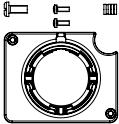
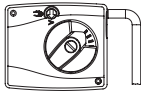

The actuator can be mounted without tools - "plug & play".



Tailpipe sets are available separately: page 6.67

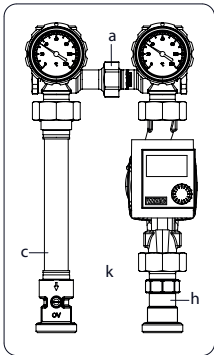
Heating circuit controller "Regtronic RH" for weather guided control of the flow temperature of the heating system: page 6.71

Heating circuit controller extension set including controller "Regtronic RH" and bracket for the direct connection to the station: page 6.19

NR24/230 actuators (without mounting plate) can be fitted to the "Regumat" stations DN 25 with the help of the mounting set: page 6.16

| Article | Packing unit | Article-No. | Hint |
|---|--------------|---|--|
| Accessories for "Regumat S/M3-180" DN 25 with reduced dimensions | | | |
|  | | Ball valve for isolation device "Regumat S/ M3" including handle, collar nuts and seals, without thermometer | |
| | | 1357090 | |
|  | | Thermometer for "Regumat" DN 25 / DN 32 | |
| | blue | 1357098 | |
| | red | 1357099 | |
|  | | Wall mounting device for "Regumat" including fixing set | |
| | | 1357097 | |
|  | | Three-way mixing valve without actuator including collar nuts and seals | |
| | | 1357092 | |
|  | | Actuator "Lineg" including mounting plate and adapter | |
| | | 1357093 | |
|  | | Heating circuit controller extension set for "Regumat 180" DN 25 with pump ball valve consisting of: 1357290 a) Heating circuit controller "Regtronic RH" b) Controller location made of expanded polypropylene c) Controller bracket made of metal including fixing material | Controller bracket for the variable direct connection of the heating circuit controller "Regtronic RH" on the left or right hand side of the station. Extension set only suitable for "Regumat" DN 25: 1357070/72/73, 1357270/72/73, 1357020/27/29 and 1357220/27/29 |
|  | | Mounting set for actuators NR 24/230 without mounting plate for connection to "Regumat M3-180" DN 25 with pump ball valve | |
| | | 1350290 | |
|  | | Actuators 24 V (0-10 V) 1350951 24 V (three point) 1350952 230 V (three point) 1350953 230 V (three point) 1361098 | For the operation of three- and four-way mixing valves. As replacement for "Regumat M3/M4". Operating time 140 sec., torque 5 Nm Operating time 140 sec., torque 5 Nm Operating time 140 sec., torque 5 Nm Operating time 35 sec., torque 5 Nm |
|  | | Set of seals for three-way mixing valve DN 25 (20) 1357094 | |

| Article | Packing unit | Article-No. | Hint |
|---|--|----------------|-----------------------|
|  | Regulating insert (spindle) for four-way mixing valve DN 25 including sleeves and O-rings | 1357095 | |
|  | Adapter (25) | 1357088 | For "Lineg" actuator. |



"Regumat S-180" DN 25 - constant temperature heating circuit
with universal thermal insulation of modular construction.
Suitable for the installation of the following high-efficiency pumps:

Grundfos ALPHA 2.1 25-40/60
Wilo-Stratos ECO 25/1-5
Wilo-Stratos PICO 25/1-4/6
Wilo-Yonos PARA
Laing series Ecocirc
Biral AX 13-1
as well as standard circulation pumps (asynchronous pumps)

consisting of:
a) isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
c) flanged pipe with check valve
h) distance piece
k) thermal insulation

without pump **1356020°**

with high-efficiency pump (EEI ≤ 0.2)

Grundfos ALPHA 2.1 25-60 **1356077°**
Wilo-Stratos PICO 25/1-6 **1356079°**

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
Max. operating temperature for high-efficiency pumps: 95 °C

Dimensions product assembly:
Distance between pipe centres: 125 mm
Length: 361 mm

Installation dimensions with thermal insulation (W x H x D):
248 mm x 414 mm x 200 mm

Connection:
To heating circuit:
G 1½ male thread, flat sealing
To boiler:
G 1½ male thread, flat sealing

Model without pump:
Components loosely connected, individual components leak tested.

Models with high-efficiency pumps:
Components screwed tightly, product assembly leak tested.

Any standard pump (DN 25, length 180 mm, G 1½ male thread) can be installed.

Note: On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

Tailpipe sets (page 6.67) and a wall mounting device (page 6.24) are available separately.

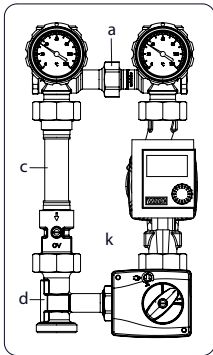
For further information see "Technical information":



Article

Article-No.

Hint



"Regumat M3-180" DN 25 - variable temperature heating circuit
with three-way mixing valve with bypass
with manual presetting and actuator

with universal thermal insulation of modular construction.
Suitable for the installation of the following
high-efficiency pumps:

Grundfos ALPHA 2.1 25-40/60
Wilo-Stratos ECO 25/1-5
Wilo-Stratos PICO 25/1-4/6
Wilo-Yonos PARA
Laing series Ecocirc
Biral AX 13-1

as well as standard circulation pumps
(asynchronous pumps)

consisting of:

- a) isolation device with 2 ball valves and 2 thermometers
(without pressure relief device)
- c) flanged pipe with check valve
- d) three-way mixing valve with actuator
- k) thermal insulation

without pump

1356220°

with high-efficiency pump (EEI ≤ 0.2)

Grundfos ALPHA 2.1 25-60
Wilo-Stratos PICO 25/1-6

1356277°

1356279°

without pump and actuator

1356223°

Oventrop actuators can subsequently be installed.

For the connection of the boiler to the
pipework.

Max. operating pressure: 10 bar (PN 10)
Max. operating temperature for high-
efficiency pumps: 95 °C

With three-way mixing valve with actuator for
flow temperature control in central heating
systems with circulation pump.

The three-way mixing valve is additionally
equipped with a bypass with manual
presetting.

Dimensions product assembly:
Distance between pipe centres: 125 mm
Length: 361 mm

Installation dimensions with thermal
insulation (W x H x D):
248 mm x 414 mm x 210 mm

Connection:

To heating circuit:
G 1½ male thread, flat sealing

To boiler:
G 1½ male thread, flat sealing

Model without pump:

Components loosely connected,
individual components leak tested.

Models with high-efficiency pumps:

Components screwed tightly,
product assembly leak tested.

Any standard pump (DN 25, length 180 mm,
G 1½ male thread) can be installed.

"Regumat M3-180" without pump: When
installing a high-efficiency pump "Grundfos
ALPHA 2.1" or "Wilo PICO" subsequently,
there may be a collision of pump plug and
actuator.

**Pump cable with right angle plug 1358150:
page 6.74**

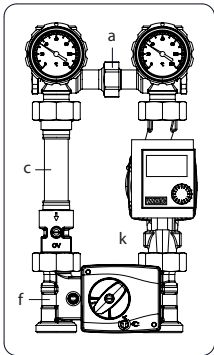
Note: On delivery, the supply pipe is on the
right hand side. If required, the supply and the
return pipe can be changed on site (see
installation instructions).

**Tailpipe sets (page 6.67) and a wall
mounting device (page 6.24) are available
separately.**

For further information see
"Technical information":



| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|



"Regumat M4-180" DN 25 - variable temperature heating circuit (four-way mixing valve)

with four-way mixing valve with bypass
 with manual presetting and actuator

with universal thermal insulation of modular construction.
 Suitable for the installation of the following high-efficiency pumps:

- Grundfos ALPHA 2.1 25-40/60
 - Wilo-Stratos ECO 25/1-5
 - Wilo-Stratos PICO 25/1-4/6
 - Wilo-Yonos PARA
 - Laing series Ecocirc
 - Biral AX 13-1
- as well as standard circulation pumps (asynchronous pumps)

consisting of:

- a) isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
- c) flanged pipe with check valve
- f) four-way mixing valve with actuator
- k) thermal insulation

without pump

1356420°

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
 Max. operating temperature for high-efficiency pumps: 95 °C

With four-way mixing valve with actuator for flow temperature control in central heating systems with circulation pump.

The four-way mixing valve is additionally equipped with a bypass with manual presetting.

Dimensions product assembly:
 Distance between pipe centres: 125 mm
 Length: 361 mm

Installation dimensions with thermal insulation (W x H x D):
 248 mm x 414 mm x 200 mm

Connection:
 To heating circuit:
 G 1½ male thread, flat sealing
 To boiler:
 G 1½ male thread, flat sealing

Components loosely connected.
 individual components leak tested.

Any standard pump (DN 25, length 180 mm, G 1½ male thread) can be installed.

When installing a high-efficiency pump "Grundfos ALPHA 2.1" or "Wilo PICO" subsequently, there may be a collision of pump plug and actuator.

Pump cable with right angle plug 1358150: page 6.74

Note: On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

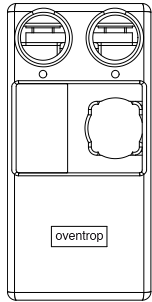
Tailpipe sets (page 6.67) and a wall mounting device (page 6.24) are available separately.

For further information see "Technical information":



| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|

Accessories for "Regumat S/M3/M4-180" DN 25

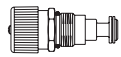


Universal thermal insulation:

| | | |
|--|----------------|--|
| for "Regumat-180" DN 25 without pump ball valve | 1356098 | |
|--|----------------|--|



| | | |
|---|----------------|--|
| Replacement thermometer for "Regumat-180" DN 25 with universal thermal insulation | 1351691 | |
|---|----------------|--|



| | | |
|--|--|---------------------|
| Insert for differential pressure relief device (bypass) for subsequent conversion for "Regumat S/M3/M4" | | Preset to 200 mbar. |
|--|--|---------------------|

| | | |
|-------------------------|----------------|--|
| DN 25-130 and DN 25-180 | 1353390 | |
|-------------------------|----------------|--|



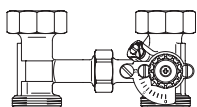
| | | |
|--|--|--|
| Wall mounting device for "Regumat" including fixing material | | |
|--|--|--|

| | | |
|-------------------------|----------------|--|
| DN 25-130 and DN 25-180 | 1352096 | |
|-------------------------|----------------|--|



"Regumat" Flanged pipe with check valve

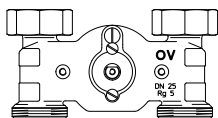
| | | |
|-----------|----------------|--|
| DN 25-180 | 1352276 | L = 262 mm. For "Regumat S-180" without pump ball valve (replacement). L = 180 mm. For the conversion of "Regumat S-180" without pump ball valve to "Regumat M3/M4-180". |
| DN 25-180 | 1352273 | |



Three-way mixing valve for "Regumat M3"

| | | |
|--|--|--|
| without actuator, with set of seals | | For flow temperature control. Manual setting, actuator can be mounted subsequently (only valid for DN 25). Distance between pipe centres: 125 mm Connection: G 1½ male thread x G 1½ collar nut |
|--|--|--|

| | |
|--|----------------|
| DN 25 <u>with</u> manually adjustable bypass | 1350281 |
| DN 25 <u>without</u> manually adjustable bypass | 1350271 |



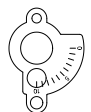
| | | |
|---|--|---|
| Bronze four-way mixing valve for "Regumat M4" without actuator and without manual operating device, with bypass with manual presetting, with set of seals | | Only as replacement for "Regumat" DN 32 with "Lineg" actuator manufactured since 2007. |
|---|--|---|

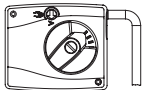








| | |
|-------|----------------|
| DN 25 | 1350954 |
|-------|----------------|



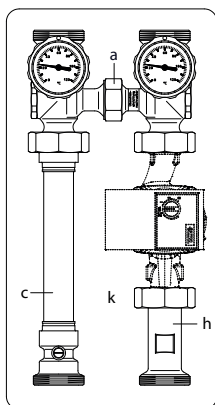
Setting group

| | |
|--|----------------|
| for manual setting of the three- and four-way mixing valves | 1651500 |
|--|----------------|



| Article | Packing unit | Article-No. | Hint |
|---|--------------|----------------|---|
| Actuators | | | |
|  | | | For the operation of three- and four-way mixing valves. As replacement for "Regumat M3/M4". |
| 24 V (0-10 V) | | 1350951 | Operating time 140 sec., torque 5 Nm |
| 24 V (three point) | | 1350952 | Operating time 140 sec., torque 5 Nm |
| 230 V (three point) | | 1350953 | Operating time 140 sec., torque 5 Nm |
| 230 V (three point) | | 1361098 | Operating time 35 sec., torque 5 Nm |
|  | | | |
| Set of seals for three-way mixing valve DN 25 | (20) | 1350289 | For "ESBE" and "Lineg" actuators. |
|  | | | |
| Set of seals for four-way mixing valve DN 25 | | 1350299 | For "ESBE" and "Lineg" actuators. |
|  | | | |
| Adapter | | 1350296 | For "Lineg" actuator. |
|  | | | |
| Adapter | | 1350297 | For "ESBE" actuator. |
|  | | | |
| Bypass plug M3 - DN 25 | (25) | 1350292 | For three-way mixing valves with manually adjustable bypass for closing the bypass channel. |
|  | | | |
| Regulating insert (spindle) for three-way mixing valve DN 25 with set of seals | | 1350285 | For "ESBE" and "Lineg" actuators (without adapter). |
|  | | | |
| Regulating insert (spindle) for four-way mixing valve DN 25 with set of seals | | 1350295 | For "ESBE" actuator (without adapter). |
|  | | | |
| Regulating insert (spindle) for four-way mixing valve DN 25 with set of seals | | 1350294 | For "Lineg" actuator (without adapter). |

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|



"Regumat S-180" DN 32 - constant temperature heating circuit
consisting of:

- a) isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
- c) flanged pipe with check valve
- h) distance piece
- k) thermal insulation

without pump

1355072°

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
Max. operating temperature for high-efficiency pumps: 85 °C

Dimensions product assembly:
Distance between pipe centres: 125 mm
Length: 419 mm

Installation dimensions with thermal insulation (W x H x D):
248 mm x 471 mm x 207 mm

Connection:
To heating circuit:
G 2 male thread, flat sealing
To boiler:
G 2 male thread, flat sealing

Components loosely connected, individual components leak tested.

Any standard pump (DN 32, length 180 mm, G 2 male thread) can be installed.

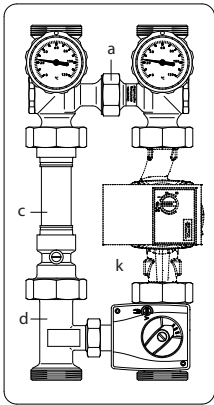
Note: On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

Tailpipe sets are available separately: page 6.68

For further information see "Technical information":



| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|



"Regumat M3-180" DN 32 - variable temperature heating circuit with three-way mixing valve and actuator

- consisting of:
- a) isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
 - c) flanged pipe with check valve
 - d) three-way mixing valve with actuator
 - k) thermal insulation

without pump

1355272°

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
 Max. operating temperature for high-efficiency pumps: 85 °C

With three-way mixing valve with actuator for flow temperature control in central heating systems with circulation pump.

Dimensions product assembly:
 Distance between pipe centres: 125 mm
 Length: 419 mm

Installation dimensions with thermal insulation (W x H x D):
 248 mm x 471 mm x 207 mm

Connection:
 To heating circuit:
 G 2 male thread, flat sealing
 To boiler:
 G 2 male thread, flat sealing

Components loosely connected, individual components leak tested.

Any standard pump (DN 32, length 180 mm, G 2 male thread) can be installed .

Note: On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

Tailpipe sets are available separately: page 6.68

For further information see "Technical information":

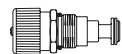


| Article | Packing unit | Article-No. | Hint |
|---------|--------------|-------------|------|
|---------|--------------|-------------|------|

Accessories for "Regumat S/M3/M4-180" DN 32



Replacement thermometer **1351690**
for "Regumat" DN 25-50 as well as for "Regucirc M" and "Optibal PK"



Insert for differential pressure relief device (bypass)
for subsequent conversion for "Regumat S/M3/M4"

Preset to 200 mbar.

DN 32-180 **1353391**



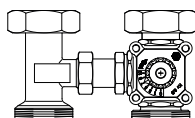
"Regumat" Flanged pipe with check valve

DN 32-180 **1352298**

L = 287 mm. For "Regumat S-180" DN 32 (replacement).

DN 32-180 **1352274**

L = 180 mm. For the conversion of "Regumat S-180" DN 32 to "Regumat M3/M4-180" DN 32.

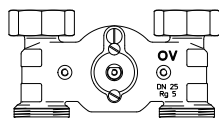


Three-way mixing valve for "Regumat M3"
without actuator, including set of seals

For flow temperature control. Manual setting, actuator can be mounted subsequently.

DN 32 **1350282**

Distance between pipe centres: 125 mm
Connection: G 2 male thread x G 2 collar nut



Bronze four-way mixing valve for "Regumat M4"
without actuator and without manual operating device, with bypass with manual presetting, with set of seals

Only as replacement for "Regumat" DN 32 with "Lineg" actuator manufactured since 2007.

DN 32 **1350955**



Actuators

For the operation of three- and four-way mixing valves. As replacement for "Regumat M3/M4".

24 V (0-10 V) **1350951**

Operating time 140 sec., torque 5 Nm

24 V (three point) **1350952**

Operating time 140 sec., torque 5 Nm

230 V (three point) **1350953**

Operating time 140 sec., torque 5 Nm

230 V (three point) **1361098**

Operating time 35 sec., torque 5 Nm



Adapter **1350296**

For "Lineg" actuator.



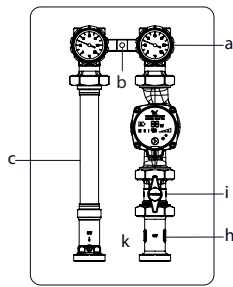
Adapter **1350297**

For "ESBE" actuator.



Regulating insert (spindle) for four-way mixing valve DN 32
with set of seals **(30) 1350293**

For "Lineg" actuator (without adapter).



"Regumat S-180" DN 32 with pump ball valve - constant temperature heating circuit
 with universal thermal insulation of modular construction and wall mounting device

consisting of:

- a) isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
- b) wall mounting device
- c) flanged pipe with check valve
- h) distance piece
- i) pump ball valve at the pump inlet
- k) thermal insulation

without pump

1355075

with high-efficiency pump (EEI ≤ 0.2)

Grundfos ALPHA 2.1 32-60
 Wilo-Stratos PICO 30/1-6

1355076
1355079

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
 Max. operating temperature for high-efficiency pumps: 95 °C

Dimensions product assembly:
 Distance between pipe centres: 125 mm
 Length: 445 mm

Installation dimensions with thermal insulation (W x H x D):
 350 mm x 530 mm x 221 mm

Connection:
 To heating circuit:
 G 2 male thread, flat sealing
 To boiler:
 G 2 male thread, flat sealing

Model without pump:
 Components loosely connected, individual components leak tested.

Models with high-efficiency pumps:
 Components screwed tightly, product assembly leak tested.

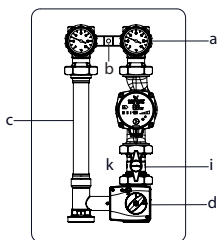
Any standard pump (DN 32, length 180 mm, G 2 male thread) can be installed.

Note: On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

Tailpipe sets are available separately: page 6.68

Heating circuit controller "Regtronic RH" for weather guided control of the flow temperature of the heating system: page 6.71

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|



"Regumat M3-180" DN 32 with pump ball valve - variable temperature heating circuit
 with three-way mixing valve and actuator

with universal thermal insulation of modular construction and wall mounting device

- consisting of:
- a) isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
 - b) wall mounting device
 - c) flanged pipe with check valve
 - d) three-way mixing valve with actuator
 - i) pump ball valve at the pump inlet
 - k) thermal insulation

without pump

1355275

with high-efficiency pump (EEI ≤ 0.2)

Grundfos ALPHA 2.1 32-60
 Wilo-Stratos PICO 30/1-6

1355276
1355279

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
 Max. operating temperature for high-efficiency pumps: 95 °C

With three-way mixing valve and actuator for flow temperature control in central heating systems with circulation pump.

Dimensions product assembly:
 Distance between pipe centres: 125 mm
 Length: 445 mm

Installation dimensions with thermal insulation (W x H x D):
 350 mm x 530 mm x 221 mm

Connection:
 To heating circuit:
 G 2 male thread, flat sealing
 To boiler:
 G 2 male thread, flat sealing

Model without pump:
 Components loosely connected, individual components leak tested.


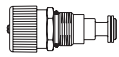
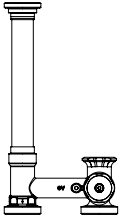
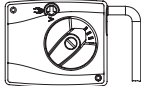


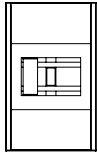
Models with high-efficiency pumps:
 Components screwed tightly, product assembly leak tested.

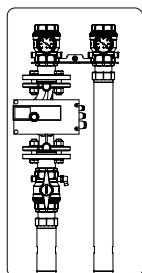
Any standard pump (DN 32, length 180 mm, G 2 male thread) can be installed.

Note: On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

Tailpipe sets are available separately: page 6.68

Heating circuit controller "Regtronic RH" for weather guided control of the flow temperature of the heating system: page 6.71

| Article | Article-No. | Hint |
|--|--|--------------------------------------|
| Accessories for "Regumat S/M3-180" DN 32 with pump ball valve | | |
|  | Thermometer | |
| for "Regumat" DN 25 / DN 32 | | |
| blue | 1357098 | |
| red | 1357099 | |
|  | Insert for differential pressure relief device (bypass) | |
| for subsequent conversion for "Regumat S/M3/M4" | | Preset to 200 mbar. |
| DN 32-180 | 1353391 | |
|  | Three-way mixing valve for "Regumat M3" | |
| without actuator, including pipe for the return, collar nut, set of seals and locking device | | |
| DN 32 | 1355299* | |
|  | Actuators | |
| For the operation of three- and four-way mixing valves. As replacement for "Regumat M3/M4". | | |
| 24 V (0-10 V) | 1350951 | Operating time 140 sec., torque 5 Nm |
| 24 V (three point) | 1350952 | Operating time 140 sec., torque 5 Nm |
| 230 V (three point) | 1350953 | Operating time 140 sec., torque 5 Nm |
| 230 V (three point) | 1361098 | Operating time 35 sec., torque 5 Nm |
|  | Adapter | 1350296 |
| For "Lineg" actuator. | | |
|  | High-efficiency pumps 180 mm with connection thread G 2 | |
| DN 32 | | |
| KSB Calio 30-120 | 180 | 1358165 |
| For subsequent installation into the "Regumat S/M3-180" DN 32 with pump ball valve. | | |
| Other circulation pumps on request. | | |
|  | Load relay | |
| For the connection of high-performance pumps (> 1A). | | |
| 2-phase cabled with the casing | 1152089 | |



6.b "Regumat 220/280" DN 40/50

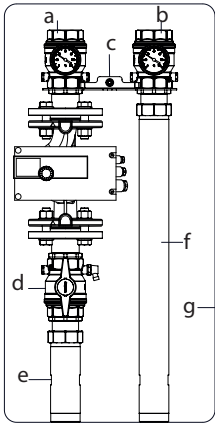
Content

| | |
|---|------|
| "Regumat S-220" DN 40 - constant temperature heating circuit | 6.34 |
| "Regumat M3-220" DN 40 - variable temperature heating circuit | 6.35 |
| Accessories for "Regumat S/M3-220" DN 40 | 6.35 |
| "Regumat S-280" DN 50 - constant temperature heating circuit | 6.36 |
| "Regumat M3-280" DN 50 - variable temperature heating circuit | 6.37 |
| Accessories for "Regumat S/M3-280" DN 50 | 6.37 |

Article

Article-No.

Hint



"Regumat S-220" DN 40 - constant temperature heating circuit
with universal thermal insulation of modular construction

consisting of:

- a) isolating ball valve for the supply pipe with thermometer and draining/flushing valve
- b) isolating ball valve for the return pipe with integrated check valve, thermometer and draining/flushing valve
- c) bracket
- d) pump ball valve with draining/flushing valve
- e) distance piece
- f) return pipe
- g) thermal insulation

without pump

1358240

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
Max. operating temperature for high-efficiency pumps: 95 °C

Dimensions product assembly:
Distance between pipe centres: 125 mm
Length: 797 mm

Installation dimensions with thermal insulation (W x H x D):
428 mm x 850 mm x 340 mm
(depending on installed pump)

Connection:

To heating circuit:

G 2 female thread

To boiler:

G 2 male thread, flat sealing

Pump: flanged connection DN 40

Model without pump:

Components loosely connected,
individual components leak tested.

Models with high-efficiency pumps:

Components screwed tightly,
product assembly leak tested.

Any standard pump (DN 40, length 220 mm, flanged connection PN 10) can be installed.

Note: On delivery, the supply pipe is on the left hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

Tailpipe sets (page 6.68) and a wall mounting device (page 6.35) are available separately.

For further information see

"Technical information":



with high-efficiency pump (EEI ≤ 0.2)

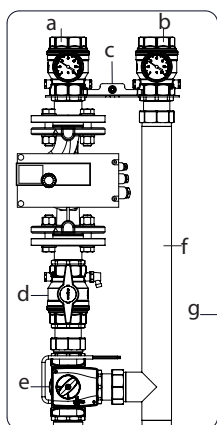
Wilo-Stratos 40/1-8

1358251

Grundfos MAGNA3 40-100F

1358252

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|



"Regumat M3-220" DN 40 - variable temperature heating circuit with three-way mixing valve and actuator

with universal thermal insulation of modular construction

consisting of:

- a) isolating ball valve for the supply pipe with thermometer and draining/flushing valve
- b) isolating ball valve for the return pipe with integrated check valve, thermometer and draining/flushing valve
- c) bracket
- d) pump ball valve with draining/flushing valve
- e) three-way mixing valve with actuator (suitable for the standard boiler regulations)
- f) return pipe
- g) thermal insulation

without pump **1358340**

with high-efficiency pump (EEI ≤ 0.2)

Wilo-Stratos 40/1-8 **1358351**
 Grundfos MAGNA3 40-100F **1358352**

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
 Max. operating temperature for high-efficiency pumps: 95 °C

With three-way mixing valve and actuator for flow temperature control in central heating systems with circulation pump.

Dimensions product assembly:
 Distance between pipe centres: 125 mm
 Length: 797 mm

Installation dimensions with thermal insulation (W x H x D):
 428 mm x 850 mm x 340 mm
 (depending on installed pump)

Connection:
 To heating circuit:
 G 2 female thread
 To boiler:
 G 2 male thread, flat sealing
 Pump: flanged connection DN 40

Model without pump:
 Components loosely connected, individual components leak tested.

Models with high-efficiency pumps:
 Components screwed tightly, product assembly leak tested.

Any standard pump (DN 40, length 220 mm, flanged connection PN 10) can be installed.

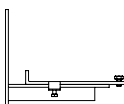
Note: On delivery, the supply pipe is on the left hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

Tailpipe sets (page 6.68) and a wall mounting device (page 6.35) are available separately.

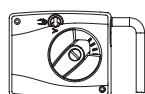
Accessories for "Regumat S/M3-220" DN 40



Replacement thermometer **1351690**
 for "Regumat" DN 25-50 as well as for "Regucirc M" and "Optibal PK"



Wall mounting device for "Regumat"
 including fixing material
 DN 40/50 **1352098**



Actuators
 230 V for Regumat DN 40/50 **1350956**
 24 V (0-10 V) for Regumat DN 40/50 **1350958**

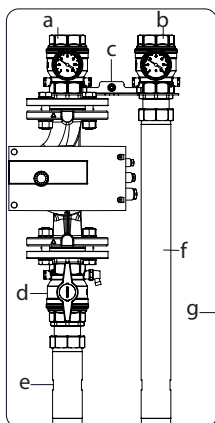
For further information see "Technical information":



For the operation of three- and four-way mixing valves. As replacement for "Regumat M3/M4".

Operating time 140 sec., torque 15 Nm
 Operating time 140 sec., torque 10 Nm

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|



"Regumat S-280" DN 50 - constant temperature heating circuit
with universal thermal insulation of modular construction

- consisting of:
- a) isolating ball valve for the supply pipe with thermometer and draining/flushing valve
 - b) isolating ball valve for the return pipe with integrated check valve, thermometer and draining/flushing valve
 - c) bracket
 - d) pump ball valve with draining/flushing valve
 - e) distance piece
 - f) return pipe
 - g) thermal insulation

without pump **1358540**

with high-efficiency pump (EEI ≤ 0.2)

| | |
|-------------------------|----------------|
| Wilo-Stratos 50/1-12 | 1358551 |
| Grundfos MAGNA3 50-120F | 1358552 |

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
Max. operating temperature for high-efficiency pumps: 95 °C

Dimensions product assembly:
Distance between pipe centres: 125 mm
Length: 797 mm

Installation dimensions with thermal insulation (W x H x D):
428 mm x 850 mm x 340 mm
(depending on installed pump)

Connection:
To heating circuit:
G 2 female thread
To boiler:
G 2 male thread, flat sealing
Pump: flanged connection DN 50

Model without pump:
Components loosely connected,
individual components leak tested.

Models with high-efficiency pumps:
Components screwed tightly,
product assembly leak tested.

Any standard pump (DN 50, length 280 mm, flanged connection PN 10) can be installed.

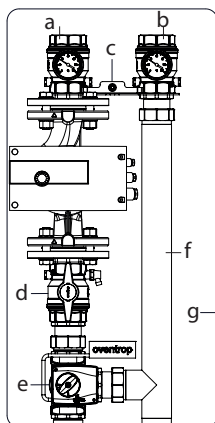
Note: On delivery, the supply pipe is on the left hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

Tailpipe sets (page 6.68) and a wall mounting device (page 6.37) are available separately.

For further information see "Technical information":



| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|



"Regumat M3-280" DN 50 - variable temperature heating circuit with three-way mixing valve and actuator

with universal thermal insulation of modular construction

consisting of:

- a) isolating ball valve for the supply pipe with thermometer and draining/flushing valve
- b) isolating ball valve for the return pipe with integrated check valve, thermometer and draining/flushing valve
- c) bracket
- d) pump ball valve with draining/flushing valve
- e) three-way mixing valve with actuator (suitable for the standard boiler regulations)
- f) return pipe
- g) thermal insulation

without pump **1358640**

with high-efficiency pump (EEI ≤ 0.2)

Wilo-Stratos 50/1-12 **1358651**
 Grundfos MAGNA3 50-120F **1358652**

For the connection of the boiler to the pipework.

Max. operating pressure: 10 bar (PN 10)
 Max. operating temperature for high-efficiency pumps: 95 °C

With three-way mixing valve and actuator for flow temperature control in central heating systems with circulation pump.

Dimensions product assembly:
 Distance between pipe centres: 125 mm
 Length: 797 mm

Installation dimensions with thermal insulation (W x H x D):
 428 mm x 850 mm x 340 mm
 (depending on installed pump)

Connection:
 To heating circuit:
 G 2 female thread
 To boiler:
 G 2 male thread, flat sealing
 Pump: flanged connection DN 50

Model without pump:
 Components loosely connected, individual components leak tested.

Models with high-efficiency pumps:
 Components screwed tightly, product assembly leak tested.

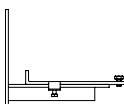
Any standard pump (DN 50, length 280 mm, flanged connection PN 10) can be installed.

Note: On delivery, the supply pipe is on the left hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

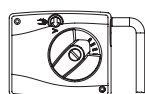
Accessories for "Regumat S/M3-280" DN 50



Replacement thermometer 1351690
 for "Regumat" DN 25-50 as well as for "Regucirc M" and "Optibal PK"



Wall mounting device for "Regumat" 1352098
 including fixing material
 DN 40/50



Actuators
 230 V for Regumat DN 40/50 **1350956**
 24 V (0-10 V) for Regumat DN 40/50 **1350958**

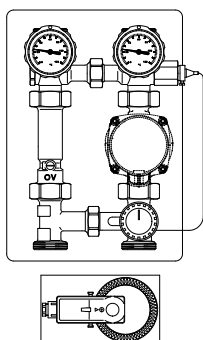
Tailpipe sets (page 6.68) and a wall mounting device (page 6.37) are available separately.

For further information see "Technical information":



For the operation of three- and four-way mixing valves. As replacement for "Regumat M3/M4".

Operating time 140 sec., torque 15 Nm
 Operating time 140 sec., torque 10 Nm



6.c "Regumat F/FR" Stations for thermally controlled surface heating systems

Content

| | |
|---|------|
| "Regumat F-130" DN 25 | 6.40 |
| "Regumat F-180" DN 25 with pump ball valve | 6.41 |
| "Regumat F-180" DN 25 | 6.42 |
| "Regumat FR-180" DN 25 | 6.42 |
| Accessories for "Regumat F-130/F-180/FR-180" DN 25 | 6.43 |
| "Regumat" Heat exchangers | 6.44 |
| "Regumat" Heat exchangers - Examples of the application | 6.45 |
| Accessories for "Regumat" heat exchangers | 6.44 |

"Regumat F-130" and "Regumat F-180" for thermally controlled surface heating systems

"Regumat FR-180" with high-efficiency pump made of bronze or stainless steel for thermally controlled open vented surface heating systems

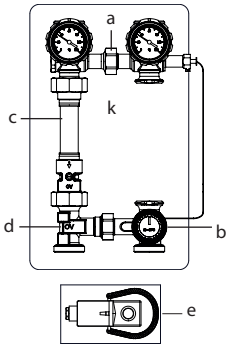
In general, the unit is used in combination with the heat exchanger "Regumat".

All models with or without high-efficiency pump, isolation device with ball valves, thermometers and connection for immersion sensor, temperature controller with immersion sensor, flanged pipe with check valve, three-way mixing valve, electronic temperature controller and thermal insulation. The model "Regumat F-180" is additionally equipped with a pump ball valve at the pump inlet.

| "Regumat F" DN 25 | | | |
|--|--|--|--|
| | Model with cast iron pump | | Model with stainless steel/bronze pump |
| | "Regumat F-130" | "Regumat F-180" | "Regumat FR-180" |
| Catalogue page | 6.41 | | 6.42 |
| With pump ball valve at the pump inlet | | X | |
| Fixed value control unit for sealed systems | X | | |
| Fixed value control unit for open vented systems | | | X |
| Installation dimension with thermal insulation | H = 364 mm W = 248 mm D = 197 mm | H = 512 mm W = 248 mm D = 200 mm | H = 414 mm W = 248 mm D = 200 mm |

| Article | Article-No. | Hint | |
|--|---|----------------|---|
|  <p>"Regumat F-130" DN 25 Fixed value control unit to maintain the flow temperature of underfloor and wall heating systems</p> <p>consisting of:</p> <ul style="list-style-type: none"> a) isolation device with 2 ball valves and 2 thermometers (without pressure relief device) and connection for immersion sensor b) temperature controller with immersion sensor c) flanged pipe with check valve d) three-way mixing valve e) electronic pipe contact safety switch f) high-efficiency pump (cast iron) k) thermal insulation | without pump | 1354171 | <p>Fixed value control unit "Regumat F-130" 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 immersion sensor. Control range: 20 - 50 °C</p> <p>Max. operating pressure: 10 bar (PN 10) Max. operating temperature for high-efficiency pumps: 85 °C</p> <p>Distance between pipe centres: 125 mm</p> <p>Connection: To heating circuit: G 1½ male thread, flat sealing To boiler: G 1½ male thread, flat sealing</p> <p>Tailpipe sets (page 6.67) and a wall mounting device (page 6.43) are available separately.</p> |
| | <p>with high-efficiency pump (EEI ≤ 0.2)</p> <p>Grundfos ALPHA 2.1 25-60</p> | 1354165 | |
|  <p>"Regumat F-180" DN 25 with pump ball valve Fixed value control unit to maintain the flow temperature of underfloor and wall heating systems with universal thermal insulation of modular construction</p> <p>consisting of:</p> <ul style="list-style-type: none"> a) isolation device with 2 ball valves and 2 thermometers (without pressure relief device) and connection for immersion sensor b) temperature controller with immersion sensor c) flanged pipe with check valve d) three-way mixing valve e) electronic pipe contact safety switch f) high-efficiency pump (cast iron) i) pump ball valve k) thermal insulation | without pump | 1354270 | <p>As "Regumat F-130" but with pump length 180 mm and additional pump ball valve at the pump inlet.</p> <p>Max. operating temperature for high-efficiency pumps: 95 °C</p> <p>For further information see "Technical information":</p>  |
| | <p>with high-efficiency pump (EEI ≤ 0.2)</p> <p>Grundfos ALPHA 2.1 25-60</p> | 1354274 | |
| | <p>Wilo-Stratos PICO 25/1-6</p> | 1354276 | |
| | without pump and thermostatic temperature controller | 1354272 | |
| Further temperature controllers with different control ranges: page 3.81 | | | |

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|



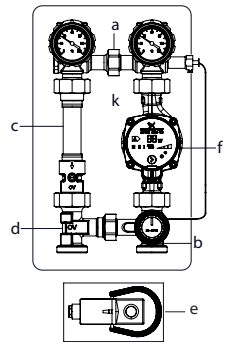
"Regumat F-180" DN 25
 Fixed value control unit to maintain the flow temperature of underfloor and wall heatings with universal thermal insulation of modular construction

As "Regumat F-180", item no. 1354270, but without pump ball valve.

Max. operating temperature for high-efficiency pumps: 95 °C

- consisting of:
- a) isolation device with 2 ball valves and 2 thermometers (without pressure relief device) and connection for immersion sensor
 - b) temperature controller with immersion sensor
 - c) flanged pipe with check valve
 - d) three-way mixing valve
 - e) electronic pipe contact safety switch
 - k) thermal insulation

without pump and pump ball valve **1354070***



"Regumat FR-180" DN 25
 Fixed value control unit to maintain the flow temperature of open vented underfloor and wall heating systems with universal thermal insulation of modular construction

As "Regumat F-180", item no. 1354270, but without pump ball valve. With stainless steel/bronze pump instead of cast iron pump.

Max. operating temperature for high-efficiency pumps: 95 °C

- consisting of:
- a) isolation device with 2 ball valves and 2 thermometers (without pressure relief device) and connection for immersion sensor
 - b) temperature controller with immersion sensor
 - c) flanged pipe with check valve
 - d) three-way mixing valve
 - e) electronic pipe contact safety switch
 - f) high-efficiency pump (stainless steel/bronze)
 - k) thermal insulation

Tailpipes sets (page 6.67) and a wall mounting device (page 6.43) are available separately.

with high-efficiency pump (EEI ≤ 0.2)

| | |
|-----------------------------|----------------|
| Grundfos ALPHA 2.1 25-60N | 1354087 |
| Wilo-Stratos PICO 25/1-6 RG | 1354097 |

High-efficiency pumps 180 mm with connection thread G 1½ DN 25

For replacement purposes or for upgrading the "Regumat 180" stations without pump, for open vented systems.

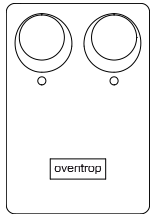


| | |
|---------------------------------|----------------|
| Grundfos ALPHA 2.1 180 25-60N | 1357159 |
| Wilo-Stratos PICO 180 25/1-6 RG | 1357160 |

with stainless steel body
 with bronze body

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|

Accessories for "Regumat F-130/F-180/FR-180" DN 25

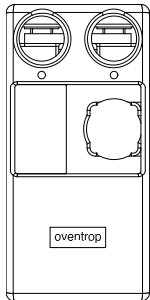


Thermal insulation
with one-piece front insulation shell:

for "Regumat-130" DN 25

1355090

Not suitable for "Regumat 130" DN 25 with Grundfos ALPHA 2.



Universal thermal insulation:

for "Regumat-180" DN 25

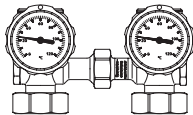
1356097

with pump ball valve

for "Regumat-180" DN 25

1356098

without pump ball valve



Isolation device DN 25 for "Regumat"
with 2 ball valves and 2 thermometers,
2 collar nuts and set of seals

DN 25

1353181



Replacement thermometer

1351690

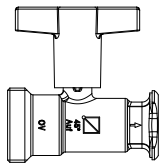
for "Regumat" DN 25-50 as well as for
"Regucirc M" and "Optibal PK"



Replacement thermometer

1351691

for "Regumat-180" DN 25 with universal thermal insulation



Pump ball valve

with integrated check valve
including collar nuts and seals

DN 25

1353771

For the connection of the boiler to the pipework.

PN 10

For the supply pipe: red handle
Installation at the pump inlet.



Wall mounting device for "Regumat"

including fixing material

DN 25-130 and DN 25-180

1352096



"Regumat" Flanged pipe with check valve

DN 25-180

1352273

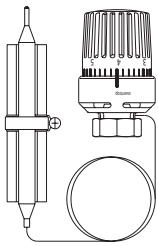
L = 180 mm. For the conversion of
"Regumat S-180" without pump ball valve
to "Regumat M3/M4-180".

DN 25-180

1352272

L = 279 mm. For the conversion of
"Regumat S-180" with pump ball valve
to "Regumat M3/M4-180".

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|

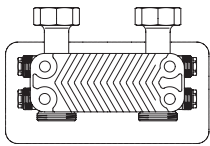


Temperature controller with contact sensor and heat transfer unit

| Control range | Capillary length | |
|---------------|------------------|----------------|
| 20 - 50 °C | 2 m | 1142861 |
| 30 - 60 °C | 2 m | 1142862 |
| 40 - 70 °C | 2 m | 1142863 |
| 50 - 80 °C | 2 m | 1142864 |

"Regumat" Heat exchangers

High-capacity plate heat exchangers



with connection fitting

| | |
|-----------------------|----------------|
| 14 plates up to 14 kW | 1351596 |
| 30 plates up to 28 kW | 1351696 |

The performance dates are determined by the fixed default values in the primary circuit (70/50 °C) and secondary circuit (40/50 °C).

Modular complement to the boiler connection systems "Regumat-130/180" DN 25 with a distance of 125 mm between pipe centres. System separation with plate heat exchanger for the separation of different product groups and individual components for:

- surface and underfloor heating/cooling
- storage cylinder loading
- fresh water loading

Connection distance: 125 mm
 One port 2 x pump flange with collar nut G 1½, one port 2 x G 1½ male thread with additional lateral connection devices, including insulation.

Tailpipe sets are available separately: page 6.67



without connection fitting for higher performance ranges

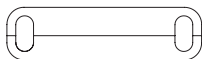
| | |
|-----------------------------|----------------|
| 20 plates up to about 40 kW | 1351790 |
| 30 plates up to about 55 kW | 1351791 |
| 40 plates up to about 70 kW | 1351792 |
| 50 plates up to about 85 kW | 1351793 |

The performance dates are determined by the fixed default values in the primary circuit (80/60 °C) and secondary circuit (50/70 °C).

Connection distance: 466 mm x 50 mm
 4 x G 1 flat sealing

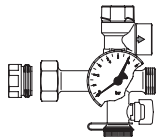
As replacement for "Regusol X-15".
 As replacement for "Regusol X-25" and "Regumaq".

Accessories for "Regumat" heat exchangers



Thermal insulation made of expanded polystyrene

| | |
|--------------------------------|----------------|
| for heat exchangers 1351790/91 | 1359591 |
| for heat exchangers 1351792/93 | 1359592 |



Safety group with diaphragm safety valve 3 bar, pressure gauge, fill and drain cock and connection facility for an expansion tank

1351598

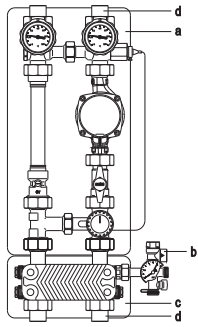
For the protection of pressurized systems. For the connection to the heat exchanger "Regumat".



Set of connection fittings

| | |
|--|----------------|
| G 1½ female thread x pump flange for G 1½ with collar nuts and seals | 1351597 |
|--|----------------|

For the connection of the heat exchanger "Regumat" to a pump group "Regumat" on the boiler side.

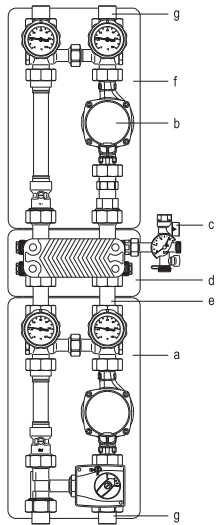


Example 1:

- a "Regumat FR-180" DN 25 with Grundfos pump ALPHA 2.1 25-60 N **1354087**
with Wilo pump Stratos PICO 25/1-6 RG **1354097**
- b Heat exchanger "Regumat" with 14 plates up to 14 kW **1351596**
- c Safety group **1351598**
- d Tailpipe set **13504..**

For the extension of existing heating circuits by a heat exchanger and a fixed value control unit in open vented surface heating systems.

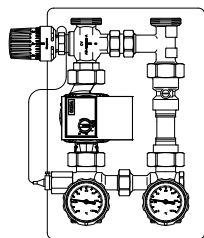
Installation dimensions:
H = 640 mm, W = 250 mm



Example 2:

- a "Regumat S-180" DN 25 without pump **1356020**
- b Heat exchanger "Regumat" with 30 plates up to 28 kW **1351696**
- c Safety group **1351598**
- d Tailpipe set **13504..**
- e High-efficiency pump with stainless steel/bronze body 180 mm
Grundfos ALPHA 2.1 25-60 N **1357159**
Wilo-Stratos PICO 25/1-6 RG **1357160**
- f "Regumat M3-180" DN 25 with Grundfos pump ALPHA 2.1 25-60 **1356277**
with Wilo pump Stratos PICO 25/1-6 **1356279**
- g Set of connection fittings **1351597**

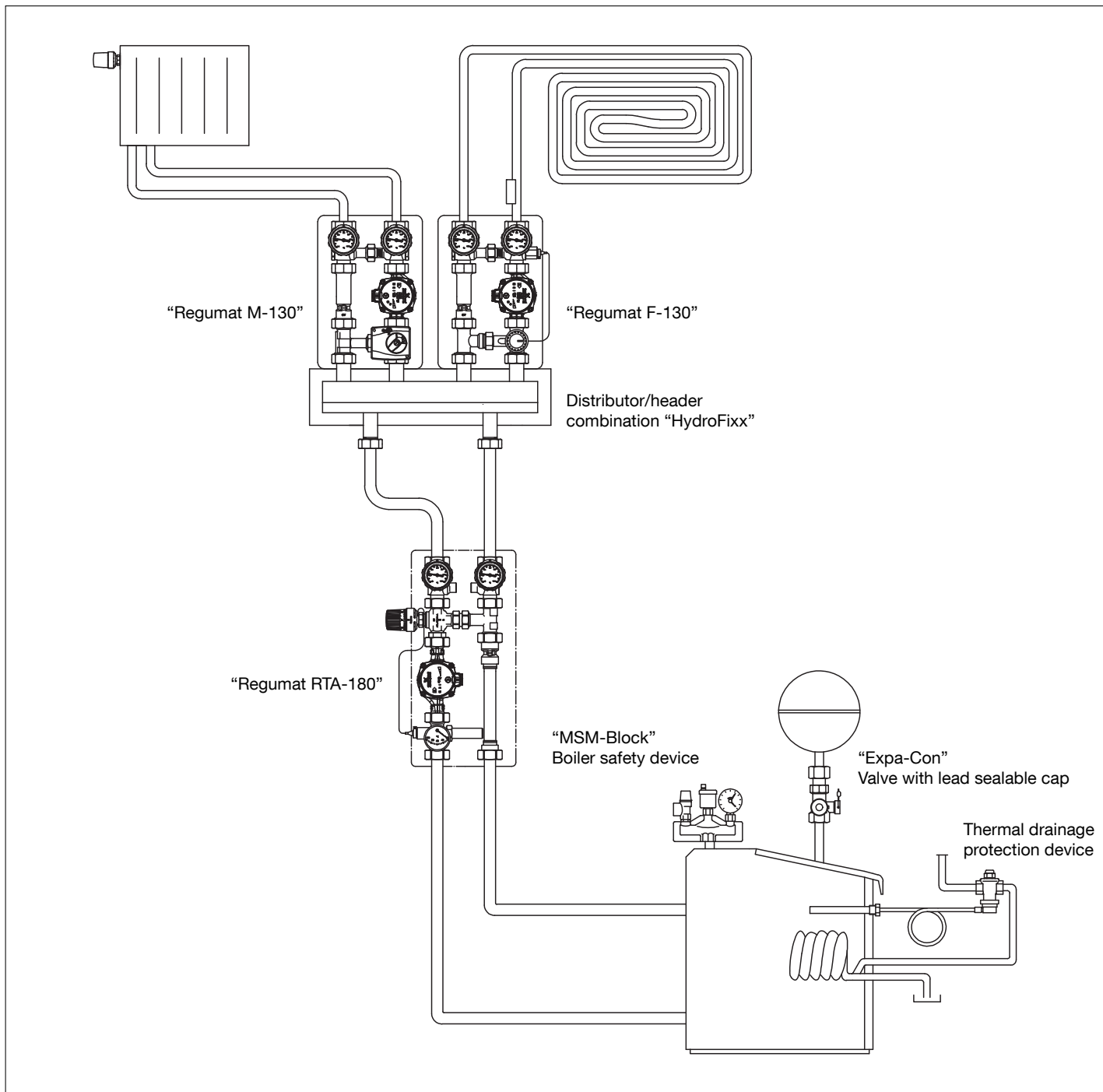
Please observe:
When changing the supply, change both pumps.
Delivered with supply on the right hand side.
Installation dimensions:
H = 960 mm, W = 250 mm



6.d "Regumat RTA" Stations for solid fuel boilers for return temperature increase

Content

| | |
|--|------|
| Summary | 6.49 |
| "Regumat RTA-130 VR" DN 25 - supply on the right hand side | 6.50 |
| "Regumat RTA-130 VL" DN 25 - supply on the left hand side | 6.50 |
| "Regumat RTA-130 TOP" DN 25 - connection from the top | 6.50 |
| "Regumat RTA-180" DN 25 | 6.51 |
| Accessories for "Regumat RTA-130/180" DN 25 | 6.51 |
| "Regumat RTA-180" DN 32 | 6.52 |
| Accessories for "Regumat RTA-180" DN 32 | 6.52 |
| Thermal drainage protection device | 6.52 |



System Illustration: Connection of "Regumat RTA" to a solid fuel installation (e.g. pellets) and two heating circuits

Solid fuel boiler connection systems "Regumat RTA"

Choice of the "Regumat RTA" systems

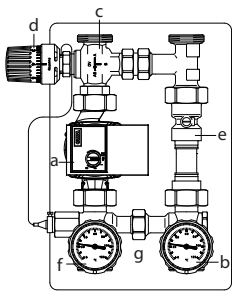
Product assembly DN 25/DN 32 for pump lengths 130/180 mm

All models with or without high-efficiency pump, ball valve with thermometer, ball valve with thermometer and connection for immersion sensor ("Regumat RTA-180" DN 25 with housing for immersion sensor with thermometer), three-way mixing valve, temperature controller with immersion sensor, flanged pipe with check valve and thermal insulation.

| Models for solid fuel boilers "Regumat RTA" | | | | | |
|--|--|----------------------|-----------------------|---|--|
| | "Regumat RTA-130" | "Regumat RTA-130 VL" | "Regumat RTA-130 Top" | "Regumat RTA-180" | |
| Catalogue Page | 6.50 | 6.50 | 6.50 | 6.51 | 6.51 |
| Size | DN 25 | DN 25 | DN 25 | DN 25 | DN 32 |
| Boiler connection from below | X | X | | X | X |
| Boiler connection from the top | | | X | | |
| Supply on right hand side | X | | X | X | X |
| Supply on left hand side | | X | | | |
| Pump length | L = 130 mm | L = 130 mm | L = 130 mm | L = 180 mm | L = 180 mm |
| Installation dimension with thermal insulation | H = 364 mm W = 248 mm D = 197 mm | | | Standard thermal insulation H = 513 mm W = 248 mm D = 211 mm Universal thermal insulation H = 414 mm W = 248 mm D = 200 mm | H = 471 mm W = 248 mm D = 207 mm |

Tailpipe sets are available separately.

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|



"Regumat RTA-130 VR" DN 25 - supply on the right hand side
 with integrated three-way mixing valve
 with temperature controller for return temperature increase
 Supply on the right hand side

- consisting of:
- a) high-efficiency pump
 - b) ball valve with thermometer
 - c) three-way mixing valve
 - d) temperature controller with immersion sensor control range 40-70 °C
 - e) flanged pipe with check valve
 - f) ball valve with thermometer and connection for immersion sensor
 - g) thermal insulation

with high-efficiency pump (EEI ≤ 0.2) 1354795
 Wilo-Yonos PARA RS 25/6 RKC

For the connection of the solid fuel boiler to the pipework.
 Pump length: 130 mm

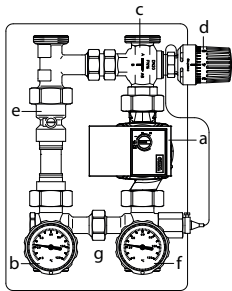
Max. operating pressure: 10 bar (PN 10)
 Max. operating temperature for high-efficiency pumps: 85 °C

Dimensions product assembly:
 Distance between pipe centres: 125 mm
 Length: 364 mm

Installation dimensions with thermal insulation (W x H x D):
 310 mm x 364 mm x 197 mm

Connection:
 To heating circuit:
 G 1½ male thread, flat sealing
 To boiler:
 G 1½ male thread, flat sealing

6



"Regumat RTA-130 VL" DN 25 - supply on the left hand side
 as "Regumat RTA-130 VR" but supply on the left hand side

- consisting of:
- a) high-efficiency pump
 - b) ball valve with thermometer
 - c) three-way mixing valve
 - d) temperature controller with immersion sensor control range 40-70 °C
 - e) flanged pipe with check valve
 - f) ball valve with thermometer and connection for immersion sensor
 - g) thermal insulation

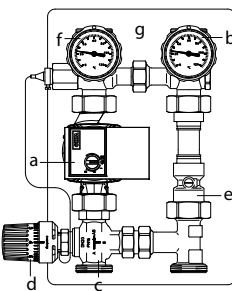
with high-efficiency pump (EEI ≤ 0.2) 1354798
 Wilo-Yonos PARA RS 25/6 RKC

For return temperature control of solid fuel and pellet boilers.

The return temperature is increased to the set value with the help of a three-way mixing valve in combination with a temperature controller (control range 40 °C-70 °C) with immersion sensor.

Tailpipe sets (page 6.67) and a wall mounting device (page 6.51) are available separately.

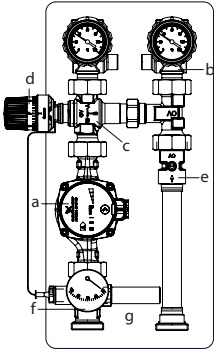
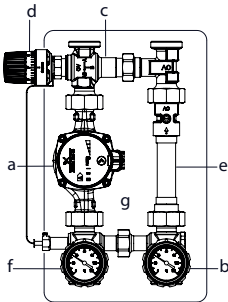




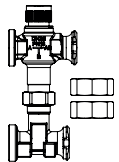
For further information see "Technical information":



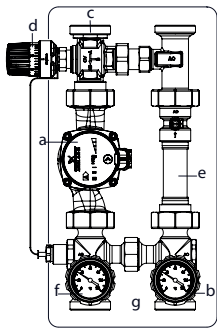
"Regumat RTA-130 TOP" DN 25 - connection from the top
 as "Regumat RTA-130 VR" but boiler is connected from the top

- consisting of:
- a) high-efficiency pump
 - b) ball valve with thermometer
 - c) three-way mixing valve
 - d) temperature controller with immersion sensor control range 40-70 °C
 - e) flanged pipe with check valve
 - f) ball valve with thermometer and connection for immersion sensor
 - g) thermal insulation

with high-efficiency pump (EEI ≤ 0.2) 1354783
 Wilo-Yonos PARA RS 25/6 RKC

| Article | Article-No. | Hint |
|---|--|---|
|  <p>"Regumat RTA-180" DN 25 with integrated three-way mixing valve with temperature controller for return temperature increase</p> <p>consisting of:</p> <ul style="list-style-type: none"> a) high-efficiency pump b) ball valve with thermometer c) three-way mixing valve d) temperature controller with immersion sensor control range 40-70 °C e) flanged pipe with check valve f) housing for immersion sensor with thermometer g) thermal insulation | | <p>For the connection of the solid fuel boiler to the pipework. Pump length: 180 mm</p> <p>Max. operating pressure: 10 bar (PN 10) Max. operating temperature for high-efficiency pumps with standard thermal insulation: 85 °C Max. operating temperature for high-efficiency pumps with universal thermal insulation of modular construction: 95 °C</p> <p>Dimensions product assembly: Distance between pipe centres: 125 mm Length: 460 mm (with standard insulation) 371 mm (with universal insulation)</p> |
| | without pump | 1354692 |
| | with high-efficiency pump (EEI ≤ 0.2) | |
| | Grundfos ALPHA 2.1 25-60 | 1354693 |
|  <p>"Regumat RTA-180" DN 25 with integrated three-way mixing valve with temperature controller for return temperature increase with universal thermal insulation of modular construction</p> <p>consisting of:</p> <ul style="list-style-type: none"> a) high-efficiency pump b) ball valve with thermometer c) three-way mixing valve d) temperature controller with immersion sensor control range 40-70 °C e) flanged pipe with check valve f) ball valve with thermometer and connection for immersion sensor g) thermal insulation | | <p>Connection: To heating circuit: G 1½ male thread, flat sealing To boiler: G 1½ male thread, flat sealing</p> <p>For return temperature control of solid fuel and pellet boilers. The return temperature is increased to the set value with the help of a three-way mixing valve in combination with a temperature controller (control range 40 °C-70 °C) with immersion sensor.</p> <p>Tailpipe sets (page 6.67) and a wall mounting device (page 6.51) are available separately.</p> <p>For further information see "Technical information":</p>  |
| | without pump | 1354580 |
| | with high-efficiency pump (EEI ≤ 0.2) | |
| | Grundfos ALPHA 2.1 25-60 | 1354586 |
| | Wilo-Yonos PARA RS 25/6 RKC | 1354587 |
| | Accessories for "Regumat RTA-130/180" DN 25 | |
|  <p>Replacement thermometer 1351690 for "Regumat" DN 25-50 as well as for "Regucirc M" and "Optibal PK"</p> | | |
|  <p>Replacement thermometer 1351691 for "Regumat-180" DN 25 with universal thermal insulation</p> | | |
|  <p>Wall mounting device for "Regumat" including fixing material</p> | | |
| | DN 25-130 and DN 25-180 | 1352096 |
|  <p>Mixing valve group as replacement for "Regumat RTA-130/180" DN 25</p> | | 1350260 |

| Article | Article-No. | Hint |
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|---------|-------------|------|



"Regumat RTA-180" DN 32
 with integrated three-way mixing valve
 with temperature controller for
 return temperature increase

consisting of:
 a) high-efficiency pump
 b) ball valve with thermometer
 c) three-way mixing valve
 d) temperature controller with immersion sensor
 control range 40-70 °C
 e) flanged pipe with check valve
 f) ball valve with thermometer and connection for immersion sensor
 g) thermal insulation

with high-efficiency pump (EEI ≤ 0.2)

| | |
|-----------------------------|-----------------|
| Grundfos ALPHA 2.1 32-60 | 1354570° |
| Wilo-Yonos PARA RS 30/6 RKC | 1354571 |

Further temperature controller with different control ranges:
 page 3.81

Accessories for "Regumat RTA-180" DN 32



Replacement thermometer **1351690**
 for "Regumat" DN 25-50 as well as for
 "Regucirc M" and "Optibal PK"

For the connection of the solid fuel boiler to the
 pipework.
 Pump length: 180 mm

Max. operating pressure: 10 bar (PN 10)
 Max. operating temperature for high-
 efficiency pumps: 85 °C

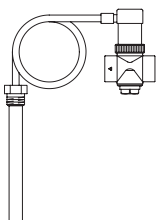
Dimensions product assembly:
 Distance between pipe centres: 125 mm
 Length: 419 mm

Connection:
 To heating circuit:
 G 2 male thread, flat sealing
 To boiler:
 G 2 male thread, flat sealing

For return temperature control of solid fuel and
 pellet boilers.

The return temperature is increased to the set
 value with the help of a three-way mixing valve
 in combination with a temperature controller
 (control range 40 °C-70 °C) with immersion
 sensor.

For further information see
 "Technical information":



Thermal drainage protection device
 for "Regumat RTA"

| | |
|-------|----------------|
| DN 20 | 1354699 |
|-------|----------------|

Application:
 For thermal protection of solid fuel boilers in
 closed hot water heating systems according to
 DIN EN 12828.

Tested according to DIN 3440.

Response temperature: 95 °C
 Max. heating capacity: 90 kW
 Length of capillary with protective pipe: 1.3 m

Both ports female thread Rp ¾.

Immersion pocket G ½ connection.

6.e Products for heat pump systems

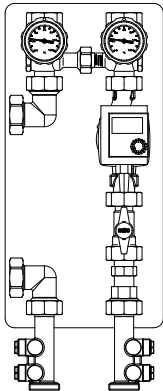
Content

| | |
|--------------------------------|------|
| Products for heat pump systems | 6.54 |
| Accessories | 6.55 |

| Article | Article-No. | Hint |
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Products for heat pump systems

Buffer storage cylinder connection group
for heat pumps
with connection set for safety group for diaphragm expansion tank



- consisting of:
- isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
 - pump ball valve at the pump inlet
 - thermal insulation
 - connection set for safety group for diaphragm expansion tank
 - high-efficiency pump Wilo PICO 25/1-6
 - connection elbow G 1/2

1356872

For the connection of a heat pump to the heating system and a buffer storage cylinder.

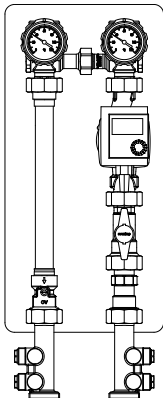
Max. operating pressure 10 bar: (PN 10)
Max. operating temperature for high-efficiency pumps: 95 °C

Dimensions product assembly:
Distance between pipe centres: 125 mm
Length: 588 mm

Connection:
To heating circuit:
G 1 1/2 male thread, flat sealing
To boiler:
G 1 1/2 male thread, flat sealing

Components screwed tightly,
product assembly leak tested.

Heating circuit connection group
for heat pumps
with connection set for safety group for diaphragm expansion tank



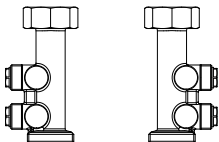
- consisting of:
- isolation device with 2 ball valves and 2 thermometers (without pressure relief device)
 - flanged pipe with check valve
 - distance piece
 - pump ball valve at the pump inlet
 - thermal insulation
 - connection set for safety group for diaphragm expansion tank
 - high-efficiency pump Wilo PICO 25/1-6

1356972

For the connection of a heat pump to the heating system.

Tailpipes sets (page 6.67) and a wall mounting device (page 6.55) are available separately.

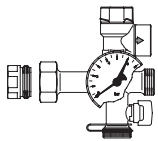
Connection set for safety group for diaphragm expansion tank



1356989

With the option to connect the safety group.

Safety group
with diaphragm safety valve 3 bar,
pressure gauge, fill and drain cock and
connection facility for an expansion tank

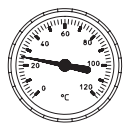


1351598

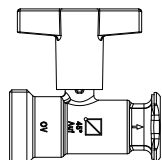
For the protection of pressurized systems.
For the connection to the heat exchanger "Regumat".

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|

Accessories



Replacement thermometer **1351691**
for "Regumat-180" DN 25 with universal thermal insulation



Pump ball valve
with integrated check valve
including collar nuts and seals

DN 25 **1353771**

For the connection of the boiler to the
pipework.

PN 10

For the supply pipe: red handle
Installation at the pump inlet.



Wall mounting device for "Regumat"
including fixing material

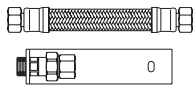
DN 25-130 and DN 25-180 **1352096**



"Regumat" Flanged pipe with check valve

DN 25-180 **1352297**

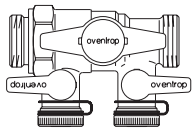
L = 361 mm. For "Regumat S-180"
with pump ball valve (replacement).



“Regusol” Connection set for diaphragm expansion tank

consisting of:
 angled wall bracket made of steel
 quick-coupling for diaphragm expansion tank
 flexible hose

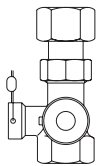
For the connection of a diaphragm expansion tank to the solar station “Regusol”,
 page 9.56



“Regusol” Filling and flushing device

G 1 male thread x G 1 male thread

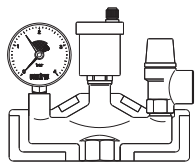
For filling and flushing of heating systems,
 page 9.33



“Expa-Con” Valve

with lead sealable cap brass

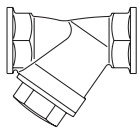
For control, maintenance and possible replacement of diaphragm expansion tanks,
 page 6.123



“MSM-Block” Boiler safety device

airvent with automatic shut-off
 pressure gauge with automatic shut-off
 insulation
 DN 25, G 1 female thread

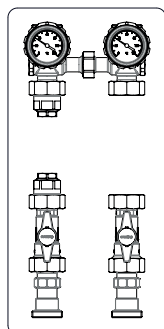
Complete safety group according to DIN EN 12828,
 page 6.123



Strainer

bronze
 with simple wire basket

For heating and cooling circuits,
 page 5.32

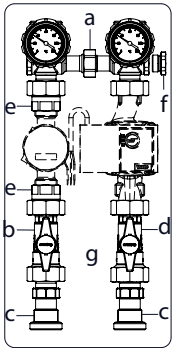


6.f "Regumat S/M3-180" DN 25 for heat meters

Content

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| "Regumat S-180" DN 25 for heat meters | 6.58 |
| "Regumat M3-180" DN 25 for heat meters | 6.58 |
| Heat meter installation set | 6.58 |
| Accessories for "Regumat S/M3-180" DN 25 for heat meters | 6.59 |

| Article | Packing unit | Article-No. | Hint |
|---------|--------------|-------------|------|
|---------|--------------|-------------|------|



"Regumat S-180" DN 25 for heat meters

For the installation of a heat meter G 1, 130 mm or G ¾, 110 mm, with spacer made of plastic, 110 mm long

consisting of:

- a) isolation device with 2 ball valves and 2 thermometers
- b) ball valve with check valve
- c) distance piece
- d) pump ball valve at the pump inlet
- e) adapter G ¾ and G 1
- f) plug for temperature sensor M 10 x 1.0
- g) thermal insulation

without pump and heat meter **1356050**

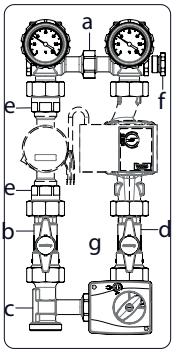
For measurement of heat consumption in heating systems.

Dimensions product assembly:
 Distance between pipe centres: 125 mm
 Length: 460 mm

With universal thermal insulation element featuring perforated cut edges for a direct adaptation to the heat meter.

When choosing the suitable heat meter, the technical specifications of the manufacturer must be observed.

Oventrop recommends the use of ultrasonic heat meters.



"Regumat M3-180" DN 25 for heat meters

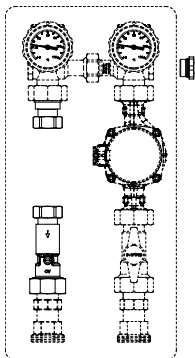
For the installation of a heat meter G 1, 130 mm or G ¾, 110 mm, with spacer made of plastic, 110 mm long

consisting of:

- a) isolation device with 2 ball valves and 2 thermometers
- b) ball valve with check valve
- c) three-way mixing valve with actuator
- d) pump ball valve at the pump inlet
- e) adapter G ¾ and G 1
- f) plug for temperature sensor M 10 x 1.0
- g) thermal insulation

without pump and heat meter **1356250**

Adapters for fixing of the temperature sensors item no. 1352258/59: page 6.60



Heat meter installation set

with plug for the fixing of a temperature sensor M 10 x 1.0, for heat meters G 1, 130 mm or G ¾, 110 mm, for "Regumat 180" DN 25 with ball valve at the pump inlet

for "Regumat S-180" **1350443**

with pump ball valve

for "Regumat M3/M4-180" **1350444**

with pump ball valve

Plug for heat meter installation set for fixing of a temperature sensor

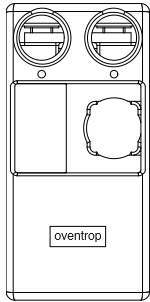

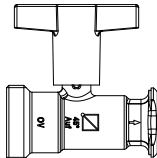

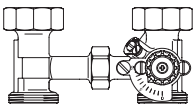
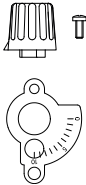
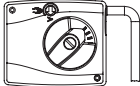



M 10 x 1.0 (25) **1350490**





Heat meter installation set

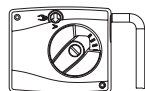
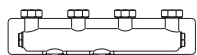
with integrated temperature sensor connection at the pump ball valve and adapters. For heat meters G 1, 130 mm or G ¾, 110 mm.

1352250

Only for "Regumat S/M3-180" DN 25 with pump ball valve.

| Article | Packing unit | Article-No. | Hint |
|---|--------------|--|--|
| Accessories for "Regumat S/M3-180" DN 25 for heat meters | | | |
|  | | Universal thermal insulation: for "Regumat-180" DN 25 with pump ball valve | 1356097 |
|  | | Replacement thermometer for "Regumat-180" DN 25 with universal thermal insulation | 1351691 |
|  | | Pump ball valve with integrated check valve including collar nuts and seals DN 25 | 1353771 For the connection of the boiler to the pipework. PN 10 For the <u>supply pipe</u> : red handle Installation at the pump inlet. |
|  | | Wall mounting device for "Regumat" including fixing material DN 25-130 and DN 25-180 | 1352096 |
|  | | Three-way mixing valve for "Regumat M3" without actuator, with set of seals DN 25 <u>with</u> manually adjustable bypass | 1350281 For flow temperature control. Manual setting, actuator can be mounted subsequently (only valid for DN 25). Distance between pipe centres: 125 mm Connection: G 1½ male thread x G 1½ collar nut |
|  | | Setting group for manual setting of the three- and four-way mixing valves | 1651500 |
|  | | Actuators 24 V (0-10 V) 24 V (three point) 230 V (three point) 230 V (three point) | 1350951 1350952 1350953 1361098 For the operation of three- and four-way mixing valves. As replacement for "Regumat M3/M4". Operating time 140 sec., torque 5 Nm Operating time 140 sec., torque 5 Nm Operating time 140 sec., torque 5 Nm Operating time 35 sec., torque 5 Nm |
|  | | Set of seals for three-way mixing valve DN 25 (20) | 1350289 For "ESBE" and "Lineg" actuators. |
|  | | Adapter | 1350296 For "Lineg" actuator. |
|  | | Adapter | 1350297 For "ESBE" actuator. |

| | Article | Packing unit | Article-No. | Hint |
|---|---|-----------------|----------------|---|
|  | Bypass plug M3 - DN 25 | (25) | 1350292 | For three-way mixing valves with manually adjustable bypass for closing the bypass channel. |
|  | Regulating insert (spindle) for three-way mixing valve DN 25 with set of seals | | 1350285 | For "ESBE" and "Lineg" actuators (without adapter). |
|  | Adapter for heat meter installation set with temperature sensor Ø 5.2 | | 1352258 | (e.g. Hydrometer, Ista, Techem, Minol, Rossweiner, Grundis, NRZ) |
|  | Adapter for heat meter installation set with temperature sensor Ø 6 | | 1352259 | (e.g. Allmess) |

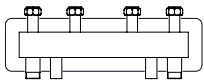


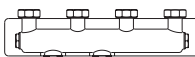


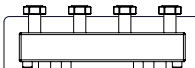

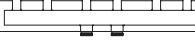







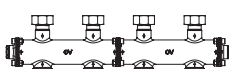


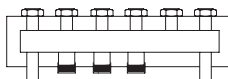


6.g Accessories for "Regumat"


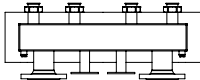
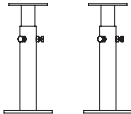

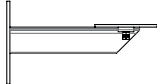
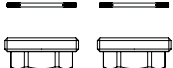
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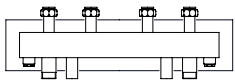
| Article | Packing unit | Article-No. | Hint |
|--|--------------|-----------------|---|
|  Distributor for "Regumat" DN 20 made of steel with insulation and wall bracket | | | Connection to the heating circuit: G 1 collar nut Connection to the boiler: G 1 male thread, flat sealing |
|  for 2 heating circuits | | 1351482 | |
|  for 3 heating circuits | | 1351483 | Max. operating pressure: 4 bar Max. operating temperature: 110 °C Max. flow rate: 2.5 m³/h |
|  Distributor for "Regumat" DN 25 with insulation | | | Connection to the heating circuit: G 1½ collar nut Connection to the boiler: G 1½ male thread, flat sealing |
|  for 2 heating circuits DN 25 made of bronze | | 1351571 | Max. flow rate: 4 m³/h |
|  Wall bracket for 2-fold distributor made of bronze including fixing material | (10) | 1351592 | |
|  made of steel for 2 heating circuits DN 25 | | 1351582 | Connection to the heating circuit: G 1½ collar nut, flat sealing Connection to the boiler: G 1½ male thread, flat sealing |
|  for 3 heating circuits DN 25 | | 1351583 | Including wall bracket for "Regumat" with a distance of 125 mm between pipe centres and insulation. Distributors for 9 heating circuits and more on request. |
|  for 4 heating circuits DN 25 | | 1351584 | Max. flow rate: 4 m³/h |
|  for 5 heating circuits DN 25 | | 1351585 | |
|  for 6 heating circuits DN 25 | | 1351586 | |
|  for 7 heating circuits DN 25 | | 1351587 | |
|  for 8 heating circuits DN 25 | | 1351588 | |
|  Compact distributor made of steel | | | Connection to the heating circuit: G 1½ collar nut, flat sealing Connection to the boiler: G 1½ male thread, flat sealing Including wall bracket for "Regumat" with a distance of 125 mm between pipe centres and insulation. |
|  for 3 heating circuits DN 25 | | 1351783 | |
|  for 5 heating circuits DN 25 | | 1351785 | |
| "Regumat" Module distributor DN 25 made of brass with insulation | | | Heating distributor system of modular construction: – subsequently extendable – up to 6 groups can be connected to the boiler and heating circuit |
|  for 2 heating circuits | | 1351471 | Connection to the heating circuit: G 1½ collar nut |
|  for 3 heating circuits | | 1351472 | Connection to the boiler: G 1½ male thread, flat sealing Max. flow rate: 4 m³/h |
| Extension module with insulation | | 1351470 | |
|  Wall bracket for 2-fold module distributor "Regumat" made of steel including fixing material | (10) | 1351593 | |
|  Distributor for "Regumat" DN 32 without pump ball valve made of steel with insulation and wall bracket | | | Connection to the heating circuit: G 2 collar nut Connection to the boiler: R 2 male thread, flat sealing For the connection (right/left) to the boiler without crossing. |
| for 2 heating circuits | | 1351682° | Max. operating pressure: 4 bar Max. operating temperature: 110 °C Max. flow rate: 7 m³/h |
| for 3 heating circuits | | 1351683° | |
| for 4 heating circuits | | 1351684° | |
| for 5 heating circuits | | 1351685° | |

For the old model "Regumat" DN 32.

| Article | Article-No. | Hint |
|--|---|---|
|  <p>Distributor for "Regumat" DN 32 with pump ball valve (2013) made of steel with insulation and wall bracket</p> | <p>for 2 heating circuits 1351672 for 3 heating circuits 1351673</p> <p>for 4 heating circuits 1351674 for 5 heating circuits 1351675</p> | <p>Connection to the heating circuit: G 2 collar nut Connection to the boiler: G 2 male thread, flat sealing Max. operating pressure: 4 bar Max. operating temperature: 110 °C</p> <p>Max. flow rate: 9 m³/h</p> <p>Max. flow rate: 12 m³/h</p> |
|  <p>Distributor for "Regumat-220/280" DN 40/50 made of steel with insulation</p> | <p>for 2 heating circuits 1351692 for 3 heating circuits 1351693 for 4 heating circuits 1351694</p> | <p>Distributor for "Regumat-220/280" with a distance of 180 mm between pipe centres.</p> <p>Connection to the heating circuit: G 2 collar nut, flat sealing Connection to the boiler: flanged DN 80</p> <p>Max. flow rate: 18 m³/h</p> |
|  <p>Mounting legs for distributors/"HydroFixx" DN 40/50</p> | <p>infinitely adjustable height 285-480 mm including fixing material 1351697</p> | <p>For further information see "Technical information":</p>  |
|  <p>Wall consoles for distributors/"HydroFixx" DN 40/ 50</p> | <p>distance to wall infinitely adjustable between 165 and 235 mm including fixing material 1351695</p> | |
|  <p>Sealing plug set 2-fold</p> | <p>DN 25, G 1½ 1351770 DN 32, G 2 1351771</p> | <p>For closing a pair of heating circuits at the distributor.</p> |

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|

"HydroFixx"
Hydronic header / distributor combination
 Distributor with horizontal integrated hydronic header, compact construction, made of steel.



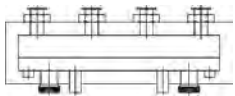
"HydroFixx" for "Regumat" DN 20
 made of steel
 with insulation and wall bracket

for 2 heating circuits **1351568**
 for 3 heating circuits **1351569**

Connection to the heating circuit:
 G 1 collar nut
 Connection to the boiler:
 G 1 male thread, flat sealing
 Max. operating pressure: 4 bar
 Max. operating temperature: 110 °C

Max. flow rate: 2.5 m³/h

6

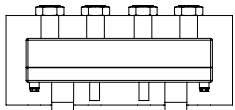


"HydroFixx" for "Regumat" DN 25
 made of steel
 with insulation and wall bracket

for 2 heating circuits **1351698**
 for 3 heating circuits **1351699**

For the connection of "Regumat" DN 25 with a distance of 125 mm between pipe centres.
 Connection to the heating circuit:
 G 1½ collar nut, flat sealing
 Connection to the boiler:
 G 1½ male thread, flat sealing
 Max. flow rate: 4 m³/h

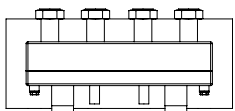
For further information see "Technical information":



"HydroFixx" for "Regumat" DN 32 without pump ball valve
 made of steel
 with insulation and wall bracket

for 2 heating circuits **1351768°**
 for 3 heating circuits **1351769°**

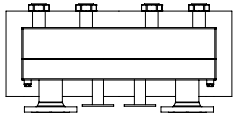

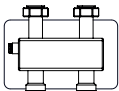
For the connection of "Regumat" DN 32 with a distance of 125 mm between pipe centres.
 Connection to the heating circuit:
 G 2 collar nut, flat sealing
 Connection to the boiler:
 G 2 male thread, flat sealing
 Max. flow rate: 7.5 m³/h
 For the old model "Regumat" DN 32.
 For further information see "Technical information":







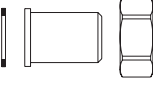
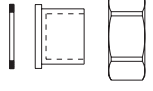
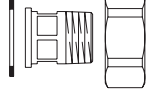
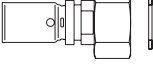


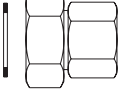
"HydroFixx" for "Regumat" DN 32 with pump ball valve (2013)
 made of steel
 with insulation and wall bracket

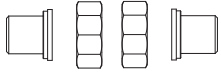
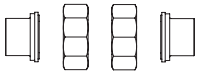
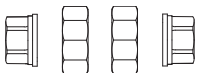






for 2 heating circuits **1351758**
 for 3 heating circuits **1351759**

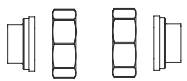
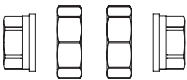

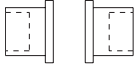
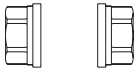

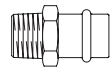
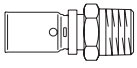
For the connection of "Regumat" DN 32 (2013) with a distance of 125 mm between pipe centres.
 Connection to the heating circuit:
 G 2 collar nut, flat sealing
 Connection to the boiler:
 G 2 male thread, flat sealing
 Max. flow rate: 9 m³/h

| Article | Article-No. | Hint |
|---|--|---|
|  | <p>"HydroFixx" for "Regumat" DN 40/50 made of steel with insulation</p> <p>for 2 heating circuits 1351778 for 3 heating circuits 1351779</p> | <p>For the connection of "Regumat" DN 40/50 with a distance of 180 mm between pipe centres.</p> <p>Connection to the heating circuit: G 2 collar nut, flat sealing</p> <p>Connection to the boiler: flanged DN 80 Max. flow rate: 18 m³/h</p> <p>For further information see "Technical information":</p> |
|  | <p>Hydronic header made of steel with insulation</p> <p>DN 25 1351590 connection G 1½ male thread, flat sealing</p> <p>DN 32 1351591 connection R 2 male thread</p> | <p>For the hydronic decoupling of heating and boiler circuit.</p> <p>Max. flow rate: 4 m³/h</p> <p>Max. flow rate: 8 m³/h</p> <p>For further information see "Technical information":</p> |
|  | <p>"MonoFixx" for "Regumat" DN 25 made of steel with insulation and wall bracket</p> <p>for one heating circuit 1351589</p> | <p>For the hydronic decoupling of heating and boiler circuit.</p> <p>For the connection of a "Regumat" DN 25 with a distance of 125 mm between pipe centres.</p> <p>Connection to the heating circuit: G 1½ collar nut</p> <p>Connection to the boiler: G 1½ male thread, flat sealing</p> |

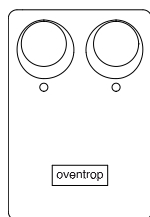


| Article | Packing unit | Article-No. | Hint |
|---|--------------|---|---|
| Accessories for hydronic headers / distributors | | | |
|  | | Connection fitting for "Regumat RTA" below the distributor 2 x G 1 1/2 female thread/installation length 45 mm Set = 2 pieces | (10) 1351655 |
| Reducers | | | |
|  | | for connection of a distributor DN 25 to a "Regumat" DN 20 G 1 1/2 male thread x G 1 collar nut, set = 2 pieces | 1351654 |
| | | for connection of a distributor DN 32 to a "Regumat" DN 25 G 2 male thread x G 1 1/2 collar nut, set = 2 pieces | (10) 1351652 |
|  | | for connection of a distributor DN 40/50 to a "Regumat" DN 25 G 2 male thread x G 1 1/2 collar nut, set = 2 pieces | 1351657 |
| | | for connection of a distributor DN 40/50 to a "Regumat" DN 32 G 2 male thread x G 2 collar nut, set = 2 pieces | (10) 1351658 |
|  | | for connection of a "Regumat" DN 32 without pump ball valve to a distributor DN 25 | (25) 1351651 |
| "Regumat" Tailpipe sets DN 20 | | | Required for the connection of the pipework to the heating circuit and for the connection of the "Regumat" DN 20 and "Regumaq" with G 1 connection to the boiler, including ring gaskets. |
|  | | Set of weldable tailpipes 2-fold: collar nut G 1, weldable tailpipe | (10) 1350445 |
|  | | Set of solder tailpipes, 22 mm 2-fold: collar nut G 1, solder tailpipe | (10) 1350446 |
|  | | Set of threaded tailpipes R 3/4 2-fold: collar nut G 1, threaded tailpipe | (10) 1350448 |
|  | | Press connection set 26 x 3 mm 2-fold: collar nut G 1, press connection | (10) 1350449 |
|  | | Connection set, system Mapress 22 mm 2-fold: collar nut G 1, press connection | (10) 1350435 |
|  | | Connection set, system Viega Sanpress 22 mm 2-fold: collar nut G 1, press connection | (10) 1350436 |
|  | | Connection set Rp 3/4 2-fold: collar nut G 1, nipple | (10) 1350447 |

| Article | Packing unit | Article-No. | Hint |
|---|---|---------------------|---|
| "Regumat" Tailpipe sets DN 25 | | | |
|  | Weldable tailpipe sets | | Required for the connection of the pipework to the heating circuit and for the connection of the "Regumat DN 25-130/180" to the boiler, without ring gaskets (come with the "Regumat"). |
| | 2-fold: collar nut G 1½, weldable tailpipe | 1350455 | |
| | 4-fold: collar nut G 1½, weldable tailpipe | 1350465 | |
|  | Solder tailpipe sets 28 mm | | |
| | 2-fold: collar nut G 1½, solder tailpipe | 1350456 | |
| | 4-fold: collar nut G 1½, solder tailpipe | 1350466 | |
|  | Threaded tailpipe sets Rp 1 | | |
| | 2-fold: | 1350457 | |
| | 4-fold: collar nut G 1½, threaded tailpipe | 1350467 | |
|  | Press connection set 26 mm x 3 mm with seal | | |
| | 1-fold: press connection, collar nut G 1½ | (5) 1511946 | |
|  | Press connection set 32 mm x 3 mm with seal | | |
| | 1-fold: press connection, collar nut G 1½ | (5) 1511949 | |
|  | Collar nut G 1½ | | |
| | 2-fold | 1350450 | |
| | 4-fold | 1350451 | |
| | 1-fold | (20) 1359099 | |
|  | Weldable tailpipe | | |
| | 2-fold | 1350594 | |
|  | Solder tailpipe 28 mm | | |
| | 2-fold | 1351095 | |
|  | Threaded tailpipe Rp 1 | | |
| | 2-fold | 1351394 | |

| Article | Packing unit | Article-No. | Hint |
|---|--|----------------------|---|
| "Regumat" Tailpipe sets DN 32 | | | Required for the connection of the "Regumat" DN 32 to the boiler. |
|  | Solder tailpipe sets 35 mm | | |
| | 2-fold: collar nut G 2 and solder tailpipe | 1350474 | |
| | 4-fold: collar nut G 2 and solder tailpipe | 1350475 | |
|  | Threaded tailpipe sets Rp 1 1/4 | | |
| | 2-fold: collar nut G 2 and threaded tailpipe | 1350476 | |
| | 4-fold: collar nut G 2 and threaded tailpipe | 1350477 | |
|  | Collar nut G 2 | | |
| | 2-fold | 1350470 | |
| | 4-fold | 1350471 | |
|  | Solder tailpipe 35 mm | | |
| | 2-fold | 1351096 | |
|  | Threaded tailpipe Rp 1 1/4 | | |
| | 2-fold | 1351396 | |
|  | Ring gasket (Set = 10 pieces) | | |
| | Ø 30 x Ø 25 x 2 mm | (100) 1359551 | For junction G 1. |
| | Ø 44.5 x Ø 28 x 2 mm | (100) 1359552 | For junction G 1 1/2. |
| | Ø 27 x Ø 38 x 2 mm | 1359553 | for junction G 1 1/4 |
| | Set = 4 pieces | | |
| | Ø 56 x Ø 36 x 2.5 | (10) 1359554 | For junction G 2. |
| | Coupling | | |
| | 2 x G 2 collar nut | 1352088* | For connection to a "Regumat" DN 32. |
| "Regumat" Tailpipe sets DN 40/50 | | | |
|  | Fitting 2-fold system Viega Sanpress SC-Contur, bronze, silicone-free seal | | For heating circuit connections with female thread Rp 2. |
| | Ø 54 mm x R 2 | 1350480° | |
|  | "Cofit PD" Press fitting 2-fold, made of brass resistant to dezincification, stainless steel casing, for "Copaque HS" composition pipe | | |
| | 63 x 6.0 mm x R 2 | 1350481 | |
| | Fitting | | |
| | R 2 male x G 2 collar nut | 1352089* | For connection to a "Regumat" DN 40/50. |

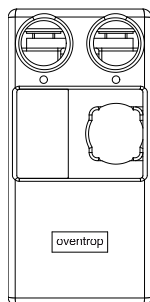
| Article | Article-No. | Hint |
|---------|-------------|------|
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Thermal insulation

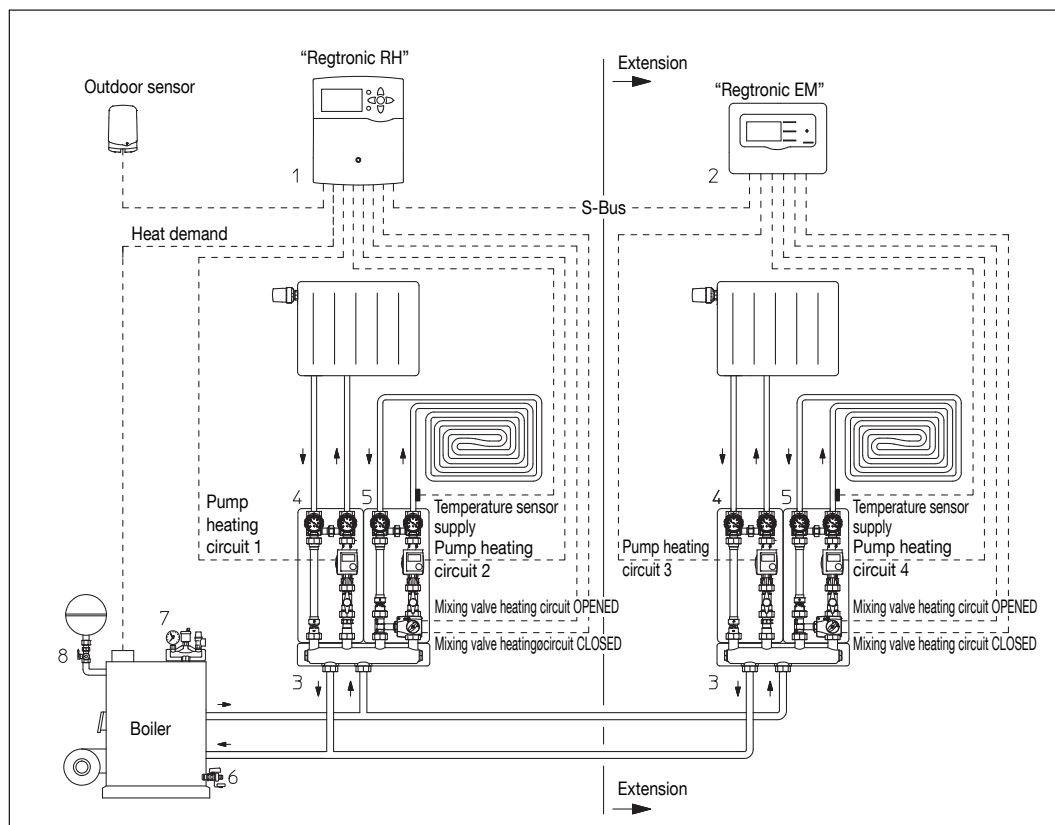
with one-piece front insulation shell:

| | | |
|--|----------------|---|
| for "Regumat-130" DN 25 | 1355090 | Not suitable for "Regumat 130" DN 25 with Grundfos ALPHA 2. |
| for "Regumat-180" DN 25 with pump ball valve | 1355091 | |
| for "Regumat-180" DN 32 | 1355092 | |
| for "Regumat-180" DN 25 with pump ball valve, Grundfos pump ALPHA 2.1 25-60 | 1356090 | |
| for "Regumat-180" DN 25 with pump ball valve, Wilo pump Stratos ECO 25/1-5 | 1356091 | |
| for "Regumat-180" DN 25 without pump ball valve, Grundfos pump ALPHA 2.1 25-60 | 1356092 | |
| for "Regumat-180" DN 25 without pump ball valve, Wilo pump Stratos ECO 25/1-5 | 1356093 | |



Universal thermal insulation:

| | |
|---|----------------|
| for "Regumat-180" DN 25 with pump ball valve | 1356097 |
| for "Regumat-180" DN 25 without pump ball valve | 1356098 |



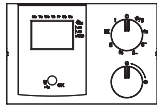
Example: Weather guided control of 2 variable and 2 constant temperature circuits with heat demand (e.g. via a conventional boiler, solid fuel or heat pump) consisting of the heating circuit controller "Regtronic RH" with outdoor sensor and the extension module "Regtronic EM".

Oventrop products:

- 1 "Regtronic RH" Heating circuit controller with outdoor sensor
- 2 "Regtronic EM" Extension module
- 3 Distributor for "Regumat"
- 4 "Regumat S"
- 5 "Regumat M3"
- 6 "Optiflex" Ball valve
- 7 "MSM-Block" Boiler safety device
- 8 "Expa-Con" Valve with lead sealable cap

Article Article-No. Hint

"Regtronic EH" Heating circuit controller



with 1 outdoor sensor and 3 additional sensors (NTC 5000)
230 V **1152092°**

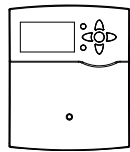
Weather guided control of the flow temperature of the heating system by activating a heat generator and/or a mixing valve.
Further information and ErP data:



Spare sensor **1159091**

Temperature sensor NTC 5000 for connection to the heating circuit controller "Regtronic EH".

"Regtronic RH" Heating circuit controller



with 1 outdoor sensor and 3 additional sensors (PT 1000) **1152093**

with 1 outdoor sensor, 2 additional sensors (PT 1000) and remote control including room temperature sensor (PT 1000) **1152090**

Weather guided control of the flow temperature of the heating system via the demand of a heat generator and/or a mixing valve (e. g. "Regumat M3" or "Regufloor HW" with three-way mixing valve). Controller for wall mounting with data bus (S-bus).
Basic functions: 1 variable and 1 constant temperature heating circuit with heat demand. Extendable by "Regtronic EM". The status can be viewed via a full graphic display.
Interfaces: S-bus, SD-card slot for data recording

Inputs: 8 sensor inputs (PT 1000, KTY, switch or remote control), 2 inputs for electronic volume flow sensor / pressure sensor and irradiation sensor.
Outputs: 4 solid-state relays (speed controlled), 1 standard relay (volt free), 2 PWM outputs for the speed controlled activation of high-efficiency pumps. Both PWM outputs can be switched to 0-10 V.

| ErP classification heating circuit controllers "Regtronic RH" and "Regtronic EH" | | | | | | |
|--|--|--|---------------------|--------|-------|-------|
| Item no. | Controller | Required accessories | Boiler control | | ErP % | Class |
| | | | modulating (0-10 V) | On/Off | | |
| 1152092 | "Regtronic EH" | - | | X | 1.5 | III |
| 1152093 | "Regtronic RH" | Adapter cable 1152086 | X | | 2.0 | II |
| 1152093 | "Regtronic RH" | - | | X | 1.5 | III |
| 1152090 | "Regtronic RH" incl. remote control with room temperature sensor | Adapter cable 1152086 | X | | 4.0 | VI |
| 1152090 | "Regtronic RH" incl. remote control with room temperature sensor | - | | X | 3.5 | VII |
| 1152090 | "Regtronic RH" incl. remote control with room temperature sensor | 2 x room temperature sensor 1152095 Adapter cable 1152086 | X | | 5.0 | VIII |

For the connection of high-performance pumps (> 1A) see load relay, page 6.74.

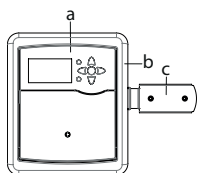
Adapter cable



PWM-/ 0-10 V **1152086**

Adapter cable for signal transmission, for instance from the heating circuit controller "Regtronic RH" to a modulating heat generator with 0-10 V interface.
Accessory required for ErP classification II, VI and VIII.

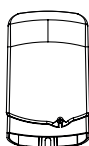
Heating circuit controller extension set for "Regumat 180" DN 25 with pump ball valve



consisting of: **1357290**
a) Heating circuit controller "Regtronic RH"
b) Controller location made of expanded polypropylene
c) Controller bracket made of metal including fixing material

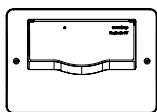
Controller bracket for the variable direct connection of the heating circuit controller "Regtronic RH" on the left or right hand side of the station.
Extension set only suitable for "Regumat" DN 25:
1357070/72/73, 1357270/72/73, 1357020/27/29 and 1357220/27/29

Outside temperature sensor **1152099**



Temperature sensor PT 1000 for connection to the heating circuit controller "Regtronic RH".

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|

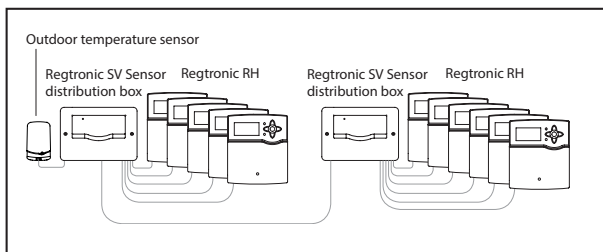


"Regtronic SV" Sensor distributor

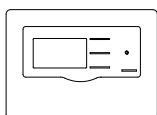
for the distribution of one PT 1000 temperature sensor to up to 6 "Regtronic" controllers

1152088

The sensor distributor "Regtronic SV" distributes the signal of one PT 1000 outside temperature sensor to 6 outputs. This allows the transmission of the signal of one sensor to up to 6 controllers (e.g. heating circuit controller "Regtronic RH").



Example: Distribution of one temperature sensor (outside temperature sensor) to 5 respectively 6 heating circuit controllers "Regtronic RH".


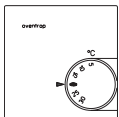


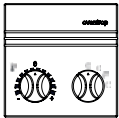


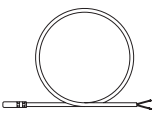
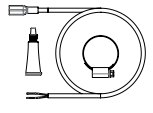


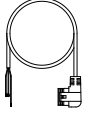
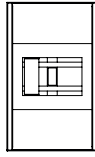
"Regtronic EM" Extension module

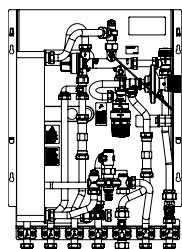
for the connection to the heating circuit controller "Regtronic RH"

1152098

"Regtronic EM" for the extension of the heating circuit controller "Regtronic RH" by 6 sensor inputs and 5 relay outputs. Thus, further variable or constant temperature heating circuits can be activated. Up to **five** extension modules can be connected to the heating circuit controller "Regtronic RH". 1 sensor attached to the pipe PT 1000 is included.

| Article | Packing unit | Article-No. | Hint |
|--|------------------------------------|----------------|--|
| Accessories | | | |
|  | | 1152095 | Room temperature sensor for fixing on level surfaces (surface mounting). |
| Room thermostat - surface mounting | | | |
|  | 230 V | (25) | 1152051 |
| | 24 V | (25) | 1152052 |
|  | 230 V | (25) | 1152055 |
| | with concealed temperature setting | | |
| <p>The surface- or flush-mounted model of the electric thermostat is used for individual room temperature control in combination with the electrothermal actuators (two point "Aktor T 2P".</p> <p>Temperature range: 5 °C up to 30 °C</p> <p>Heating: Use electrothermal actuators (two point) "closed with current off". As for item no. 1152051/52/55/71/72, temperature may be set back by use of an external time switch (item no. 1152551/52 for 230 V, item no. 1152554 for 24 V).</p> <p>Cooling: Use electrothermal actuators (two point) "open with current off".</p> <p>Limitation of the control range of item no. 1152051/52/71/72 by using the concealed limiting elements.</p> <p>The isolator terminals of the room thermostat can be connected to the sensor entry of the heating circuit controller "Regtronic RH".</p> <p>The heating circuit controller can for instance activate a 230 V actuator or can switch to reduced heating operation.</p> | | | |
|  | | 1152096 | Remote control with room temperature sensor PT 1000 for the connection to the electronic controllers "Regtronic RH, RM and RS" for a comfortable control of the heating curve of the controller from the living area. When increasing the heating curve, the flow temperature is increased and vice versa. The remote control also features the functions "heating circuit off" and "party position". |
|  | | 1152087 | <p>Room controller with operating mode switch, remote control and room temperature sensor PT 1000 for the connection to the heating circuit controller "Regtronic RH" for a comfortable setting of the operating mode and heating curve of the controller from the living area.</p> <p>Operating mode switch: Setting of the operating modes "Automatic", "Night setback", "Summer" and "Off".</p> <p>Remote control: An increase of the heating curve provokes an increase of the flow temperature and vice versa. Furthermore, the remote control features the functions "Heating circuit off" and "Party position".</p> |

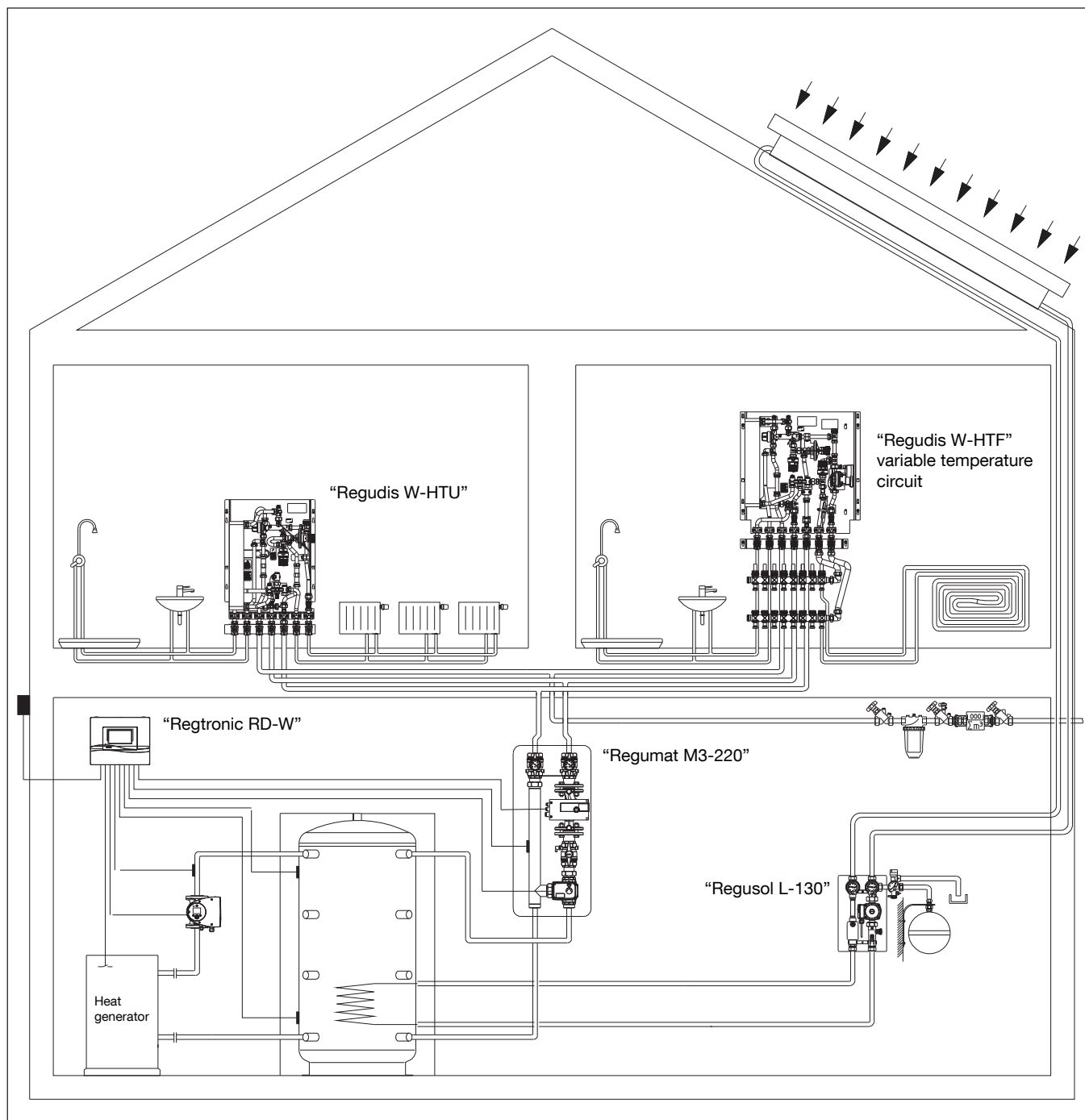
| | Article | length | Article-No. | Hint |
|---|--|-----------------|---|---|
|  | "Sensor LW TH" Temperature sensor PT 1000 | | | For electronic registration of the riser temperatures. |
| | Storage cylinder | | 1369093 | Continuous temperature range: up to 105 °C L = 300 cm |
| | Collector | | 1369094 | Continuous temperature range: up to 180 °C (for short periods up to 250 °C) L = 200 cm. |
|  | Temperature sensor attached to the pipe Sensor element PT 1000, with fixing clamp Ø 25 - 40 and heat conducting paste | | 1369095 | Continuous operating temperature range: up to 180 °C L = 150 mm |
| <p>High-efficiency pump 130 mm with connection thread G 1 DN 20</p> | | | | |
| | Grundfos ALPHA 2.1 15-60 | 130 | 1357161* | |
| <p>High-efficiency pumps 130 mm with connection thread G 1½ DN 25</p> | | | | |
| | Wilo-Yonos PARA RS 25/6-RKA | 130 | 1357153 | |
| | Wilo-Yonos PARA RS 25/6-RKC | 130 | 1357154 | |
| | Grundfos ALPHA 2.1 25-60 | 130 | 1357157 | |
|  | <p>High-efficiency pumps 180 mm with connection thread G 1½ DN 25</p> | | | For replacement purposes or for upgrading the "Regumat 180" stations without pump, for open vented systems. |
| | Wilo-Yonos PARA RS 25/6-RKA | 180 | 1355158 | |
| | Grundfos ALPHA 2.1 25-60 | 180 | 1358155 | |
| | Grundfos ALPHA 2.1 25-60N | 180 | 1357159 | with stainless steel body |
| | Wilo-Stratos PICO 25/1-6 | 180 | 1358157 | |
| Wilo-Stratos PICO 25/1-6 RG | 180 | 1357160 | with bronze body | |
|  | <p>High-efficiency pumps 180 mm with connection thread G 2 DN 32</p> | | | |
| | Grundfos ALPHA 2.1 32-60 | 180 | 1358161 | |
| | Wilo-Stratos ECO 30/1-5 | 180 | 1358162 | |
| | Wilo-Yonos PARA RS 30/6-RKA | 180 | 1358163 | |
| | Wilo-Yonos PARA RS 30/6-RKC | 180 | 1358164 | |
| KSB Calio 30-120 | 180 | 1358165 | For subsequent installation into the "Regumat S/M3-180" DN 32 with pump ball valve. | |
| <p>Other circulation pumps on request.</p> | | | | |
|  | <p>Power cord for high-efficiency pumps with right angle plug</p> | | | Small model for "Regumat 180" DN 25 without pump ball valve. Cable 2 m long. |
| | for Grundfos ALPHA | | 1358150 | |
| | for Wilo-Stratos PICO | | 1358170* | |
| for Wilo-Yonos PARA | | 1358171* | | |
|  | <p>Load relay</p> | | | For the connection of high-performance pumps (> 1A). |
| | 2-phase cabled with the casing | | 1152089 | |



6.h "Regudis W" Dwelling stations

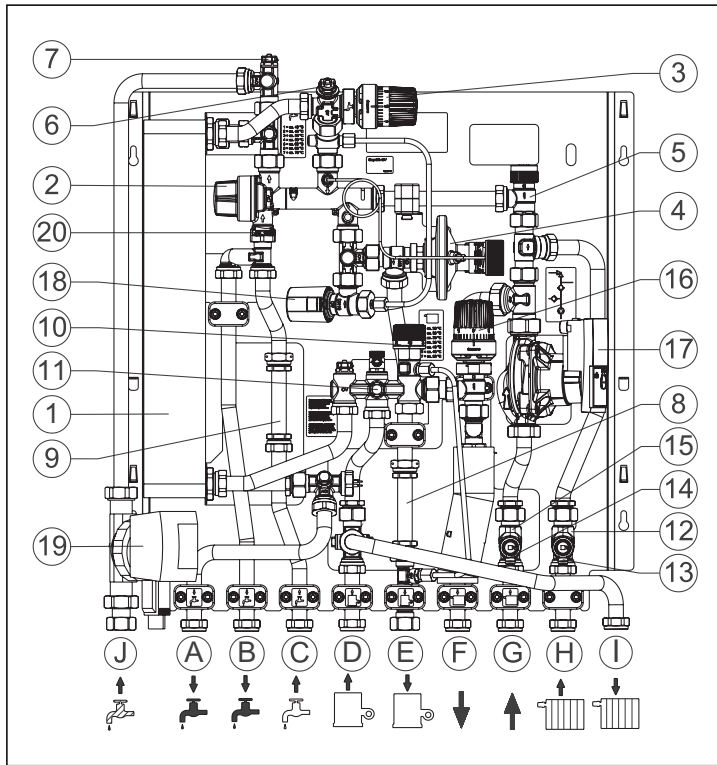
Content

| | |
|--|------|
| General information | 6.77 |
| "Regudis W-HTU" Dwelling stations, depth 150 - 175 mm | 6.79 |
| "Regudis W-HTU Basic" Dwelling stations, depth 150 - 175 mm | 6.82 |
| "Regudis W-HTF" Dwelling stations, depth 110 mm | 6.83 |
| Covers and cabinets for dwelling stations "Regudis W" | 6.87 |
| "Regudis W-HTE" Dwelling stations - electronic control, depth 110 mm | 6.93 |
| Extension modules for "Regudis W-HTE" | 6.93 |
| Accessories for "Regudis W-HTE" | 6.94 |
| "Regtronic RD-W" System controller | 6.95 |
| Accessories for system controller "Regtronic RD-W" | 6.95 |



System illustration: "Regudis W" with conventional heat generator, buffer storage cylinder and solar integration
 A control engineered integration of the "Regudis W" dwelling stations into the heating system can be carried out with the help of the "Regudis" system controller "Regtronic RD-W".

Dwelling stations supply heat as well as hot and cold potable water to individual dwellings or commercial units without using auxiliary energy. The hot water for heating purposes is provided by a central heat supply. The potable water is heated locally via a heat exchanger according to the continuous flow principle.



- 1 Plate heat exchanger
- 2 Proportional flow controller
- 3 Thermostatic potable water temperature controller with sensor made of stainless steel, control range 40-70 °C
- 4 Differential pressure regulator
- 5 Zone valve for heating circuit control
- 6 Deaeration heating circuit
- 7 Deaeration potable water circuit
- 8 Spacer for heat meter (110 mm)
- 9 Spacer for cold water meter (110 mm)
- 10 Derivative temperature control set
- 11 Strainer heating water supply
- 12 Strainer constant temperature heating circuit return
- 13 Draining valve constant temperature heating circuit
- 14 Draining valve variable temperature heating circuit
- 15 Strainer variable temperature heating circuit return
- 16 Heating circuit flow temperature controller, control range 20-50 °C
- 17 Heating circuit pump
- 18 Actuator for time controlled potable water circulation
- 19 Potable water circulation pump
- 20 Flow limiter for the limitation of the maximum potable water draw off capacity (available as accessory)

Potable water dwelling: Supply:
 A Potable water hot C Cold water supply
 B Potable water cold D Heating water supply
 J Circulation return E Heating water return

Heating circuit dwelling
 F Variable temperature heating circuit supply
 G Variable temperature heating circuit return
 H Constant temperature heating circuit return
 I Constant temperature heating circuit supply

“Regudis W-HTF” – full featured model
 With variable temperature heating circuit, high temperature circuit, circulation pipe and derivative temperature control set

Models:

The “Regudis W” product range distinguishes between two standard models which differ in installation depth and function.

“Regudis W-HTU”

(W = Living, H = Heating, T = Hot potable water preparation, U = all connections from below)
 Installation depth between 150 mm and 175 mm.
 With constant temperature heating circuit.
 Ideal for the replacement of existing gas flow heaters during building refurbishment.

“Regudis W-HTF”

(W = Living, H = Heating, T = Hot potable water preparation, F = Flat format)
 With constant and/or variable temperature heating circuit.
 With an installation depth of only 110 mm ideal for installation in lightweight partitioning walls.
 Connection possibility for underfloor heating distributors/collectors.

Technical data:

| | |
|---|------------------------------------|
| Nominal size: | DN 20 |
| Max. operating pressure: | PN 10 |
| Max. operating temperature: (heating water supply) | 90 °C |
| Min. cold water pressure without flow limiter: | 2.0 bar ²⁾ |
| with flow limiter: | 2.5 bar |
| Min. differential pressure supply: | 300 mbar ¹⁾ |
| Draw off temperature $t_{\text{draw off}}$ | 40-70 °C |
| Temperature variable temperature heating circuit: | 20-50 °C |
| Min. flow temperature: | $t_{\text{draw off}} + 15\text{K}$ |

Nominal draw off capacity:

The use of different plate heating exchangers allows for the adaptation of the performance range to the individual requirements.

Performance range 1: Nominal draw off capacity 12 l/min.

Performance range 2: Nominal draw off capacity 15 l/min.

Performance range 3: Nominal draw off capacity 17 l/min.

The nominal draw off capacity depends on the selected performance range and the flow temperature of the heating water. The indicated performance range (nominal draw off capacity 12/ 15/ 17 l/min.) is related to a heating water flow temperature lying 15 K above the set draw off temperature (temperature difference of 15 K). Flow limiters for the limitation of the potable water draw off capacity are available as accessory.

If the temperature difference exceeds 15 K, the effective draw off capacity increases.²⁾

¹⁾ 150 mbar for dwelling stations without integrated differential pressure regulator.

²⁾ Since 01.03.2016, the Oventrop dwelling stations (except for "Regudis W-TU") are no longer supplied with flow limiters for the limitation of the maximum potable water draw off capacity.

Draw off temperature $t_{\text{draw off}}$:

The draw off temperature is adjustable between 40 °C and 70 °C and remains constant within the performance range.

If the nominal draw off capacity is exceeded, $t_{\text{draw off}}$ may drop below the set value.

Plate heat exchanger:

When choosing the dwelling station, the water quality of the application area must be observed.

(A water analysis can be obtained from the local water authority.)

All "Regudis" dwelling stations are also available with nickel brazed heat exchangers. They are used in areas where copper brazed heat exchangers cannot be used, for instance, in mixed installations or areas with aggressive water.

Possible application of copper brazed plate heat exchangers has to be checked.

For further information visit www.oventrop.de/potable_water.

The double-walled heat exchanger with leakage paths offers additional protection of potable water.

Heat meters:

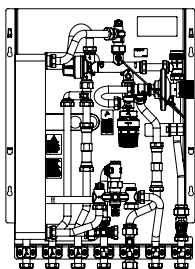
When using a heat meter, it is recommended to only use heat meters with quick sampling rate at one second intervals and with integrated return sensor in the body.

According to the German Energy Saving Directive (EnEV), "Regudis" dwelling stations can be equated with a central hot water preparation with potable water circulation. For further information visit www.oventrop.de.

Further information on request.

For further information see "Technical information".

| Article | Nominal draw off capacity [l/min] | Article-No. | Hint |
|---------|-----------------------------------|-------------|------|
|---------|-----------------------------------|-------------|------|



"Regudis W-HTU" Dwelling stations, depth 150 - 175 mm consisting of:

- Plate heat exchanger
- Proportional flow controller
- Thermostatic temperature controller
- Strainer
- Spacer for heat meter
- Spacer for cold water meter
- Zone valve for heating circuit control
- Differential pressure regulator
- Deaeration
- Draining facility

Heat exchanger copper brazed

| | | |
|---------------------|----------|----------------|
| Performance range 1 | 12 l/min | 1341030 |
| Performance range 2 | 15 l/min | 1341031 |
| Performance range 3 | 17 l/min | 1341032 |

Heat exchanger nickel brazed

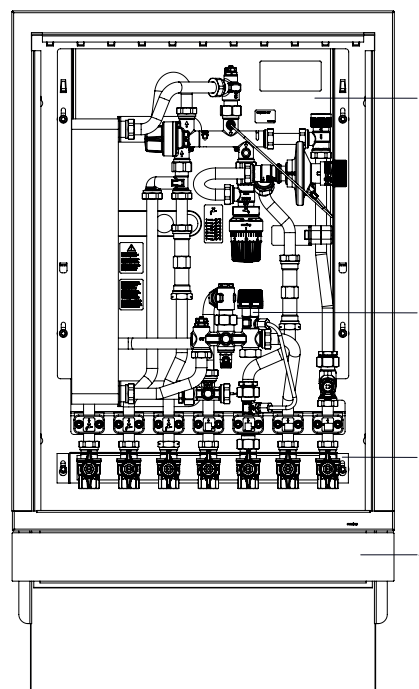
| | | |
|---------------------|----------|----------------|
| Performance range 1 | 12 l/min | 1341050 |
| Performance range 2 | 15 l/min | 1341051 |
| Performance range 3 | 17 l/min | 1341052 |

Dimensions (W x H x D): 476 mm x 630 mm x 150 mm

Dwelling stations "Regudis W-HTU" with constant temperature heating circuit.

Example of a complete station consisting of:

- 1) 1341032 "Regudis W-HTU"
- 2) 1341080 Ball valve connector block
- 3) 1341191 Derivative temperature control set
- 4) 1341070 Flush-mounted cabinet- slim model



6

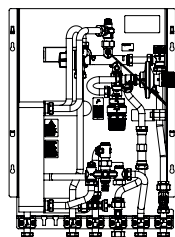
Possible application of copper brazed plate heat exchangers has to be checked. For further information visit www.oventrop.com/to/trinkwasseranforderung.

For further information see "Technical information":



| Article | Nominal draw off capacity [l/min] | Article-No. | Hint |
|---------|-----------------------------------|-------------|------|
|---------|-----------------------------------|-------------|------|

Further models



"Regudis W-HTU"
without cold water outlet dwelling
and without spacer for cold water meter

| | | |
|------------------------------|----------|-----------------|
| Heat exchanger copper brazed | 15 l/min | 1341231 |
| Heat exchanger nickel brazed | 15 l/min | 1341251* |

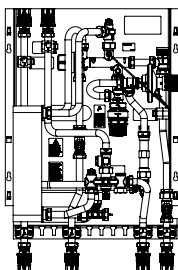
Possible application of copper brazed plate heat exchangers has to be checked. For further information visit www.oventrop.com/to/trinkwasseranforderung.

Dimensions (W x H x D):
476 mm x 630 mm x 150 mm

| | | |
|--|---------|----------------|
| Heat exchanger double-walled copper brazed | 8 l/min | 1341220 |
|--|---------|----------------|

Model with double-walled heat exchanger with leakage paths for the additional protection of potable water.

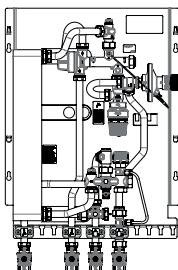
Dimensions (W x H x D):
476 mm x 630 mm x 175 mm



"Regudis W-HTO"
Supply connections from the top,
strainer in the potable water inlet,
without cold water outlet dwelling,
without spacer for cold water meter,
6 ball valves included

| | | |
|-------------------------------|----------|----------------|
| Heat exchanger, copper brazed | 15 l/min | 1341274 |
| Heat exchanger nickel brazed | 15 l/min | 1341271 |

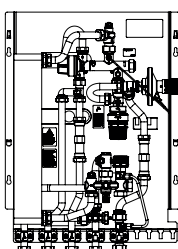
Dimensions (W x H x D):
476 mm x 630 mm x 150 mm



"Regudis W-TU" for hot potable water preparation
without heating circuit,
without cold water outlet dwelling,
without spacer for cold water meter,
without spacer for heat meter,
derivative temperature control set pre-assembled,
4 ball valves included

| | | |
|------------------------------|----------|----------------|
| Heat exchanger copper brazed | 17 l/min | 1341262 |
| Heat exchanger nickel brazed | 17 l/min | 1341252 |

Dimensions (W x H x D):
476 mm x 630 mm x 150 mm

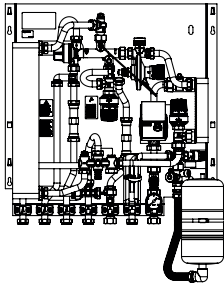


"Regudis W-TU" for hot potable water preparation
without heating circuit,
derivative temperature control set pre-assembled

| | | |
|------------------------------|----------|----------------|
| Heat exchanger copper brazed | 17 l/min | 1341257 |
| Heat exchanger nickel brazed | 17 l/min | 1341267 |

Dimensions (W x H x D):
476 mm x 630 mm x 150 mm

| Article | Nominal draw off capacity [l/min] | Article-No. | Hint |
|---------|-----------------------------------|-------------|------|
|---------|-----------------------------------|-------------|------|



"Regudis W-HTU Duo" with heating circuit separation system
consisting of:

- 2 plate heat exchangers
- Proportional flow controller
- Thermostatic temperature controller
- Strainer
- Spacer for heat meter
- Spacer for cold water meter
- Zone valve for heating circuit control
- Differential pressure regulator
- Wilo pump Yonos PARA RS 15/1-6 RKA
- Diaphragm expansion tank 3 l
- Safety valve 3 bar
- Pressure gauge
- Deaeration
- Draining facility

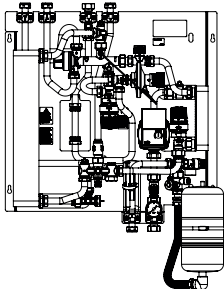
The "Regudis W-HTU Duo" dwelling station features two plate heat exchangers.

The additional heat exchanger on the heating side allows the separation of the supply system (primary circuit) and the heating circuit of the dwelling (secondary circuit).

Heating circuit temperature control range: 40 °C up to 70 °C

Maße (W x H x D):
630 mm x 630 mm x 150 mm

| | | |
|---------------------------------|----------|----------------|
| Heat exchanger copper brazed | 17 l/min | 1341332 |
|---------------------------------|----------|----------------|



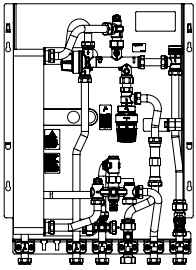
"Regudis W-HTO Duo" with heating circuit separation system

Potable water connections and supply connections from the top, without cold water outlet dwelling, derivative temperature control set cannot be integrated

Dimensions (W x H x D):
630 mm x 630 mm x 165 mm

Possible application of copper brazed plate heat exchangers has to be checked. For further information visit www.oventrop.com/to/trinkwasseranforderung.

| | | |
|---------------------------------|----------|----------------|
| Heat exchanger copper brazed | 17 l/min | 1341372 |
|---------------------------------|----------|----------------|

| Article | Nominal draw off capacity [l/min] | Article-No. | Hint | |
|---|---|-------------|--|----------------|
|  | "Regudis W-HTU Basic" Dwelling stations, depth 150 - 175 mm without differential pressure regulator, without cold water outlet dwelling and without spacer for cold water meter | | <p>Contrary to the standard model, the "Regudis W-HTU Basic" is supplied without integrated differential pressure regulator and without cold water outlet.</p> <p>The demands on comfort and energy efficiency of the hot potable water preparation are still fulfilled by the combination consisting of proportional flow controller and temperature controller.</p> <p>Hydronic balancing of up to 5 dwelling stations connected to one riser can be carried out with the help of a differential pressure regulator "Hycocon DTZ" installed in the riser.</p> <p>Dimensions (W x H x D): 476 mm x 630 mm x 150 mm</p> <p>The model with double-walled heat exchanger with leakage paths offers additional protection of potable water. Dimensions (W x H x D): 476 mm x 630 mm x 175 mm</p> <p>Possible application of copper brazed plate heat exchangers has to be checked. For further information visit www.oventrop.com/to/trinkwasseranforderung.</p> | |
| | Heat exchanger copper brazed | | | |
| | Performance range 1 | 12 l/min | | 1340930 |
| | Performance range 2 | 15 l/min | | 1340931 |
| | Performance range 3 | 17 l/min | | 1340932 |
| | Heat exchanger nickel brazed | | | |
| | Performance range 1 | 12 l/min | | 1340950 |
| | Performance range 2 | 15 l/min | | 1340951 |
| | Performance range 3 | 17 l/min | | 1340952 |
| | Heat exchanger double-walled copper brazed | 8 l/min | | 1340920 |

| Article | Nominal draw off capacity [l/min] | Article-No. | Hint |
|---------|-----------------------------------|-------------|------|
|---------|-----------------------------------|-------------|------|

"Regudis W-HTF" Dwelling stations, depth 110 mm

consisting of:

- Plate heat exchanger
- Proportional flow controller
- Thermostatic temperature controller
- Strainer
- Stainless steel spacer for heat meter
- Stainless steel spacer for cold water meter
- Zone valve for heating circuit control
- Differential pressure regulator
- Deaeration
- Draining facility

alternatively with variable temperature heating circuit (fixed value control via heating circuit pump) or constant temperature heating circuit.

Dimensions: 565 x 655 mm constant temperature heating circuit

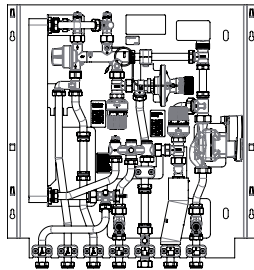
Dimensions: 630 x 655 mm variable temperature heating circuit

Dwelling station "Regudis W-HTF" with variable temperature heating circuit for flow temperature control when using an underfloor heating.

Flow temperature setting: 20 °C up to 50 °C

Example of a complete station consisting of:

- 1) 1341140 "Regudis W-HTF"
- 2) 1341180 Ball valve connector block
- 3) 1341191 Derivative temperature control set
- 4) 1341175 Cabinet - long model
- 5) 1405358 "Multidis SF" 8-fold stainless steel distributor/collector
- 6) 1341187 Connection set for stainless steel distributor/collector



"Regudis W-HTF"

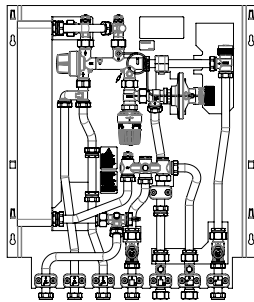
with variable temperature heating circuit, fixed value control, Wilo pump Yonos PARA RS 15/1-6 RKA

Heat exchanger copper brazed

| | | |
|---------------------|----------|----------------|
| Performance range 1 | 12 l/min | 1341140 |
| Performance range 2 | 15 l/min | 1341141 |
| Performance range 3 | 17 l/min | 1341142 |

Heat exchanger nickel brazed

| | | |
|---------------------|----------|----------------|
| Performance range 1 | 12 l/min | 1341160 |
| Performance range 2 | 15 l/min | 1341161 |
| Performance range 3 | 17 l/min | 1341162 |



"Regudis W-HTF"

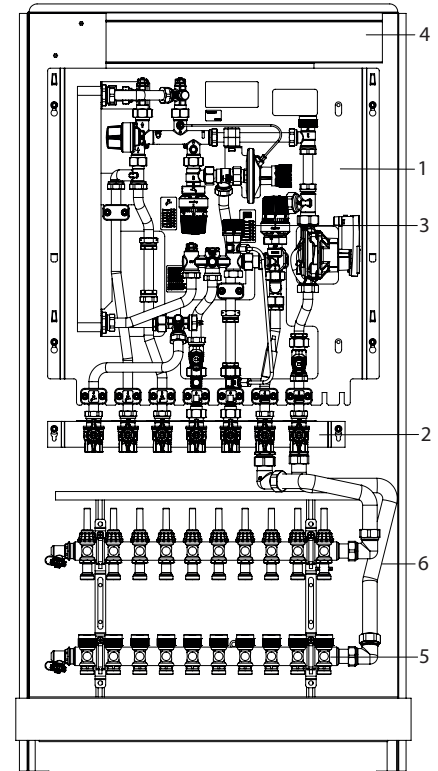
with constant temperature heating circuit

Heat exchanger copper brazed

| | | |
|---------------------|----------|----------------|
| Performance range 1 | 12 l/min | 1341130 |
| Performance range 2 | 15 l/min | 1341131 |
| Performance range 3 | 17 l/min | 1341132 |

Heat exchanger nickel brazed

| | | |
|---------------------|----------|----------------|
| Performance range 1 | 12 l/min | 1341150 |
| Performance range 2 | 15 l/min | 1341151 |
| Performance range 3 | 17 l/min | 1341152 |



Components for underfloor heating control: product range 2

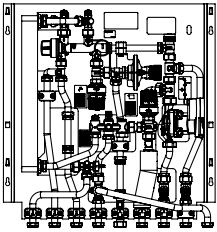
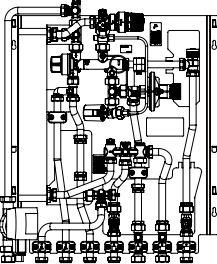
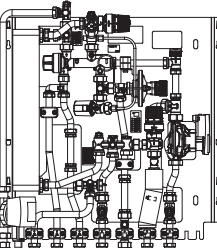
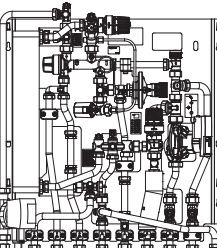
All stations are available with copper or nickel brazed heat exchanger.

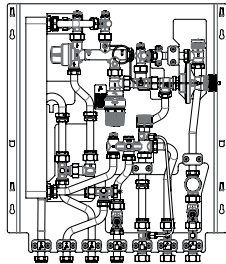
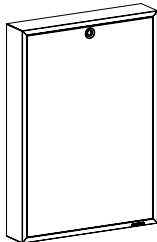
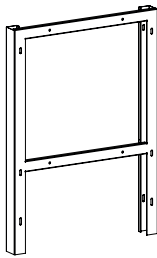

Further models on request.

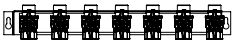
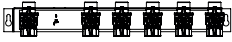


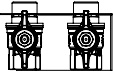

Possible application of copper brazed plate heat exchangers has to be checked. For further information visit www.oventrop.com/to/trinkwasseranforderung.

For further information see "Technical information":



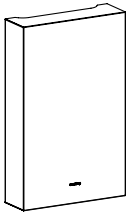
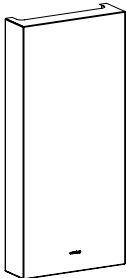
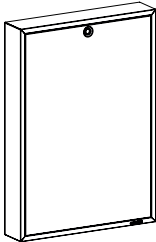

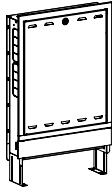
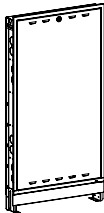
| Article | Nominal draw off capacity [l/min] | Article-No. | Hint | |
|---|---|-------------|---|---|
|  | "Regudis W-HTF" with variable temperature heating circuit and high temperature circuit, Wilo pump Yonos PARA RS 15/1-6 RKA | | As "Regudis W-HTF" with variable temperature heating circuit, but with additional outlet for a radiator circuit. | |
| | Heat exchanger copper brazed | | | |
| | Performance range 1 | 12 l/min | 1341340 | |
| | Performance range 2 | 15 l/min | 1341341 | |
| | Performance range 3 | 17 l/min | 1341342 | |
| | Heat exchanger nickel brazed | | | |
| | Performance range 1 | 12 l/min | 1341360 | |
| | Performance range 2 | 15 l/min | 1341361 | |
| | Performance range 3 | 17 l/min | 1341362 | |
|  | "Regudis W-HTF" with constant temperature heating circuit and circulation pipe, Potable water circulation pump: Wilo Star Z Nova C | | As "Regudis W-HTF" with constant temperature heating circuit, but with additional time controlled potable water circulation pump. | |
| | Heat exchanger copper brazed | | | |
| | Performance range 3 | 17 l/min | 1341642* | |
|  | "Regudis W-HTF" with variable temperature heating circuit and circulation pipe, Wilo pump Yonos PARA RS 15/1-6 RKA Potable water circulation pump: Wilo Star Z Nova C | | As "Regudis W-HTF" with variable temperature heating circuit, but with additional time controlled potable water circulation pipe. | |
| | Heat exchanger copper brazed | | | |
| | Performance range 3 | 17 l/min | 1341442 | |
|  | "Regudis W-HTF" with variable temperature heating circuit, high temperature circuit and circulation pipe, Wilo pump Yonos PARA RS 15/1-6 RKA Potable water circulation pump: Wilo Star Z Nova C | | As "Regudis W-HTF" with variable temperature heating circuit, but with additional outlet for a radiator circuit and time controlled potable water circulation pipe. | |
| | Heat exchanger copper brazed | | | |
| | Performance range 3 | 17 l/min | 1341542 | Possible application of copper brazed plate heat exchangers has to be checked. For further information visit www.oventrop.com/to/trinkwasseranforderung . |
| Heat exchanger nickel brazed | | | | |
| | Performance range 3 | 17 l/min | 1341562 | |

| Article | Nominal draw off capacity [l/min] | Article-No. | Hint |
|---|---|--|--|
|  | <p>"Regudis W-HTF" - GSWB Similar to "Regudis W-HTF" with constant temperature heating circuit, item no. 1341131, but additionally with spacer for cold and hot water meter, no potable water priority function, derivative temperature control set pre-assembled, return temperature imiter in the heating circuit</p> | | <p>Possible application of copper brazed heat exchangers has to be checked. For further information visit www.oventrop.com/to/trinkwasseranforderung</p> <p>Dimensions (W x H x D) 565 mm x 655 mm x 110 mm</p> |
| <p>Heat exchanger copper brazed</p> | <p>15 l/min</p> | <p>1341121</p> | |
| <p>Accessories for "Regudis W-HTF" - GSWB</p> | | | |
|  | <p>Surface-mounted cover with door steel, galvanised, white powder coated</p> | | <p>Dimensions (W x H x D): 590 mm x 830 mm x 120 mm</p> |
| | <p>1341195</p> | <p>Frame closed on all sides, flush-mounted model.</p> | |
|  | <p>Refurbishment frame</p> | | <p>Dimensions (W x H X D): 590 mm x 830 mm x 60 mm</p> |
| | <p>1341196</p> | | |
|  | <p>Ball valve connector block</p> | | <p>7 angle pattern ball valves mounted onto a bracket for the isolation of all connections of the "Regudis W" station, corrugated pipe for a flexible device connection included. Connection to the pipework: G 3/4 female thread</p> |
| | <p>1341182</p> | | |






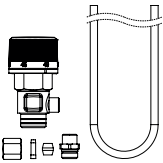
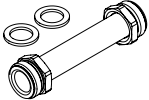
| Article | Article-No. | Hint |
|--|----------------|---|
| "Regudis W-HTU" Ball valve connector blocks | | |
|  Ball valve connector block | 1341080 | For the isolation of all connections of the "Regudis" stations. Connection to the pipework: G 3/4 female thread 7 ball valves mounted onto a bracket |
|  Ball valve connector block without cold water outlet dwelling | 1341084 | 6 ball valves mounted onto a bracket |
|  Ball valve connector block without heating circuit connection dwelling | 1341083 | 5 ball valves mounted onto a bracket |
|  Ball valve connector block with flushing function of the supply pipe | 1341082 | Ball valve connector block consisting of ball valves and "Flypass" connection fitting. 5 ball valves and "Flypass" connection fitting mounted onto a bracket for the isolation of all connections of the "Regudis W" station. The Oventrop "Flypass" connection fitting is used for the isolation and flushing of the flow and return pipework serving the "Regudis" station. The connection fitting can be converted to bypass operation. Connection to the pipework: G 3/4 female thread |
| "Regudis W-HTF" Ball valve connector blocks | | |
|  Ball valve connector block | 1341180 | 7 ball valves mounted onto a bracket for isolation of all connections of the "Regudis W" station. Connection to the pipework: G 3/4 female thread |
|  Ball valve connector block with flushing function of the supply pipe | 1341185 | Ball valve connector block consisting of ball valves and "Flypass" connection fitting. 5 ball valves and "Flypass" connection fitting mounted onto a bracket for the isolation of all connections of the "Regudis W-HTF" station. The Oventrop "Flypass" connection fitting is used for the isolation and flushing of the flow and return pipework serving the "Regudis" station. The connection fitting can be converted to bypass operation. Connection to the pipework: G 3/4 female thread |
|  Ball valve connection set high temperature connection | 1341183 | 2 ball valves mounted onto a bracket for the isolation of the high temperature connection of the "Regudis W-HTF" station. Connection to the pipework: G 3/4 female thread |
|  Ball valve connection set circulation pipe | 1341184 | 1 ball valve mounted onto a bracket for the isolation of the circulation pipe of the "Regudis W-HTF" station. Connection to the pipework: G 3/4 female thread |
|  Replacement ball valve | | |
| Ball valve for the supply pipe: red handle | 1341980 | For "Regudis W-HTU" and "Regudis W-HTF" ball valve connector blocks. G 3/4 male thread x G 3/4 female thread |
| Ball valve for the return pipe: blue handle | 1341981 | |

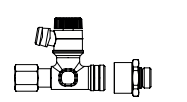
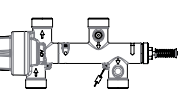



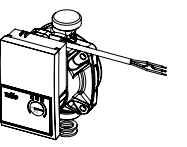
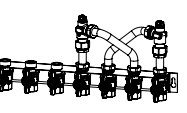
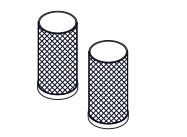
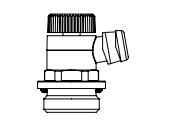

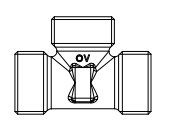
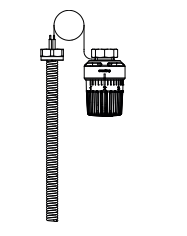
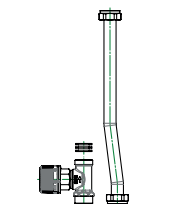
Covers and cabinets for dwelling stations

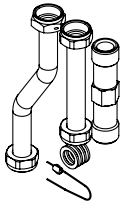
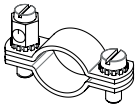
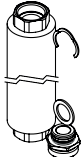
| | Item no. | Catalogue page | Covers | | | | | | Cabinets | | | | | | | |
|----|---------------|----------------|---------|---------|---------|---------|---------|---------|----------------|---------|---------|---------|------------------|---------|---------|---|
| | | | 1341095 | 1341097 | 1341195 | 1341197 | 1341295 | 1341296 | Flush mounting | | | | Surface mounting | | | |
| | | | | | | | | 1341070 | 1341170 | 1341175 | 1341177 | 1341071 | 1341198 | 1341072 | 1341074 | |
| 1 | 1340920 | 6.82 | | | | | | x | | | | | | | | |
| 2 | 1340930/31/32 | 6.82 | x | x | | | | | x | | x | x | | x | | x |
| 3 | 1340950/51/52 | 6.82 | x | x | | | | | x | | x | x | | x | | x |
| 4 | 1341030/31/32 | 6.79 | x | x | | | | | x | | x | x | | x | | x |
| 5 | 1341050/51/52 | 6.79 | x | x | | | | | x | | x | x | | x | | x |
| 6 | 1341121 | 6.85 | | | x | | | | | | x | x | x | x | | |
| 7 | 1341130/31/32 | 6.83 | | | x | | | | | x | x | x | x | x | | x |
| 8 | 1341140/41/42 | 6.83 | | | | x | | | | x | x | x | x | x | | |
| 9 | 1341150/51/52 | 6.83 | | | x | | | | | x | x | x | x | x | | x |
| 10 | 1341160/61/62 | 6.83 | | | | x | | | | x | x | x | x | x | | |
| 11 | 1341220 | 6.80 | | | | | | x | x | | | | | | | |
| 12 | 1341231 | 6.80 | x | x | | | | | x | | x | x | | x | | x |
| 13 | 1341252 | 6.80 | x | x | | | | | x | | x | x | | x | | x |
| 14 | 1341257 | 6.80 | x | x | | | | | x | | x | x | | x | | x |
| 15 | 1341262 | 6.80 | x | x | | | | | x | | x | x | | x | | x |
| 16 | 1341271 | 6.80 | | | | | | x | | | | | | | | |
| 17 | 1341274 | 6.80 | | | | | | x | | | | | | | | |
| 18 | 1341332 | 6.81 | | | | | | | | | x | x | x | x | | |
| 19 | 1341340/41/42 | 6.84 | | | | x | | | | x | x | x | x | x | | |
| 20 | 1341360/61/62 | 6.84 | | | | x | | | | x | x | x | x | x | | |
| 21 | 1341372 | 6.81 | | | | | | | | | | | | | x | x |
| 22 | 1341442/62 | 6.84 | | | | | | | | x | x | x | | x | | |
| 23 | 1341542/62 | 6.84 | | | | | | | | x | x | x | | x | | |
| 24 | 1341642/62 | 6.84 | | | | | | | | x | x | x | | x | | |

| Article | Packing unit | Article-No. | Hint |
|---|--|---------------------|---|
| Surface-mounted covers | | | |
|  | steel, galvanised white lacquered | 1341095 | Dimensions (W x H x D): 496 mm x 800 mm x 160 mm |
| | stainless steel with "anti-fingerprint" coating | 1341097 | Dimensions (W x H x D): 496 mm x 800 mm x 160 mm |
| | steel, galvanised, white powder coated, for "Regudis W-HTU" with double-walled heat exchanger | 1341296 | Dimensions (W x H x D): 496 mm x 800 mm x 185 mm |
|  | Long model steel, galvanised, white powder coated, pipe cutouts at the top and bottom | 1341295 | Dimensions (W x H x D): 496 mm x 1100 mm x 160 mm |
| | | | |
|  | Surface-mounted cover with door steel, galvanised, white powder coated | 1341195 | Dimensions (W x H x D): 590 mm x 830 mm x 120 mm Frame closed on all sides, flush-mounted model. |
| | | | |
|  | steel, galvanised, white powder coated | 1341197 | Dimensions (W x H x D): 645 mm x 800 mm x 120 mm |
| Cabinets - flush mounting | | | |
| Body steel, galvanised door, frame and plinth white powder coated, removable plinth | | | |
|  | Slim model, adjustable height and depth | 1341070 | Dimensions (W x H x D): 560 mm x 870-1075 mm x 150-215 mm |
| | Wide model, adjustable height and depth | (10) 1341170 | Dimensions (W x H x D): 700 mm x 985-1105 mm x 115-180 mm |
|  | Long model for direct installation of dwelling stations and stainless steel distributors/collectors "Multidis SF" | | Suitable stainless steel distributors/collectors "Multidis SF": page 2.58 |
| | for stainless steel distributors/collectors for up to 10 circuits | 1341175 | Dimensions (W x H x D): 700 mm x 1440-1565 mm x 115-180 mm |
| | for stainless steel distributors/collectors for up to 12 circuits | 1341177* | Dimensions (W x H x D): 880 mm x 1440-1565 mm x 115-180 mm |

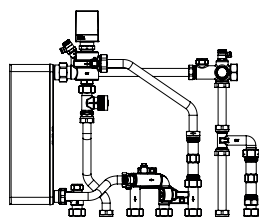
| Article | Article-No. | Hint |
|--|--|--|
| <p>Cabinets - surface mounting Body steel, galvanised door, frame and plinth white powder coated, removable plinth</p> | | |
|  | Standard model 1341071 | Dimensions (W x H x D): 700 mm x 980 - 1105 mm x 160 mm |
|  | Long model for direct installation of dwelling stations and stainless steel distributors/collectors "Multidis SF" 1341198 | Dimensions (W x H x D): 700 mm x 1440 - 1565 mm x 160 mm Suitable stainless steel distributors/collectors "Multidis SF" (up to 10 circuits): page 2.58 |
|  | Model for wall attachment, pipe cutouts at the top and bottom 1341072 | Dimensions (W x H x D): 750 mm x 1000 mm x 175 mm |
|  | Long model pipe cutouts at the top and bottom 1341074* | Dimensions (W x H x D): 750 mm x 1523-1648 mm x 175 mm Suitable stainless steel distributors/collectors "Multidis SF" (up to 12 circuits): page 2.58 |
|  | "Regubox" Exclusive cabinet with white, frameless, opaque and lockable glass door Frame surface made of brushed stainless steel, without rear wall Surface-mounted model for dwelling stations "Regudis W-HTU" and "Regudis W-HTF" with constant temperature heating circuit and for stainless steel distributors/ collectors "Multidis SF" with a maximum of 6 heating circuit connections (angle pattern connection set, item no. 1404780, taken into account) 1341098 | Dimensions (W x H x D): 630 mm x 900 mm x 170 mm The mounting set for installation during construction for floor-standing installation (item no. 1341099) or wall attachment (item no. 1341199) is to be ordered separately. Awards: DESIGN PLUS ISH Frankfurt 2015  ICONIC AWARDS 2015  GERMAN DESIGN AWARD SPECIAL 2016  iF Design Award 2016 |
|  | Mounting set for installation during construction for "Regubox" steel sheet, galvanised Floor-standing installation, adjustable height 1341099 | Only for "Regubox", item no. 1341098. |
|  | Wall attachment 1341199 | With screen for covering the lower connection channel of the "Regubox" in case of wall attachment. |

| Article | Packing unit | Article-No. | Hint |
|---|--|---------------------|---|
| "Regudis W-HTU" Heat exchangers | | | |
|  | Heat exchanger copper brazed | | Heat exchanger for "Regudis W-HTU" dwelling stations. Connections: G 3/4, flat sealing |
| | Performance range 1 12 l/min - 24 plates | 1341280 | Possible application of copper brazed plate heat exchangers has to be checked. For further information visit www.oventrop.com/to/trinkwasseranforderung . |
| | Performance range 2 15 l/min - 30 plates | 1341281 | |
| | Performance range 3 17 l/min - 30 plates | 1341282 | |
| | Heat exchanger nickel brazed | | |
| | Performance range 1 12 l/min - 24 plates | 1341290 | |
| | Performance range 2 15 l/min - 30 plates | 1341291 | |
| | Performance range 3 17 l/min - 30 plates | 1341292 | |
| "Regudis W-HTF" Heat exchangers | | | |
|  | Heat exchanger copper brazed | | Heat exchanger for "Regudis W-HTF" dwelling stations. Connections: G 3/4, flat sealing |
| | Performance range 3 17 l/min - 30 plates | 1341282 | Possible application of copper brazed plate heat exchangers has to be checked. For further information visit www.oventrop.com/to/trinkwasseranforderung . |
| | Performance range 1 12 l/min - 16 plates | 1341283 | |
| | Performance range 2 15 l/min - 20 plates | 1341284 | |
| | Heat exchanger nickel brazed | | |
| | Performance range 3 17 l/min - 30 plates | 1341292 | |
| | Performance range 1 12 l/min - 16 plates | 1341383 | |
| | Performance range 2 15 l/min - 20 plates | 1341384 | |
| Plugs for temperature sensor | | | |
|  | G 1/2 M x M 12 x 1.5 M, Ø 6.2 | (25) 1349053 | |
|  | G 1/2 M x M 10 x 1.0 F Ø 5.6 | (25) 1349051 | For temperature sensor with connection thread M 10 x 1. |
|  | G 1/4 M x M 10 x 1.0 F, Ø 5.6 | (25) 1349054 | For temperature sensor with connection thread M 10 x 1.0 in dwelling stations with high temperature circuit. |
|  | Derivative temperature control set for stations with mounted brass distributor/collector | | For maintaining the flow temperature in the "Regudis W" station to guarantee a quick supply of hot potable water outside the heating period. |
| | ready for installation for "Regudis W-HTU/TU" | 1341088* | |
| | ready for installation for "Regudis W-HT" | 1341089* | |
| | ready for installation for "Regudis W-HTF" | 1341188* | |
| | for universal application, not pre-assembled | 1341191 | |
|  | Stainless steel spacer G 3/4 x 110 mm | 1349052 | For replacement of the plastic spacers for cold water and heat meters. |

| Article | Packing unit | Article-No. | Hint | |
|---|--------------|--|---|---|
|  | (10) | 1341094 | For a simple draining of the heating circuit when installing a heat meter. | |
|  | | 1343050 | Spare part for "Regudis W" dwelling stations except for GSWB model, "Regudis W-TU" and "Regudis" with circulation pipe manufactured up to 2016. | |
| Flow limiter | | | For the limitation of the maximum potable water draw off capacity. | |
|  | (25) | 1349980 | Since 01.03.2016, flow limiters for the limitation of the maximum potable water draw off capacity are no longer mounted at works. | |
|  | (25) | 1349981 | | |
|  | (25) | 1349982 | | |
|  | | Wilo-Yonos PARA RS 15/6 RK | 1349097* | As replacement for the dwelling stations "Regudis W-HTF" with variable temperature heating circuit. |
|  | | Flushing and bridging fitting | 1341189* | For flushing of the heating system. |
|  | | Filter insert Set = 2 pieces | 1349098 | |
|  | | Draining valve | 1349099 | |
|  | | Connection set for stainless steel distributor/collector "Multidis SF" | 1341187 | For the connection of the "Regudis W-HTF" dwelling station to the "Multidis SF" stainless steel distributor/collector. |
|  | | T-piece | 1685121* | 2 T-pieces allow for the connection of two stainless steel distributors/collectors to one connection set. |
|  | | Temperature sensor with spiral sensor made of stainless steel | 1343092 | |
|  | | Return temperature limiter set heating circuit | 1341091 | For temperature limitation of the heating return temperature (control range 0 - 40 °C). Only suitable for "Regudis W-HTU" and "Regudis W-HT". |

| Article | Packing unit | Article-No. | Hint |
|---|--------------|----------------|---|
|  | | 1341093 | For subsequent installation of a cold water meter to the dwelling. For stations with cold water outlet. Only suitable for "Regudis W-HTU", "Regudis W-HTU Duo" and "Regudis W-TU". |
|  | (50) | 1341092 | For equipotential bonding of the dwelling station. |
|  | | 1341081 | Set consisting of 7 corrugated hoses which may be cut to required length for a flexible connection. |

| Article | Nominal draw off capacity [l/min] | Article-No. | Hint |
|---------|-----------------------------------|-------------|------|
|---------|-----------------------------------|-------------|------|



"Regudis W-HTE" Dwelling stations - electronic control, depth 110 mm

- consisting of:
- Plate heat exchanger
 - Control valve with integrated differential pressure and flow control
 - Actuator with integrated potable water temperature control
 - Flow and temperature sensors
 - Strainer
 - Spacer for heat meter
 - Spacer for cold water meter
 - Connection facility for return temperature sensor of the heat meter (M 10 x 1)
 - Dearation/draining facility

Heat exchanger copper brazed

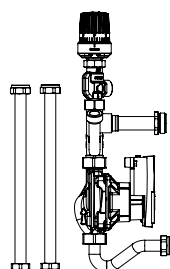
| | | |
|---------------------|----------|-----------------|
| Performance range 1 | 12 l/min | 1344030* |
| Performance range 2 | 18 l/min | 1344031* |
| Performance range 3 | 25 l/min | 1344032* |

Heat exchanger completely made of stainless steel

| | | |
|---------------------|----------|-----------------|
| Performance range 1 | 12 l/min | 1344050* |
| Performance range 2 | 18 l/min | 1344051* |
| Performance range 3 | 25 l/min | 1344052* |

Extension modules for "Regudis W-HTE"

Flow temperature control module for surface heating systems

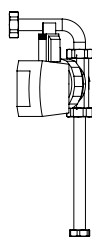


For the extension of the "Regudis W-HTE" station by a thermostatic flow temperature control for surface heating circuits.
 Flow temperature control range: 20 °C - 50 °C

- consisting of:
- High-efficiency pump Wilo-Yonos PARA RS 15/1-6 RKA
 - Thermostatic temperature controller with contact sensor
 - Connection set for stainless steel distributor/collector "Multidis SF"

1344550*

Potable water circulation module



For the extension of the "Regudis W-HTE" station by a time controlled potable water circulation function.

- consisting of:
- High-efficiency pump Wilo Star Z Nova
 - Timer
 - Pipe connection set

1344555*

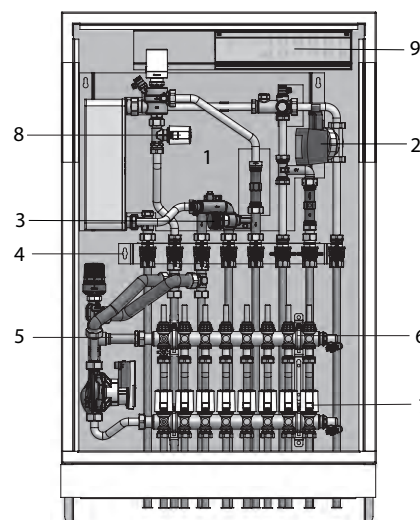
Heat transmission station with electronic control for the supply of hot and cold potable water as well as heating water to a dwelling.

The performance ranges for the draw off volume flow are reached at a heating water flow temperature set 5 K above the draw off temperature.

The modular construction of the "Regtronic W-HTE" station allows upgrading the functional range with the help of the below extension modules.

Technical data:
 Nominal size: DN 20
 Pressure rating: PN 16
 Max. operating temperature: 90 °C
 Draw off temperature: 40 °C - 70 °C

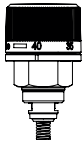
System illustration:



- 1) "Regudis W-HTE" Dwelling station
- 2) Potable water circulation module
- 3) Derivative temperature control set
- 4) Ball valve connector block
- 5) Flow temperature control module
- 6) "Multidis SF" Stainless steel distributor/collector
- 7) Actuator surface heating
- 8) Actuator zone valve
- 9) Connecting block for room thermostats and actuators

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|

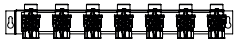
Accessories for "Regudis W-HTE"



Derivative temperature control set

1344490*

For maintaining the flow temperature to guarantee a quick supply of hot potable water outside the heating period.

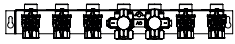


Ball valve connector blocks

for the isolation of all connections of the "Regudis W-HTE" station

7 ball valves mounted onto a bracket

1344480*

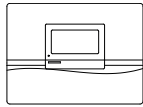


with flushing function of the supply pipe
5 ball valves and "Flypass" connection
fitting mounted onto a bracket

1344485*

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|

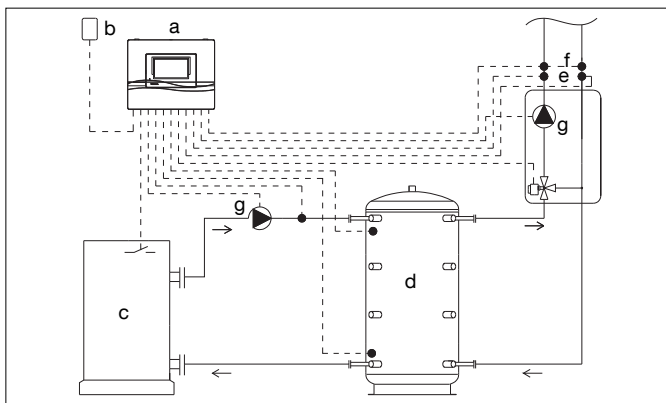
"Regtronic RD-W" System controller



1342093

For the control engineered integration of the dwelling stations "Regudis W" into the heat supply.
The controller offers the following control options:
-Buffer storage cylinder loading
-Flow temperature control with heat demand recognition
-Differential pressure control of the heating circuit pump with heat demand recognition
Furthermore, the flow and buffer storage cylinder temperatures as well as the differential pressure can be set back according to adjustable timed programmes, for instance overnight.

6

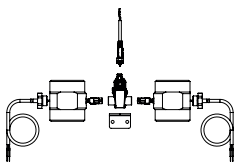


System illustration "Regtronic RD-W"

- a "Regtronic RD-W" System controller
- b Outdoor sensor
- c Heat generator
- d Buffer storage cylinder
- e Flow and return temperature sensor
- f Differential pressure sensor
- g Pump (speed controlled via 0-10 V interface)

Accessories for system controller "Regtronic RD-W"

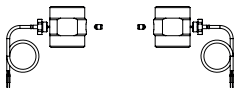
Sensor connection set "Regumat" for system controller "Regtronic RD-W"



consisting of: **1357291***
2 x Adapter G 2 male x G 2 male
1 x Differential pressure sensor
2 x Temperature sensor PT 1000

For the connection of differential pressure and temperature sensors to the pipework.

Sensor connection set "Regumat" for system controller "Regtronic RD-W"



consisting of: **1357292***
2 x Adapter G 2 male x G 2 male
2 x Temperature sensor PT 1000

As item no. 1357291, but without differential pressure sensor.

Fitting

R 2 male x G 2 collar nut **1352089***

For connection to a "Regumat" DN 40/50.

Coupling

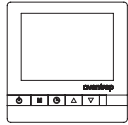
2 x G 2 collar nut **1352088***

For connection to a "Regumat" DN 32.

| Article | Packing unit | Article-No. | Hint |
|---------|--------------|-------------|------|
|---------|--------------|-------------|------|

Electronic control components for the constant temperature heating circuit

Room thermostat - flush mounting (heating)

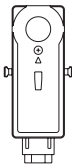


230 V (40) **1152561**

With LCD display and adjustable timed programme.
 In combination with a two point actuator, e.g. item no. 1012415, the room thermostat can be used for the timed control of the **constant temperature heating circuit** of the dwelling of a "Regudis" station.

Electronic control components for the variable temperature heating circuit

"Sensor LW TH" Electric sensor attached to the pipe with concealed temperature setting

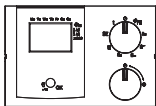


Control range 20-90 °C **1143000**

For max. limitation of the flow temperature of surface heating systems.

"Regtronic EH" Heating circuit controller

with 1 outdoor sensor and 3 additional sensors (NTC 5000)

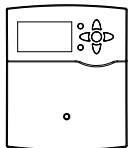


230 V **1152092°**

In combination with a three point actuator, the heating circuit controllers allow for weather guided control of the **variable temperature heating circuit** of the dwelling of the "Regudis" dwelling stations.

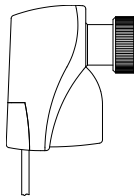
"Regtronic RH" Heating circuit controller

with 1 outdoor sensor and 3 additional sensors (PT 1000)



1152093

"Aktor M" Electromotive actuators
 connection thread M 30 x 1.5
 with manual setting, adjustable mode of operation



"ST L", 24 V, modulating proportional actuator, 0-10 V, automatic anti-blocking function and recognition of neutral point, multiple characteristic lines adjustable **1012705**

"3P L", 24 V, three point actuator, without anti-blocking function **1012708**

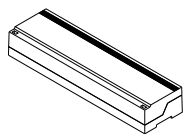
"3P H", 230 V, three point actuator, without anti-blocking function, mode of operation not adjustable **1012709**

In combination with a heating circuit controller, the actuators allow for weather guided control of the **variable temperature heating circuit** of the dwelling of the "Regudis" dwelling stations.

Remote control with room temperature sensor PT 1000 **1152096**



Remote control with room temperature sensor PT 1000 for the connection to the electronic controllers "Regtronic RH, RM and RS" for a comfortable control of the heating curve of the controller from the living area. When increasing the heating curve, the flow temperature is increased and vice versa. The remote control also features the functions "heating circuit off" and "party position".

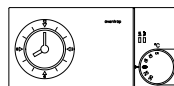


Connecting block (10 control zones) for room thermostats and actuators

230 V, heating/cooling, pump control (25) **1400981**

For the connection of up to 10 room thermostats and actuators for individual room temperature control.
For the additional control of the pump for the variable temperature heating circuit inside the dwelling station.

Room thermostat-clock - surface mounting (heating)



with daily setting

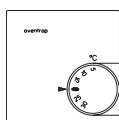
230 V (78) **1152551**

with weekly setting

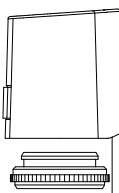
230 V (78) **1152552**

The room thermostat allows setback operation. The setback periods can be passed onto the room thermostat 1152051 via the connecting block 1400981.

Room thermostat - surface mounting (heating)



230 V (25) **1152051**



"Aktor T 2P" Electrothermal actuators (two point)
connection thread M 30 x 1.5

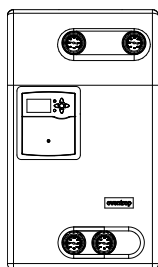
"H NC", closed with current "off", 230 V **1012415**

"H NC", closed with current "off", 230 V cable 2 m long **1012452**

For individual room temperature control in combination with the connecting block, item no. 1400981.

For zone control in combination with the room thermostat, item no. 1152561.

Further room thermostats and actuators: see product range 2

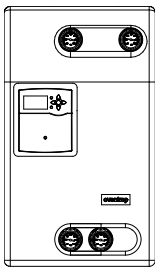


6.i "Regumaq X/XZ/XH/K" Stations for hot potable water preparation

Content

| | |
|--|-------|
| "Regumaq X-30" - without circulation connection | 6.100 |
| "Regumaq XZ-30" - with circulation connection | 6.100 |
| "Regumaq XZ-30" - with circulation connection and high-efficiency circulation pump | 6.101 |
| Heat exchangers | 6.102 |
| "Regumaq K" Cascade control set for "Regumaq X/XZ-30" | 6.103 |
| Accessories for "Regumaq X-/XZ-30" | 6.104 |
| "Regumaq X-80" | 6.107 |
| Accessories for "Regumaq X-80" | 6.107 |
| "Regumaq XH" | 6.110 |
| Accessories for "Regumaq XH" | 6.111 |

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|



"Regumaq X-30" - without circulation connection

Station for hot potable water preparation with electronic controller "Regtronic RQ" with full graphic display and data output (S-bus)

with Wilo high-efficiency pump Yonos PARA RS 130 15/7 PWM2 for the buffer side
 Heat exchanger: 30 plates

Discharge capacity: 2 - 45 l/min. depending on the set potable water temperature and the existing water temperature inside the buffer storage cylinder

Control range of potable water temperature: 20 °C - 60 °C

Connections: G 1 flat sealing for the connection to the buffer and potable water circuit

Potable water circuit: with flow sensor, safety valve 10 bar, electronic resistance thermometer, 2 fill and drain cocks, ball valves and thermometer

Buffer circuit: Fill and drain cocks, ball valves with and without check valve and thermometer, circulation pump

Dimensions (outer dimensions of insulation):
 Width: 500 mm
 Height: 860 mm
 Depth: 260 mm

| | |
|--|----------------|
| Model with copper brazed heat exchanger | 1381030 |
| Model with heat exchanger completely made of stainless steel | 1381032 |

Application:
 Electronically controlled product assembly with heat exchanger for the hygienic heating of potable water according to the continuous flow principle.

The potable water is only heated at the moment when it is needed, i. e. "just in time". The stations are especially suitable for detached and semi-detached houses. They are connected to buffer storage cylinders which are heated up by solar energy, solid fuels, gas or oil.

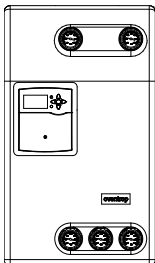
Depending on the temperature and the volume flow on the potable water side, the circulation pump on the heating side is speed regulated. The plate heat exchanger complies with the specifications of the European Pressure Equipment Directive (PED).

Due to the turbulent flow, a good self-cleaning effect avoiding a contamination is achieved. The plate heat exchanger can be flushed using the fill and drain cocks integrated in the primary and secondary circuit.

The potable water circuit is protected by a 10 bar safety valve.

The components of the heat exchanger system have flat sealing connections, are pre-assembled on a mounting board and leak tested.

The controller is wired up with the internal electric components and features a data bus (S-bus) for the connection to the data logger "CS-BS".



"Regumaq XZ-30" - with circulation connection

Station for hot potable water preparation with electronic controller "Regtronic RQ" and connection for potable water circulation systems

with Wilo high-efficiency pump Yonos PARA RS 130 15/7 PWM2 for the buffer side

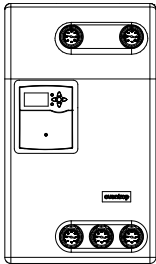
with Wilo pump ZRS 130 15/4-3KU for the potable water side (circulation)

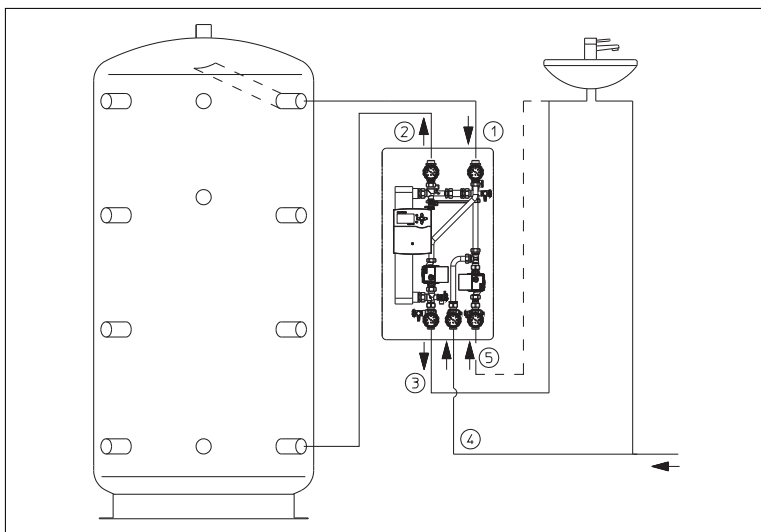
| | |
|--|----------------|
| Model with copper brazed heat exchanger | 1381035 |
| Model with heat exchanger completely made of stainless steel | 1381037 |

Similar to "Regumaq X-30". The potable water circuit is additionally equipped with a circulation pump for the operation in a circulation system.

With check valve in the circulation circuit. Control functions individually programmable: Adjustable circulation return temperature or adjustable time frames and daily programmes.

Possible application of copper brazed plate heat exchangers has to be checked. For further information visit www.oventrop.com/to/trinkwasseranforderung.

| Article | Article-No. | Hint |
|---|---|----------------|
|  | "Regumaq XZ-30" - with circulation connection and high-efficiency circulation pump Station for hot potable water preparation with electronic controller "Regtronic RQ" and connection for potable water circulation systems | |
| | with high-efficiency pump Wilo-Yonos PARA RS 130 15/7 PWM 2 for the buffer side | |
| | with high-efficiency pump Wilo-Yonos PARA Z RKC 130 15/7 for the potable water side (circulation) | |
| | Model with copper brazed heat exchanger | 1381025 |
| Model with heat exchanger completely made of stainless steel | 1381027 | |



- 1 Supply from the storage cylinder
- 2 Return to the storage cylinder
- 3 Hot water
- 4 Cold water supply
- 5 Circulation - return (only "Regumaq XZ")

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|

Heat exchangers

Replacement for "Regumaq" and "Regusol X" copper brazed



without connection fitting for higher performance ranges

20 plates up to about 40 kW **1351790**
30 plates up to about 55 kW **1351791**

Connection distance: 466 mm x 50 mm
4 x G 1 flat sealing

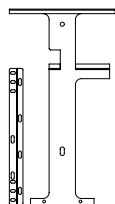
As replacement for "Regusol X-15".
As replacement for "Regusol X-25" and "Regumaq".

The performance dates are determined by the fixed default values in the primary circuit (80/60 °C) and secondary circuit (50/70 °C).

Model completely made of stainless steel

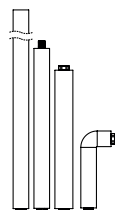
30 plates up to about 55 kW **1381068**

As replacement for "Regumaq".



Retaining and fixing set "Regumaq X/XZ" **1389090**

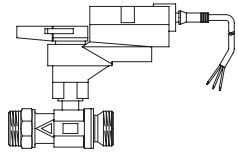
For fixing a potable water station "Regumaq X/XZ" to a buffer storage cylinder "Hydrocor - HP/HS".



Storage cylinder connection set "Regumaq X/XZ" **1381185**

For the hydronic connection of a potable water station "Regumaq X/XZ" fixed at a buffer storage cylinder "Hydrocor - HP/HS".

Suitable buffer storage cylinders "Hydrocor - HP/HS":
page 10.18



"Regumaq K" Cascade control set for "Regumaq X/XZ-30"
Cascade control set for hot potable water preparation

Cascade control integrated in the actuators, with ball valves for potable water supply

Application:
The cascade control set allows to increase the discharge capacity of the "Regumaq" stations up to 120 l/min. The set does not include the potable water stations.

"Regumaq K-2"
Set for the control of 2 "Regumaq" stations

1381082

Discharge capacity: 60 l/min. according to the supply capacity (see technical information "Regumaq Stations for hot potable water preparation")
2 actuators with ball valves DN 25 G 1¼

"Regumaq K-3"
Set for the control of 3 "Regumaq" stations

1381083

Discharge capacity: 90 l/min. according to the supply capacity (see technical information "Regumaq Stations for hot potable water preparation")
3 actuators with ball valves DN 25 G 1¼

"Regumaq K-4"
Set for the control of 4 "Regumaq" stations

1381084

Discharge capacity: 120 l/min. according to the supply capacity (see technical information "Regumaq Stations for hot potable water preparation")
4 actuators with ball valves DN 25 G 1¼



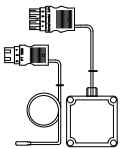
"Regumaq K" Connection piping

G 1¼ collar nut x G 1 collar nut

1389082

Connection piece between "Regumaq" and cascade ball valves.

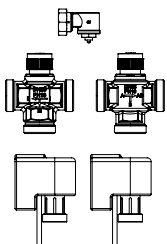
One connection piping is required for each "Regumaq" station.



Switching module

1389085*

The minimum draw off temperature is monitored by the switching module. A message can be sent to the centralised building control system or a signalling unit.

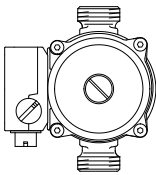

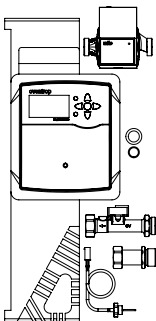
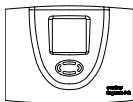



"Regucor" Extension set zone loading
consisting of:

- 1 x "Tri-D TR" Three-way diverting valve DN 25
- 1 x "Tri-M TR" Three-way mixing valve DN 25
- 2 x "Aktor M" Electromotive actuator
- 1 x Angle pattern adapter
- Seals

1383583

The extension set allows for the connection of a boiler and the targeted loading of a buffer storage cylinder. Layering can be carried out into different buffer storage cylinder sections.

| Article | Article-No. | Hint |
|---|--|--|
| Accessories for "Regumaq X-/XZ-30" | | |
|  | Circulation pump 130 mm, connection thread G 1 for the primary circuit (buffer storage cylinder circuit) Standard pump WILO RS 15/6-3, three-stage speed control DN 25, PN 10, 110 °C | 1381090° Only supplied as replacement for the stations "Regumaq X-30" and "Regumaq XZ-30". With Molex plug (without pump connecting cable). |
| | for the secondary circuit (potable water circuit) WILO ZRS 15/4-3 KU three-stage speed control, plastic housing DN 25, PN 10, 110 °C | 1381091 Only supplied as replacement for the station "Regumaq XZ-30". With Molex plug (without pump connecting cable). |
|  | Connection thread G 1 Wilo-Yonos PARA 15-7 PWM2 DN 15, PN 10, 95 °C | 1389008 Only supplied as replacement for the stations "Regumaq X-30/XZ-30" and "Regusol X-Uno/Duo 25". |
| | for the secondary circuit (storage cylinder circuit) "Regusol" or the primary circuit (storage cylinder circuit) "Regumaq" | |
|  | Replacement kit high-efficiency pump consisting of: – Electronic controller "Regtronic RQ" – VFD flow sensor 2-40 l/min. – Controller location made of expanded polypropylene for "Regtronic RQ" – Screw-in sensor PT 1000 – High-efficiency pump Wilo-Yonos PARA RS 15/7 130 PWM for the primary circuit | 1389095 The high starting current of high-efficiency pumps places special demands on the control and regulation technology. The control signal of the controller and the high-efficiency pump must be co-ordinated. If the control signals of the controller and the pump are not co-ordinated, an operation is not possible. Accordingly, the controller must also be replaced when replacing the asynchronous pump of a "Regumaq X/XZ" station with a high-efficiency pump. |
| | | |
|  | Electronic controller "Regtronic PQ" cabled, replacement for "Regumaq X-30" | 1381092 Only supplied as replacement for the stations "Regumaq X-30" and "Regumaq XZ-30". |
| | cabled, for "Regumaq XZ-30" | 1381099° |
|  | Flow sensors for the secondary circuit (potable water circuit) pulse water meter, 40 pulses/litre connection G 1 x G 1 collar nut, including seals | 1381093 Only supplied as replacement for the stations "Regumaq X-30" and "Regumaq XZ-30". |
| | for the secondary circuit (potable water circuit) VDF sensor 2-40 l/min. connection G 1 x collar nut G 1, including seals | 1389901 Only supplied as replacement for the stations "Regumaq X-30" and "Regumaq XZ-30". |
| | for the secondary circuit (potable water circuit) VFD sensor, 2-40 l/min. sensor head, without housing | 1389902 For insertion into an existing brass housing. |

| | Article | Packing unit | Article-No. | Hint |
|--|--|--------------|----------------|--|
| | Ball valves, primary circuit for the primary circuit (buffer storage cylinder circuit) connection G 1 x G 1 | | | Only supplied as replacement for the stations "Regumaq X-30" and "Regumaq XZ-30". |
| | Return, blue thermometer | | 1381094 | |
| | Supply, with check valve, red thermometer | | 1381095 | |
| | Ball valves, secondary circuit for the secondary circuit (potable water circuit) connection G 1 x G 1 collar nut | | | Only supplied as replacement for the stations "Regumaq X-30" and "Regumaq XZ-30". |
| | Potable water outlet hot, with fill and drain cock, red thermometer | | 1381096 | |
| | Potable water supply cold, blue thermometer | | 1381097 | |
| | Potable water circulation, red thermometer | | 1381088 | |
| | Check valve Potable water circulation | (10) | 1381089 | Check valve for replacement purposes or for subsequent installation in the potable water circulation return pipe in front of the circulation pump. |
| | "Sensor LW TQ" Temperature sensors Potable water outlet, hot (T2) Screw-in sensor PT 1000 | | 1389050 | Only for "Regtronic PQ". |
| | "Sensor LW TH/pipe" Potable water supply, cold (T3) Sensor attached to the pipe PT 1000 | | 1389051 | Only for "Regtronic PQ". |
| | Potable water outlet, hot (S2) Screw-in sensor PT 1000 | | 1389052 | Only for "Regtronic RQ". |
| | Conversion set for external circulation pump Pipework set with seals, ball valve, draining valve, check valve, thermometer, insulation screen and fixing material. | | 1381080 | For the operation of "Regumaq X-30" stations in combination with an external circulation pump. Circulation pump not included. |

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|

Tailpipe sets DN 20 for "Regusol X" and "Regumaq X/XZ" stations

To be ordered separately:

Tailpipe sets 3-fold with collar nut and ring gasket

Are required for the connection of the "Regusol X" and "Regumaq X/XZ" stations to the storage cylinder circuit.

Use "Regusol" compression fittings for the connection of the "Regusol X" station to the solar circuit.

May also be used for "Regumaq X/XZ" and accessories.



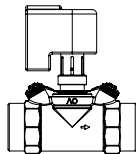
Solder tailpipes 22 mm

1367465



Male threaded tailpipes R 3/4

1367468



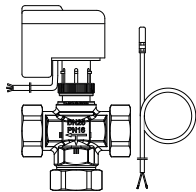
Isolation device for "Regumaq X/ XZ-30/ X-80"

consisting of:

- 1 x "Hycococon HTZ" Regulating valve DN 40
- 1 x "Aktor M 2P L" Electromotive actuator

1381078

Isolating set to avoid gravity circulation in the primary circuit (buffer circuit).



Accessories kit "Regumaq" for return layering for the primary circuit (buffer storage cylinder circuit)

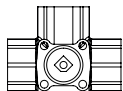
Consisting of three-way valve G 1 1/4, flat sealing, actuator and storage cylinder sensor

1381066

For layering the temperature dependent return water in the lower or middle storage cylinder section.

The switching function is already pre-configured inside the controller "Regtronic RQ".

Not suitable for cascading constructions.



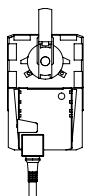
Ball valve for return layering, PN 16

DN 25
DN 32
DN 40
DN 50

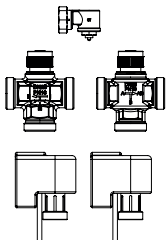
1381191
1381192
1381193
1381194

A set for return layering consists of:

- 1 x ball valve for return layering
- 1 x actuator for ball valve for return layering
- 1 x storage cylinder temperature sensor PT 1000, item no. 1369093: page 10.11



Actuator for ball valve for return layering **1381199**



"Regucor" Extension set zone loading

consisting of:

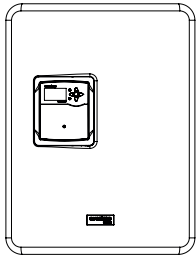
- 1 x "Tri-D TR" Three-way diverting valve DN 25
- 1 x "Tri-M TR" Three-way mixing valve DN 25
- 2 x "Aktor M" Electromotive actuator
- 1 x Angle pattern adapter
- Seals

1383583

The extension set allows for the connection of a boiler and the targeted loading of a buffer storage cylinder.

Layering can be carried out into different buffer storage cylinder sections.

| Article | Article-No. | Hint |
|---------|-------------|------|
|---------|-------------|------|



"Regumaq X-80"

Station for hot potable water preparation with electronic controller "Regtronic RQ" with full graphic display and data output (S-bus)

with Grundfos pump UPML 25-105 PWM
 Heat exchanger: 46 plates

Discharge capacity: 2- 80 l/min. depending on the set potable water temperature and the existing water temperature inside the buffer storage cylinder

Performance data according to SPF test procedure:
 Discharge capacity 77 l/min. with PWH-3K
 PWC = 10 °C, PWH = 60 °C (setting)
 T_{storage cylinder} = 75 °C

Control range of potable water temperature: 20 - 60 °C

Connections: G 1½ flat sealing for the connection to the buffer and potable water circuit

Potable water circuit:
 with flow sensor, safety valve 10 bar, electronic resistance thermometer, 2 fill and drain cocks and ball valves

Buffer circuit: 2 fill and drain cocks, ball valves, circulation pump and throttling valve with actuator

Dimensions (outer dimensions of insulation):
 Width: 660 mm
 Height: 875 mm
 Depth: 290 mm

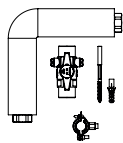
| | |
|---|-----------------|
| Model with copper brazed heat exchanger | 1381580 |
| Model with nickel brazed heat exchanger | 1381581* |

Electronically controlled product assembly with heat exchanger for the hygienic heating of potable water according to the continuous flow principle. The potable water is only heated when it is needed, i.e. "just in time". The stations are especially suitable for multiple dwellings, hotels and sports facilities. They are connected to bufferstorage cylinders which are heated up by solar energy, solid fuels, gas or oil. Depending on the temperature and the volume flow on the potable water side, the circulation pump on the heating side is speed regulated. The plate heat exchanger complies with the specifications of the European Pressure Equipment Directive (PED). Due to the turbulent flow, a good self-cleaning effect avoiding a contamination is achieved. The plate heat exchanger can be flushed using the fill and drain cocks integrated in the primary and secondary circuit. The potable water circuit is protected by a 10 bar safety valve. The components of the heat exchanger system have flat sealing connections, are pre-assembled on a mounting board and leak tested. The controller is wired up with the internal electric components and features a data bus (S-bus) for the connection to the data logger "CS-BS".

Accessories for return layering: page 6.106

Possible application of copper brazed plate heat exchangers has to be checked. For further information visit www.oventrop.com/to/trinkwasseranforderung.

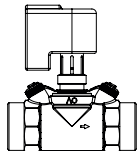
Accessories for "Regumaq X-80"



"Regumaq X-80" Potable water circulation set

Connection set for the extension of the "Regumaq X-80" station by a potable water circulation
 Pipework set with seals and ball valve with check valve

1381590



Isolation device for "Regumaq X/ XZ-30/ X-80"

consisting of:
 - 1 x "Hycocoon HTZ" Regulating valve DN 40
 - 1 x "Aktor M 2P L" Electromotive actuator

1381078

Isolating set to avoid gravity circulation in the primary circuit (buffer circuit).

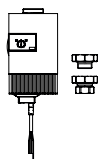


High-efficiency circulation pumps

with connection adapters for installation into the potable water circulation set "Regumaq X-80"

| | |
|----------------------------------|----------------|
| Wilo-Yonos PARA Z 15/7.0 RKC 130 | 1381591 |
|----------------------------------|----------------|

| Article | Packing unit | Article-No. | Hint |
|---------|--------------|-------------|------|
|---------|--------------|-------------|------|



Wilo-Stratos PARA Z 25/1-12 RK 180 **1381592**



Connection fittings for circulation pumps installed on site

G 1 female x G 1 female (10) **1381585***

One connection fitting, item no. 1381585, is required for the integration of a G 1 circulation pump installed on site into the potable water circulation set, item no. 1381590. One connection fitting, item no. 1381587, and one fitting, item no. 1359091, are required for a G 1½ circulation pump.



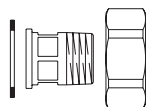
G 1½ female x G 1½ female (10) **1381587***



G 1½ female x G 1 c/nut 32 mm (10) **1359091**

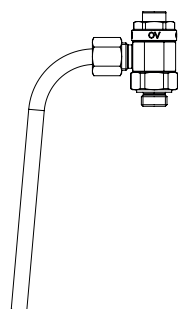
| Article | Packing unit | Article-No. | Hint |
|---------|--------------|-------------|------|
|---------|--------------|-------------|------|

Connection fittings



Tailpipe (bronze), flat sealing, with male thread according to EN 10226-1, collar nut and ring gasket (EPDM)

R 1¼ x G 1½ (collar nut) (5) **4201475**



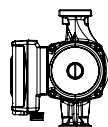
"Aquastrum P" Water sampling valve

DN 8 (10) **4209102**

Flame resistant and chemically disinfectable water sampling valve for hygienic-microbiologic tests according to DIN EN ISO 19458, DVGW W 551, TrinkwV (German Decree for Potable Water) and VDI 6023. PN 10.

Valve body made of bronze, stem made of stainless steel, metal to metal sealing, with additional seal made of heat-resistant PTFE, with metal plate for marking the water sampling point according to DIN EN ISO 19458 chapter 3.

All models with discharge elbow made of stainless steel. Operation with the help of the Allen key supplied with the valve.



High-efficiency pump with connection thread G 1½

Grundfos UPML 25-105 180 PWM-C **1381599***
DN 25, PN 10, 95 °C

for the primary circuit (storage cylinder circuit) "Regumaq X-80"

Are only supplied as replacement for the "Regusol X-80" stations.



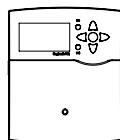
Heat exchanger

46 plates
Connection distance 470 x 63 mm
4 X G 1¼ male thread, flat sealing

Heat exchanger copper brazed **1381595***

Heat exchanger nickel brazed **1381596***

Are only supplied as replacement for the "Regusol X-80" stations.

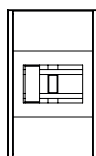


Electronic controller "Regtronic RQ"

cabled, replacement for "Regumaq X-80"

1381597*

Are only supplied as replacement for the "Regusol X-80" stations.



Load relay

2-phase cabled with the casing

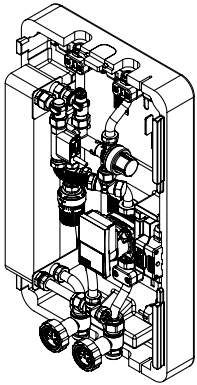
1152089

For the connection of high-performance pumps (> 1A).

Article

Article-No.

Hint



"Regumaq XH"

Station for hot potable water preparation

with high-efficiency pump Wilo-Yonos PARA RS 15/7 PWM2 in the buffer circuit

Recommended discharge capacity: 15-20 l/min., depending on the set potable water temperature and the existing water temperature inside the buffer storage cylinder

Control range of potable water temperature: 40 °C - 60 °C

Connections:

G 3/4 flat sealing for the connection to the potable water circuit
G 1 flat sealing for the connection to the buffer circuit

Potable water circuit:

consisting of flow controller, connection for circulation pipe (G 3/4), heat exchanger, temperature sensor and flow switch

Buffer circuit:

consisting of storage cylinder pump, heat exchanger, venting valve, flow controller and thermostatic valve

Dimensions (outer dimensions of insulation):

Width: 400 mm
Height: 690 mm
Depth: 190 mm

"Regumaq XH"

1381042

Heat exchanger made of stainless steel, copper brazed

Hydraulically controlled product assembly with heat exchanger for the hygienic heating of potable water according to the continuous flow principle.

The potable water is only heated at the moment when it is needed, i.e. "just in time".

For the connection to buffer storage cylinders which are heated up by solar energy, solid fuels, oil or gas.

PN 10 (at 20 °C), up to 95 °C.

Depending on the draw off capacity on the potable water side, the circulation pump on the heating side is switched on and the volume flow is regulated.

The soldered plate heat exchanger complies with the specifications of the European Pressure Equipment Directive (PED). Due to the turbulent flow, a good self-cleaning effect avoiding a contamination is achieved.

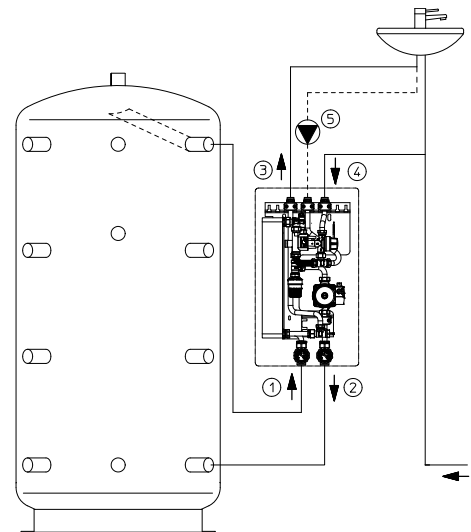
The components of the heat exchanger system have flat sealing connections, are pre-assembled on a carrier board and leak tested.

The product assembly is wired and ready for plug-in.
With wall bracket.

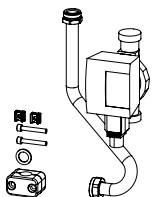

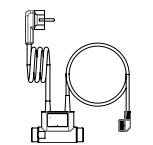
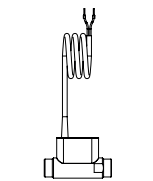

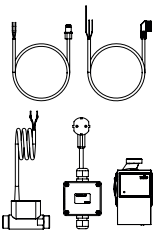
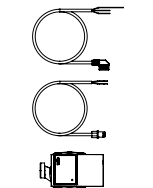
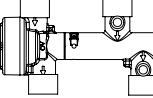
The "Regumaq XH" is certified by the SVGW under certificate no. 1212-6108.

Possible application of copper brazed plate heat exchangers has to be checked. For further information visit www.oventrop.com/to/trinkwasseranforderung.

System illustration:



- 1 Supply from the buffer storage cylinder
- 2 Return to the buffer storage cylinder
- 3 Hot water
- 4 Cold water supply
- 5 Circulation pipe - return
(optionally with 1381047 or 1381049)

| Article | Article-No. | Hint |
|---|--|---|
| Accessories for "Regumaq XH" | | |
|  | <p>"Regumaq XH" Potable water circulation set Connection set with circulation pump Wilo Star Z Nova C and time switch for the extension of the "Regumaq XH" station by a potable water circulation</p> | 1381047 |
|  | <p>"Regumaq XH" Potable water circulation set as above but without circulation pump and without time switch</p> | 1381049 |
|  | <p>Flow switch for "Regumaq" item no. 1381040 without high-efficiency pump</p> | 1381046 |
|  | <p>Flow switch for add-on groups for hot potable water preparation with high-efficiency pump</p> | 1381043 |
|  | <p>"Regumaq XH" Filter insert</p> | 1381044 |
|  | <p>Upgrade kit high-efficiency pumps consisting of:</p> <ul style="list-style-type: none"> - Electronic box with signal, power supply cords and flow switch - High efficiency pump Wilo-Yonos PARA ST 15/7 130 PWM2 for the primary circuit (buffer storage cylinder circuit) | 1381048 |
|  | <p>Circulation pump 130 mm Wilo-Yonos ST 15/7 130 PWM2 Connection thread G 1 for the primary circuit/buffer storage cylinder circuit</p> | 1383582 |
|  | <p>Flow controller</p> | 1381045 |
| | | <p>Suitable for: "Regumaq XH" 1381042 "Regucor WH" 1383460/65 "Regucor WHS" 1383550/55/62/67 1383645</p> |
| | | <p>For the protection of the potable water circuit against contaminations. Mesh size 0.5 mm, made of stainless steel</p> |
| | | <p>The high starting current of high-efficiency pumps places special demands on the control and regulation technology. Accordingly, it is not only necessary to replace the asynchronous pump of the "Regumaq XH" station with a high-efficiency pump, but the flow switch also has to be replaced and connected to the electronic box.</p> |
| | | <p>Suitable for: "Regumaq XH" 1381040 "Regucor WHS" 1383560, 1383565</p> |
| | | <p>Suitable for: "Regumaq XH" 1381042 "Regucor WH" 1383460/65 "Regucor WHS" 1383550/55/62/67 1383645</p> |
| | | <p>Suitable for: "Regumaq XH" 1381040/42 "Regucor WH" 1383460/65 "Regucor "WHS" 1383550/55/62/67 1383645</p> |