

BRINE HEAT PUMPS

Heat from the ground Brine/water system for heating and cooling



Issue 2021 01 E

REMKO – THE SYSTEM PROVIDER

About REMKO

REMKO is a globally active company for heating and air-conditioning technology. Our highly efficient product range comprises hot air heating systems, dehumidifiers, air-conditioning systems and air-conditioners, as well as future-looking heat pumps. Since 1976, we have grown consistently with the requirements of our customers as a medium-sized company. Extensive experience, innovative product development and reliable service are our strengths when it comes to needs-based solutions in the areas of heating, air-conditioning and dehumidifying.

Services

With our CheckServ offering and a well-developed network of qualified expert partners, we guarantee competent consultation and reliable support. From planning to installation and subsequent maintenance, we are available to our customers as a reliable contact partner at all times. If a malfunction occurs, our emergency service team is happy to help.

Our quality claim

With our products, we do not orient ourselves on existing solutions, but rather we develop and implement our own innovative technical concepts. In the process, our high quality standards for our products has been the foundation of REMKO's success for over 40 years. In cooperation with recognised testing institutes, all REMKO products are tested on our in-house test stands according to the latest European standards. Certificates confirm our sustainable quality assurance system.

Spare part service

In addition to accessory articles, REMKO offers spare parts for all its products that the customer can order conveniently online. The spare part search can also be used to find spare parts for older models. The quickest possible delivery is naturally part of the service provided by REMKO.

https://www.remko.de/ersatzteil-suche/



AIR-CONDITIONING

Air-Conditioners Cold Water Air-Conditioning Systems



HEAT

Mobile Hot Air Heating Systems Stationary Hot Air Heating Systems



NEW ENERGIES

Heat pumps Modular power houses



DEHUMIDIFICATION

Dehumidifiers High-Performance Fans



AIR CLEANING

Air purifier



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QUALITY WITH SYSTEMS

The ground is an excellent heat reservoir.

It is heated throughout the year with sunshine and precipitation and can be used as a natural source of energy. The energy is taken from the ground either through surface collectors laid close to the surface or ground probes that extend deeply into the ground.

BRINE HEAT PUMPS

Use geothermal heat all year through

Extract energy from deep underground with brine probes.

Ground probes

The ground probes are inserted into the ground through vertical boreholes. They are ideally suited if not enough space is available.

The number of required drilling metres depends on the quality of the ground and the heat requirement.

Ground probes are fundamentally notifiable – and even require official approval in individual cases. Only certified companies may perform this kind of drilling.



Develop energy close to the surface with surface collectors.

Surface collectors

When surface collectors are used, sufficient laying area must be available in the garden. At a depth of 120 to 150 cm blow the surface of the earth, pressure-resistant plastic pipes must be laid in several loops. Brine – a mixture of antifrost and water – circulates in the pipes. The energy accumulated in the ground is transferred to this brine circuit. The brine dissipates the heat to the heating system through the heat pump.

The size of the collector surface must be approximately twice as large as the heated surface.



REMKO SMART-CONTROL TOUCH

The intelligent control





REMKO SMART-CONTROL TOUCH

The future is smart

The intuitive controller software with a plain-text menu and 4.3" touch display. Connection to all regenerative energies is possible. Whether heat pumps, solar energy, or photovoltaics,

anything can be integrated. Use in a Smart-Grid or Smart Home system, such as KNX, is possible.

The controller offers extensive setting possibilities.

- Graphic representation of the heating curve
- Representation of the refrigeration circuit
- Smart-Web function
- Control of two mixed and one non-mixed heating circuits
- Dew point control with separate sensors in living spaces
- Smart Heating/Cooling function
- External data memory in I/O module

- Integration of photovoltaic current into the system
- Solar connection
- Connection to several heat generators
- 2 mixed heating circuits
- 1 non-mixed heating circuit
- Integration of air-conditioning function into the system
- All circuits with activatable cooling function
- Dynamic hygiene function
- Integration into a Smart-Home system
- Internet integration via the Smart-Web portal
- WLAN
- 4.3" touch display



a Smart Home system



Remote control via the Internet with Smart-Web



Graphic representation of the heating curve



Representation of the refrigeration circuit



Versatile in use

Highly efficient

The optimum output of the WSP series brine heat pumps highly efficiently supplies buildings with heat and hot water. The combination with a hot-water tank from the REMKO tank programme is possible.

Easy to install

All necessary components are stored in an attractive housing in a space-saving manner. The installation is performed quickly and easily with pre-assembled subassemblies. The refrigeration circuit is hermetically closed and therefore low-maintenance and quickly commissioned.

Particularly quiet

The brine heat pumps guarantee quiet operation due to additional noise insulation measures in the indoor unit. An outdoor unit is not required for this system. Based on the lack of noise development of an outdoor unit, the brine heat pump is ideal for use in densely populated residential areas.



Indoor unit, WSP series

Geothermal heat

When geothermal heat is used, the natural underground temperature level is employed. In Central Europe, this temperature level is about 10°C. If the temperature distribution throughout the depth is taken into account, it becomes clear that the upper metres are subject to seasonal influences, which decrease the deeper you go.



REMKO WSP SERIES

Heat from the ground





REMKO WSP SERIES

Heat and air-condition reliably with geothermal energy

With the brine heat pump of the WSP series, REMKO offers a compact system by means of which the use of geothermal heat can be implemented for effective heating, domestic water heating and optional, passive cooling. Geothermal heat can be extracted by deep drilling or surface collectors. The system permits a high heating comfort without operating noises outdoors. Due to high inlet temperatures up to 60 °C, the WSP brine heat pump can also be optimally used for energetic renovation in old buildings.

Scope of supply

- REMKO Smart-Control Touch the intelligent control system
- 1 highly efficient, controlled heating circuit pump
- 1 highly efficient, controlled heat source pump
- 4 shut-off valves
- Dirt filter for heating circuit and heat source
- 2 safety groups with SIV, automatic bleeding valve and pressure gauge
- Outdoor probe/immersion probe

Profit from these advantages

- No outdoor operating noises
- High inlet temperatures up to 60°C
- Effective heating, preparation for domestic water and passive cooling optionally available
- Use of geothermal energy by means of deep drilling or surface collectors
- Take advantage of the maximum of subsidy of the Federal Office of Economics and Export Control (Bundesamt für Wirtschaft und Ausfuhrkontrolle - BAFA) for new construction and renovations
- Remote access possible through the REMKO Smart Web Portal
- SmartServ 9 kW for emergency heating operation optional
- Integrated solar control
- Optimised use of photovoltaic current Smart Heating / Cooling
- Control of two mixed and one non-mixed heating circuits
- Smart-Control Touch Use in the Smart-Grid intelligent power mains is also possible.
- Especially noise-insulated scroll condenser in indoor unit
- Hermetically noise-insulated indoor unit housing for the minimisation of power losses and noise emissions
- Integrated power-controlled circulation pumps with EC technology for the supply of the heating system and heat source

Technical data

| Area of use: heating ⁵⁾ | | 6 kW | 8 kW | 10 kW | 17 kW |
|--|---------|--------------------------|-----------------------|--------------------------|--------------------------|
| | | | | | |
| Version | | Monoblock | Monoblock | Monoblock | Monoblock |
| System | | Brine-to-water | Brine-to-water | Brine-to-water | Brine-to-water |
| Operating mode | | Heating/HW | Heating/HW | Heating/HW | Heating/HW |
| Testing | | EHPA | EHPA | EHPA | EHPA |
| Smart-Control Touch | | Series | Series | Series | Series |
| Preparation for domestic water | | External tank | External tank | External tank | External tank |
| Cooling with cooling module | | Optionally | Optionally passive | Optionally | Optionally |
| Smart-Serv, heating rod 9 kW installed | | Optional | Optional | Optional | Optional |
| Number of heat pumps | | 1 | 1 | 1 | 1 |
| Nominal heating capacity ErP ⁴⁾ | kW | 6.0/5.0 | 8.0/7.0 | 11.0/9.0 | 17.0/15.0 |
| Energy efficiency rating ns for heating 4) | | A+++/A+++ | A+++/A++ | A+++/A+++ | A+++/A++ |
| Rated heating capacity / COP for B0/W35 1) | kW / - | 5.7/4.7 | 7.9/4.8 | 10.8/4.9 | 17.2/5.2 |
| Rated heating capacity / COP for B0/W55 ¹⁾ | kW / - | 52/26 | 69/27 | 9 2/2 8 | 15 0/2 8 |
| Rated heating capacity / COP for W10/W35 $^{1)}$ | kW / - | 7 6/5 8 | 97/60 | 14 1/6 3 | 22 6/6 5 |
| Rated heating capacity / COP for W10/W55 ¹⁾ | kW//- | 66/32 | 8 4/3 2 | 11 9/3 5 | 19 2/3 5 |
| Heat source operating limit | °C | $-10 \text{ to } \pm 25$ | -10 to +25 | $-10 \text{ to } \pm 25$ | $-10 \text{ to } \pm 25$ |
| Heat nump refrigeration canacity | | 50 | 70 | 90 | 15.0 |
| Max supply temperature heating water | °C | 5.0 ± 60 | 7.0 + 60 | 9.0 + 60 | + 60 |
| | | + 00 | + 00 | + 00 | + 00 |
| Passive cooling (source) operating limit | °C | +2 to +20 | +2 to +20 | +2 to +20 | +2 to +20 |
| Nominal cooling capacity B5/W18 | KVV | 10.0 | 10.0 | 12.0 | 12.0 |
| Max. inlet temperature, cooling water | °C | +15 | +15 | +15 | +15 |
| Refrigerant ²⁾ | | R410A | R410A | R410A | R410A |
| Refrigerant filling volume/CO ₂ equivalent | kg/t | 1.0/2.1 | 1.4/2.9 | 2.6/5.4 | 2.8/5.8 |
| Refrigeration circuit | | | Hermetic | ally closed | |
| Power supply for indoor unit/compressor | V/Ph/Hz | 400/3~/50 | 400/3~/50 | 400/3~/50 | 400/3~/50 |
| Smart-Control power supply | V/Ph/Hz | 230/1~/50 | 230/1~/50 | 230/1~/50 | 230/1~/50 |
| Voltage supply for electrical heating element (SmartServ) | V/Ph/Hz | 400/3~/50 | 400/3~/50 | 400/3~/50 | 400/3~/50 |
| Nominal power consumption for BO/W35 | kW | 1.22 | 1.76 | 2.21 | 3.33 |
| Rated power consumption for BO/W35 (per phase) | A | 2.35 | 2.85 | 3.60 | 5.40 |
| Electrical power consumption source pump | W | 70 | 90 | 100 | 110 |
| On-site fuse protection (indoor unit without heating rod) | A slow- | 3x 16 | 3x 16 | 3x 16 | 3x 20 |
| | acting | | | | |
| Nominal volume flow rate of water (heating) at Δ t 5 K | m³/h | 0.9 | 1.4 | 1.6 | 2.5 |
| Nominal volume flow rate of heat source (brine) | m³/h | 1.2 | 1.9 | 2.1 | 3.3 |
| External maximum pressure loss (heating system) | kPa | 50 | 40 | 80 | 60 |
| Max pressure loss of heat source with brine | kPa | 70 | 60 | 70 | 60 |
| Max operating pressure water | bar | 3 | 3 | 3 | 3 |
| Hydraulic connection heating system/heat source (flat-sealing) | Inch | 1/1 | 1/1 | 1 1/4 / 1 1/4 | 1 1/4 / 1 1/4 |
| Pineline diameter to be used on site. Cu nine | mm | 28 | 28 | 35 | 35 |
| Sound power level LwA (indoor unit) | dB(A) | 12 | 11 | 15 | 15 |
| Sound proscure level L pA (autoor unit) | | 42 | 20 | 40 | 40 |
| Dimensions of indeer unit height/width/depth | ub(A) | 1065/650/6F0 | 1065/650/650 | 40 | 1065/650/650 |
| Maight of indoor unit, fieight/ width/depth | 11111 | 1009/090/090 | 1000/000/000 | 1000/000/000 | 1009/000/090 |
| | кg | 175 | 601 | 200 | 210 |
| Pof no | | 257090 | 257110 | 257140 | 257190 |
| Nel. IIU. | | 297080 | 20/110 | 20/140 | 20/180 |

¹⁾ COP according to EN 14511, 30% glycol approx. -15°C ²⁾ GWP = 2088 ³⁾ Distance 1 m, in front of a wall, B0/W55 ⁴⁾ Average, composite system W35/55 including Smart-Control ⁵⁾ Total heating requirement, flow 35°C, 25% glycol

| Accessories | | | | |
|--|--------|---------|---------|---------|
| Unit type | WSP 80 | WSP 110 | WSP 140 | WSP 180 |
| Cooling module, indoor unit for mounting to the WSP for the | | | | |
| implementation of passive cooling and simultaneous regeneration | 260140 | 260140 | 260141 | 260141 |
| of the heat source. Ideally suitable for flat cooling systems such as | | | | |
| floor or wall heating systems or chilled sails. Pre-assembled with | | | | |
| switchover valves, plate heat exchanger. | | | | |
| REMKO Smart-Serv, for hygiene operation supply for hygiene and | | | | |
| emergency heating function, installed heating rod 9 kW. | 260096 | 260097 | 260098 | 260099 |
| Note: No combination with REMKO Smart-BVT possible. | | | | |
| REMKO Smart-Count , factory-installed heat meter for the separate | | | | |
| counting of the quantity of heat of heating and hot water | 259010 | 259010 | 259010 | 259010 |
| REMKO Smart-BVT , separate, 3-way switchover valve/overflow | | | | |
| valve for the integration of a second heat generator, bivalently al- | 260081 | 260081 | 260081 | 260081 |
| ternating operation Note: No combination with REMKO Smart-Serv | | | | |
| possible. Only in combination with buffer tank. | | | | |
| REMKO Smart-Web – Ethernet interface for the connection of | | | | |
| commercial home router software for dialling in to Smart-Control | 248120 | 248120 | 248120 | 248120 |
| and setting and reading operating parameters | | | | |

REMKO WSP DUO SERIES

Double heat from the ground

Master with slave

REMKO WSP DUO SERIES

Heat and air-condition reliably with geothermal energy

With the brine heat pump of the WSP Duo series, REMKO offers a compact system by means of which the use of geothermal heat can be implemented for effective heating, domestic water heating and optional, passive cooling. Geothermal heat can be extracted by deep drilling or surface collectors. The system permits a high heating comfort without operating noises outdoors. Due to high inlet temperatures up to 60 °C, the WSP brine heat pump can also be optimally used for energetic renovation in old buildings. Due to the cascade connection, high heating capacities can be implemented.

Scope of supply

- REMKO Smart-Control Touch the intelligent control system
- 1 highly efficient, controlled heating circuit pump per heat pump
- 1 highly efficient, controlled heat source pump per heat pump
- 4 shut-off valves per heat pump
- Dirt filter for heating circuit and heat source per heat pump
- 2 safety groups with SIV, automatic bleeding valve and pressure gauge
- Outdoor probe/immersion probe

Profit from these advantages

- No outdoor operating noises
- High inlet temperatures up to 60°C
- Effective heating, preparation for domestic water and passive cooling optionally available
- Use of geothermal energy by means of deep drilling or surface collectors
- Take advantage of the maximum of subsidy of the Federal Office of Economics and Export Control (Bundesamt für Wirtschaft und Ausfuhrkontrolle - BAFA) for new construction and renovations
- Remote access possible through the REMKO Smart Web Portal
- SmartServ 9 kW per heat pump for emergency heating operation optional
- Integrated solar control
- Optimised use of photovoltaic current Smart Heating / Cooling
- Control of 4 mixed and 1 non-mixed heating circuits
- Smart-Control Touch Use in the Smart-Grid intelligent power mains is also possible.
- Especially noise-insulated scroll condenser in indoor unit
- Hermetically noise-insulated indoor unit housing for the minimisation of power losses and noise emissions
- Integrated power-controlled circulation pumps with EC technology for the supply of the heating system and heat source
- Smooth operation through cascade connection

Technical data

| Area of use: heating ⁵⁾ | | 20 kW | 34 kW |
|---|---------------|----------------------------------|--------------------------------|
| Unit type | | WSP 140 Duo | WSP 180 Duo |
| Design | | Cascade 2x WSP 140 | Cascade 2x WSP 180 |
| System | | Brine-to-water | Brine-to-water |
| Operating mode | | Heating / cooling | Heating / cooling |
| Testing | | EHPA | EHPA |
| Smart-Control Touch | | Series | Series |
| Preparation for domestic water | | External tank | External tank |
| Cooling with cooling module | | Optionally passive | Optionally passive |
| Smart-Serv, heating rod 9 kW installed | | Optional | Optional |
| Number of heat pumps | | 2 | 2 |
| Nominal heating capacity ErP ⁴⁾ | kW | 22.0/18.0 | 34.0/30.0 |
| Energy efficiency rating for heating ⁴⁾ | | A+++/A+++ | A+++/A++ |
| Rated heating capacity / COP for B0/W35 ¹⁾ | kW / - | 21.6/4.9 | 34.4/5.2 |
| Rated heating capacity / COP for B0/W55 ¹⁾ | kW / - | 18.4/2.8 | 30.0/2.8 |
| Rated heating capacity / COP for W10/W35 ¹⁾ | kW / - | 28.2/6.3 | 45.2/6.5 |
| Rated heating capacity / COP for W10/W55 ¹⁾ | kW / - | 23.8/3.5 | 38.4/3.5 |
| Heat source operating limit | °C | -10 to +25 | -10 to +25 |
| Heat pump refrigeration capacity | kW | 18.0 | 30.0 |
| Max. supply temperature, heating water | °C | + 60 | + 60 |
| Passive cooling (source) operating limit | °C | +2 to +20 | +2 to +20 |
| Nominal cooling capacity B5/W18 | kW | 24.0 | 24.0 |
| Max. inlet temperature, cooling water | °C | +15 | +15 |
| Refrigerant ²⁾ | | R410A | R410A |
| Refrigerant filling volume/CO ₂ equivalent | kg/t | 2x 2.6/5.4 | 2x 2.8/5.8 |
| Refrigeration circuit | | Hermetica | ally closed |
| Power supply for indoor unit/compressor | V/Ph/Hz | 230/1~/50 | 230/1~/50 |
| Smart-Control power supply | V/Ph/Hz | 400/3~/50 | 400/3~/50 |
| Voltage supply for electrical heating element (SmartServ) | V/Ph/Hz | 400/3~/50 | 400/3~/50 |
| Nominal power consumption for BO/W35 | kW | 2x 2.21 | 2x3.33 |
| Rated power consumption for BO/W35 (per phase) | А | 2x 3.60 | 2x5.40 |
| Electrical power consumption, source pump | W | 2x 100 | 2x 110 |
| On-site fuse protection (indoor unit without heating rod) | A slow-acting | 2x - 3x16 | 2x - 3x20 |
| Nominal volume flow rate of water (heating) at $\Delta t 5$ K | m³/h | 2x 1.6 | 2x2.2x25 |
| Nominal volume flow rate of heat source (brine) | m³/h | 2x 2.1 | 2x 3.3 |
| External maximum pressure loss (heating system) | kPa | Only with buffer tank (80kPa) | Only with buffer tank (60 kPa) |
| Max. pressure loss of heat source with brine | kPa | 70 | 60 |
| Max. operating pressure, water | bar | 3 | 3 |
| Hydraulic connection, heating system/heat source (flat-sealing) | Inch | 11⁄4/11⁄4 | 11⁄4/11⁄4 |
| Pipeline diameter to be used on site, Cu pipe | mm | Collective line 35 | Collective line 35 |
| Sound power level LwA (indoor unit) | dB(A) | 45 | 45 |
| Sound pressure level LpA (outdoor unit) 3) | dB(A) | 40 | 40 |
| Dimensions of indoor unit, height/width/depth | mm | 2 x 1065/650/650 | 2 x 1065/650/650 |
| Weight of indoor unit | kg | 2 x 200 | 2 x 210 |
| Ref. no. | | 257190 | 257200 |

Ref. no.

¹⁾ COP according to EN 14511, 30% glycol approx. -15° C ²⁾ GWP = 2088 ³⁾ Distance 1 m, in front of a wall, B0/W55 ⁴⁾ Average, composite system W35/55 including Smart-Control ⁵⁾ Total heating requirement, flow 35°C, 25% glycol

Accessories

| Unit type | WSP 140 Duo | WSP 180 Duo |
|---|-------------|-------------|
| Cooling module , indoor unit for mounting to the WSP for the imple- mentation of passive cooling and simultaneous regeneration of the heat source. Ideally suitable for flat cooling systems such as floor or wall heating systems or chilled sails. Pre-assembled with switchover valves, plate heat exchanger per heat pump. | 260141 | 260141 |
| REMKO SmartServ , for hygiene operation supply screed drying and emergency heating function, installed heating rod 9 kW. Note: No combination with REMKO Smart-BVT possible. | 2x 260096 | 2x 260097 |
| REMKO Smart-Count, factory-installed heat meter for the separate | | |
| counting of the quantity of heat of heating and hot water | 2x 259010 | 2x 259010 |
| REMKO Smart-BVT , separate, 3-way switchover valve/overflow valve for the integration of a second heat generator, bivalently alternating op- eration Note: No combination with REMKO Smart-Serv possible. Only in combination with buffer tank. | 260101 | 260101 |
| REMKO Smart-Web – Ethernet interface for the connection of commer- cial home router software for dialling in to Smart-Control and setting and reading operating parameters | 248120 | 248120 |

HEAT PUMP PACKAGES

Type: Mannheim

REMKO WSP SERIES

Heat pump package, Type Mannheim

If the heat pump is intended to serve as a sole heat generator, this heat pump package is the ideal solution. This appliance is perfectly suited in connection with underfloor heating or modern heaters. The additional KWS 300 combination buffer tank is used for the hydraulic volume increase or decoupling of large volume flow rates. Optionally, a passive cooling function for the summer can be implemented using the cooling module (accessory). In this package, the drinking water preparation takes place in an enamelled KWS 300 drinking water tank. With this heat pump package, monovalent systems can be implemented.

Package consisting of:

- Heat pump WSP
- Combination buffer tank KWS 300 (300 l)
- 3-way changeover valve
- Electronic overflow valve

3-way changeover valve, 5/4"

Electronic overflow valve 1"G

Buffer tank for cooling and hot water and hot water tank, KWS 300

Hydraulic diagram of Mannheim (example for monoenergetic operation)

Technical data

| Area of use: heating 1) | | 6 kW | 8 kW | 10 kW | 17 kW |
|------------------------------|----|-----------|----------|-----------|-----------|
| Unit type | | WSP 80 | WSP 110 | WSP 140 | WSP 180 |
| Nominal heating capacity ErP | kW | 6.0/5.0 | 8.0/7.0 | 11.0/9.0 | 17.0/15.0 |
| Energy efficiency class 2) | | A+++/A+++ | A+++/A++ | A+++/A+++ | A+++/A++ |
| | | | | | |
| Ref. no. | | 257500 | 257510 | 257520 | 257530 |
| | | | | | |

¹⁾ Total heating requirement, intake flow line 35°C, brine ²⁾ Average, composite system for heating/hot water, including Smart-Control

Accessories

| Unit type | WSP 80 | WSP 110 | WSP 140 | WSP 180 |
|---|--------|---------|---------|---------|
| Cooling module, indoor unit for mounting to the WSP for the implemen- | | | | |
| tation of passive cooling and simultaneous regeneration of the heat source. | 260140 | 260140 | 260141 | 260141 |
| Ideally suitable for flat cooling systems such as floor or wall heating systems | | | | |
| or chilled sails. Pre-assembled with switchover valves, plate heat exchanger. | | | | |
| REMKO Smart-Serv , for hygiene operation supply for hygiene and emer- | | | | |
| gency heating function, installed heating rod 9 kW. | 260096 | 260097 | 260098 | 260099 |
| Note: No combination with REMKO Smart-BVT possible. | | | | |
| REMKO Smart-Web – Ethernet interface for the connection of commer- | | | | |
| cial home router software for dialling in to Smart-Control and setting and | 248120 | 248120 | 248120 | 248120 |
| reading operating parameters | | | | |

HEAT PUMP PACKAGES

Type: Cologne

REMKO WSP SERIES

Heat pump package, Type Cologne

This heat pump package is designed for users who want heating and cooling first and foremost. The additional KPS 301 buffer tank is used for the hydraulic decoupling of large medium flow rates. Optionally, a passive cooling function for the summer can be implemented using the cooling module (accessory). Domestic water preparation takes place separately. With this heat pump package, both monovalent and bivalently alternating systems can be accommodated. A second heat generator (e.g., oil/gas boiler) can be connected through the external Smart BVT set.

The separate pump assemblies HGU/HGM (can be ordered separately) for the heating circuits are equipped with a high-efficiency pump regulated in a needs-based manner.

Package comprising:

- Heat pump WSP
- Steam-diffusion-proof buffer tank for cooling and hot water KPS 301 (300 l)

Buffer tank for cooling and hot water KPS 301

Hydraulic diagram of Cologne (example for monovalent or alternative bivalent operation)

Technical data

| Area of use: heating ¹⁾ | | 6 kW | 8 kW | 10 kW | 17 kW |
|---------------------------------------|----|-----------|----------|-----------|-----------|
| Unit type | | WSP 80 | WSP 110 | WSP 140 | WSP 180 |
| Nominal heating capacity ErP | kW | 6.0/5.0 | 8.0/7.0 | 11.0/9.0 | 17.0/15.0 |
| Energy efficiency class ²⁾ | | A+++/A+++ | A+++/A++ | A+++/A+++ | A+++/A++ |
| | | | | | |
| Ref. no. | | 257540 | 257550 | 257560 | 257570 |

¹⁾ Total heating requirement, intake flow line 35°C, brine ²⁾ Average, composite system for heating/hot water, including Smart-Control

Accessories

| Unit type | WSP 80 | WSP 110 | WSP 140 | WSP 180 |
|--|--------|---------|---------|---------|
| Cooling module , indoor unit for mounting to the WSP for the implemen- tation of passive cooling and simultaneous regeneration of the heat source. Ideally suitable for flat cooling systems such as floor or wall heating systems or chilled sails. Pre-assembled with switchover valves, plate heat exchanger. | 260140 | 260140 | 260141 | 260141 |
| REMKO Smart-Serv , for hygiene operation supply for hygiene and emergency heating function, installed heating rod 9 kW. Note: No combination with REMKO Smart-BVT possible. | 260096 | 260097 | 260098 | 260099 |
| REMKO Smart-BVT , separate, 3-way switchover valve/overflow valve for the integration of a second heat generator, bivalently alternating operation Note: No combination with REMKO Smart-Serv possible. Only in combination with buffer tank. | 260081 | 260081 | 260081 | 260081 |
| REMKO Smart-Web – Ethernet interface for the connection of commer- cial home router software for dialling in to Smart-Control and setting and reading operating parameters | 248120 | 248120 | 248120 | 248120 |
| Heating circuit pump set HGU Speed-controlled heating circuit pump group/unmixed | 259046 | 259046 | 259046 | 259046 |
| Speed-controlled heating circuit pump group/mixed | 259047 | 259047 | 259047 | 259047 |

HEAT PUMP PACKAGES

Type: Frankfurt

REMKO WSP SERIES

Heat pump package, Type Frankfurt

The energy-saving package is suitable for the integration of solar thermal systems or combustible solid fuel burners for heating and domestic water support. With the fin-tube heat exchanger (special accessory) RWT 31, collector surfaces from approx. 8 to 15 m² can be connected. The domestic water preparation takes place with a 800 litre or 1000 litre buffer tank and electronically regulated fresh water station using the hygienic flow method. With this heat pump package, both bivalently alternating and monovalently operated systems can be accommodated.

The separate pump subassemblies HGM/HGU (can be ordered separately) for the heating circuits are equipped with a high-efficiency pump regulated in a needs-based manner.

Package consisting of:

- Heat pump WSP
- Multifunctional buffer tank MPS 800 (800 l) or MPS 1000 (1000 l)
- Electronically regulated fresh water station EFS 20.1
- 2x 3-way changeover valve

2 x 3-way switchover valve, 5/4"

Immersion probe and collector probe

Multifunctional buffer tank MPS 800 or MPS 1000

Fresh water station with pump and flow switch, EFS 20.1

Hydraulic diagram of Frankfurt (example for monovalent or alternative bivalent operation)

Technical data

| Area of use: heating ¹⁾ | | 6 kW | 8 kW | 10 kW | 17 kW |
|---------------------------------------|----|-----------|----------|-----------|-----------|
| Unit type | | WSP 80 | WSP 110 | WSP 140 | WSP 180 |
| Nominal heating capacity ErP | kW | 6.0/5.0 | 8.0/7.0 | 11.0/9.0 | 17.0/15.0 |
| Energy efficiency class ²⁾ | | A+++/A+++ | A+++/A++ | A+++/A+++ | A+++/A++ |
| With MPS 800 | | | | | |
| Ref. no. | | 257580 | 257590 | 257600 | 257610 |
| With MPS 1000 | | | | | |
| Ref. no. | | 257581 | 257591 | 257601 | 257611 |
| | | | | | |

¹⁾ Total heating requirement, intake flow line 35°C, brine ²⁾ Average, composite system for heating/hot water, including Smart-Control

Accessories

| Unit type | WSP 80 | WSP 110 | WSP 140 | WSP 180 |
|--|--------|---------|---------|---------|
| REMKO Smart-Count , factory-installed heat meter for the separate | | | | |
| counting of the quantity of heat of heating and hot water | 259010 | 259010 | 259010 | 259010 |
| REMKO Smart-Serv , for hygiene operation supply for hygiene and emer- | | | | |
| gency heating function, installed heating rod 9 kW. | 260096 | 260097 | 260098 | 260099 |
| Note: No combination with REMKO Smart-BVT possible. | | | | |
| REMKO Smart-BVT, separate, 3-way switchover valve/overflow valve | | | | |
| for the integration of a second heat generator, without circulation pump, | 260081 | 260081 | 260081 | 260081 |
| bivalently alternating operation. Note: No combination with REMKO | | | | |
| Smart-Serv possible. Only in combination with buffer tank. | | | | |
| REMKO Smart-Web – Ethernet interface for the connection of commer- | | | | |
| cial home router software for dialling in to Smart-Control and setting and | 248120 | 248120 | 248120 | 248120 |
| reading operating parameters | | | | |
| Heating circuit pump set HGU | | | | |
| Speed-controlled heating circuit pump group/unmixed | 259046 | 259046 | 259046 | 259046 |
| Heating circuit pump set HGM | | | | |
| Speed-controlled heating circuit pump group/mixed | 259047 | 259047 | 259047 | 259047 |
| | | | | |

HEAT PUMP SOLAR PACKAGES

Solar collector RSK 25

Cross-section of RSK 25

- 5 Mineral wool
- 6 Anodised aluminium frame
- 7 Mounting system

REMKO RSK 25 SERIES

With the thermal high-performance solar collectors Type RSK 25, you can operate your heating system with even greater efficiency in combination with the inverter heat pump from REMKO. With the refined workmanship and specially developed heat conducting technology, a maximum amount of solar energy is utilised.

The RSK 25-5 solar set with two solar collectors utilises solar energy for hot-water preparation. The RSK 25-10 solar set with four solar collectors utilises solar energy for hot-water preparation and heating support. The REMKO solar sets provide unsurpassed performance in a perfectly attuned system configuration with the well-known inverter heat pump.

Depending on the solar set, the heat pump can be used for air conditioning during the summer, whereas the thermal solar system assumes the hot water preparation. The complete system is controlled via the REMKO Smart-Control intelligent control system. Almost every desire can be fulfilled by the REMKO heat pump solar packages.

Solar set RSK 25-5

The solar set consisting of two solar collectors is an efficient supplement to hot-water preparation.

- 2x collectors RSK 25 (5.06 m²)
- Collector connector, straight
- Solar station with HE pump
- MAG 18, expansion vessel
- Wall mount for MAG
- Connecting tube for MAG
- Glycol, premixed, 10 l
- Basic mounting set
- Fin-tube heat exchanger RWT 18
- Immersion probe and collector probe

Solar set RSK 25-10

The solar set consisting of 4 solar collectors is an efficient supplement to hot-water preparation and heating support.

- 4x collectors RSK 25 (10.12 m²)
- Collector connector, straight
- Solar station with HE pump
- MAG 25, expansion vessel
- Wall mount for MAG
- Connecting tube for MAG
- Glycol, premixed, 20 l
- Basic mounting set
- Fin-tube heat exchanger RWT 31
- Immersion probe and collector probe

Solar station

Diaphragm expansion vessel

Basic mounting set

Fin-tube heat exchanger

Technical data

| Unit type | | RSK 25-5 | RSK 25-10 |
|--|-----|---|---|
| Domestic water heating/heating support | | Yes | Yes |
| Rooftop installation | | Yes | Yes |
| Flat roof installation | | Yes | Yes |
| Awning/façade installation | | no | no |
| Installation type | | Vertical, next to each other Horizontal, stacked (upon request) | Vertical, next to each other Horizontal, stacked (upon request) |
| Piping | | meandering | meandering |
| Absorber coating | | highly selective | highly selective |
| Number of collectors | | 2 | 4 |
| Nominal thermal output | kW | 1.9 | 1.9 |
| Efficiency | % | 79.7 | 79.7 |
| Total collector surface area | m² | 2.53 | 2.53 |
| Absorber surface area | m² | 2.35 | 2.35 |
| Aperture surface area | m² | 2.35 | 2.35 |
| Heat carrier content | | 1.7 | 1.7 |
| Permissible operating pressure | bar | 10 | 10 |
| Max. corrugated pipe length | m | 25 | 25 |
| Dimensions - height/width/depth | mm | 2102/1202/80 | 2102/1202/80 |
| Weight | kg | 44 | 44 |
| Ref. no. | | 260820 | 260821 |

TANK SYSTEMS

REMKO HPS / MPS SERIES

Buffer tanks for heating water

- Universally usable as parallel buffer (hydraulic switch) or series-connected buffer
- With dummy flange cover D240 for retrofitting a fin-tube heat exchanger RWT 31
- Electrical immersion heating element, screw-in 6/4"
- Max. operating temperature 95°C
- Max. operating pressure 3 bar
- Test pressure 4.5 bar

Technical data

| Unit type | | HPS 500 | MPS 800 | MPS 1000 |
|--------------------------------|--------|-------------|-------------------|-------------|
| Storage type | | Buffer tank | Multifunctional b | ouffer tank |
| Tank volume | Litre | 500 | 800 | 1000 |
| BEVB | kW/24h | 2.8 | 3.4 | 3.5 |
| Heat retention loss | W | 116 | 141 | 145 |
| Energy efficiency class | | С | - | - |
| Height with insulation | mm | 1725 | 1785 | 2135 |
| Diameter with insulation | mm | 850 | 990 | 990 |
| Diameter without insulation | mm | 650 | 790 | 790 |
| Tilt height without insulation | mm | 1670 | 1750 | 2090 |
| Weight | kg | 113 | 157 | 176 |
| | | | | |
| Ref. no. | | 270300 | 270380 | 270400 |

- Corrosion protection coating outside
- 9 connecting threads (11 for MPS 800/ MPS 1000) 6/4" internal thread with inflow restrictors
- 4 socket screw threads 1/2" for probe/thermometer immersion sleeves
- From quality steel S235 according to DIN EN 10 025/10 111
- High-efficiency, double-shell heat insulation, 100 mm, silver grey

REMKO KPS SERIES

Hot/cold water buffer tank

- Universally usable as parallel buffer (hydraulic switch) or series-connected buffer
- With cleaning flange lid D180 for retrofitting
- Fin-tube heat exchanger RWT 18, can be retrofitted
- Electrical immersion heating element, screw-in 6/4"
- Operating temperature: min. 7 °C, max. 95°C
- Operating pressure 3 bar

Technical data

| Unit type | | KPS 131 | KPS 301 |
|--------------------------------|--------|----------------------------|---------|
| Storage type | | Hot/cold water buffer tank | |
| Tank volume | Litre | 130 | 306 |
| BEVB | kW/24h | 0.89 | 1.61 |
| Heat retention loss | W | 37 | 67 |
| Energy efficiency class | | А | В |
| Height with insulation | mm | 635 | 1295 |
| Diameter | mm | 700 | 700 |
| Tilt height without insulation | mm | 909 | 1441 |
| Weight | kg | 35 | 72 |
| | | | |
| Ref. no. | | 270241 | 270251 |

- Steel sheet inner boiler S235 according to DIN EN 10 025/10 111
- 4 connecting threads, external thread 5/4"
- Outer foil casing in silver grey
- High-quality PUR insulation 50 mm (CFC, HCFC and HFC-free), water vapour diffusion tight
- Probe channel for variable probe positioning KPS 301

0

REMKO EWS E / KWS SERIES

Tank for domestic hot water heating

- Enamelled with double-coiled smooth-tube heat exchanger and particularly large heat exchanger surface
- Inner container with magnesium protection anodes according to DIN 4753
- PUR insulation (free of CFCs, HCFCs, and HFCs)
- Max. operating pressure 10 bar

- Max. operating temperature 95°C
- Connection possibilities for circulation, external thread 3/4"
- Cold water supply and hot water outlet, internal thread 1"
- With cleaning flange lid D180
- Flange heating cartridge (legionella protection) or fin-tube heat exchanger RWT 18 can be retrofitted

Technical data

| | EWS 200 E | EWS 301 E | EWS 500 E | KWS 300 |
|---------------------------------|--|--|--|---|
| | Don | nestic water tank, ename | elled | Combination buffer tank |
| _itre | 168 | 264 | 426 | 275 |
| | - | - | - | 100 |
| m² | 2.0 | 3.4 | 6.2 | 3.2 |
| ‹W/24h | 1.37 | 1.64 | 1.88 | 1.77 |
| N | 57 | 68 | 78 | 74 |
| | В | В | В | В |
| | XL | XL | 3 XL | XXL |
| nm | 1340 | 1420 | 1921 | 1760 |
| nm | 555 | 650 | 750 | 750 |
| nm | 1455 | 1562 | 2023 | 1879 |
| ٨g | 90 | 120 | 222 | 190 |
| | | | | |
| | 270550 | 270651 | 270800 | 270700 |
| - / / / / / / | itre 1² W/24h V 1m 1m 1m 1m | EWS 200 E Dom 168 - 1 ² 2.0 W/24h 1.37 V 57 B XL 174 1340 1755 1755 1755 270550 | EWS 200 E EWS 301 E Domestic water tank, ename Domestic water tank, ename itre 168 264 - - - n² 2.0 3.4 W/24h 1.37 1.64 V 57 68 B B XL nm 1340 1420 nm 555 650 nm 1455 1562 g 90 120 270550 270651 | EWS 200 E EWS 301 E EWS 500 E Domestic water tank, enamelled Domestic water tank, enamelled itre 168 264 426 - - - - n² 2.0 3.4 6.2 W/24h 1.37 1.64 1.88 V 57 68 78 B B B 1420 11m 555 650 750 11m 555 650 2023 g 90 120 222 270550 270651 270800 |

Accessories

Electric booster heating 6 kW Electric booster heating 6/4" for installation in

a buffer tank. Including temperature regulator and safety temperature limiter. 2, 4 or 6 kW can be optionally connected. **Note:** Not suited for domestic water tank.

| For unit type | Ref. no. |
|---------------|----------|
| KPS, MPS, HPS | 260063 |

Built-in flange heating

Consisting of a high-quality tubular heating element on which an insulated flange plate is fitted. Included: Protective current discharge resistor, thermal probe and safety temperature limiter. Max. operating pressure 10 bar. Heating capacity 6 kW.

Note: Not suited for buffer tanks of the HPS/ MPS/KPS series.

| For unit type | Ref. no. |
|------------------------|----------|
| EWS 301/500 E, KWS 300 | 260175 |

Fin-tube heat exchanger

For additional indirect heating, e.g. with a solar thermal system

| Unit type | RWT 18 | RWT 31 |
|---|--|--------------------------------|
| Suitable for buffers and domestic water tanks | EWS 301 E EWS 500 E KPS 301 KWS 300 | HPS 500 MPS 800 MPS 1000 |
| Heat exchanger surface | 1.40 m ² | 3.10 m ² |
| Installation length in | 440 mm | 530 mm |
| Connection G | 3/4 inch | 1 inch |
| Contents | 1.50 l | 2.50 l |
| Flange | 180/8- hole Ø | 240/12- hole Ø |
| Ref no | 260200 | 260210 |

ACCESSORIES

Brine heat pumps

REMKO SmartControl Touch remote control All functions of the heat pump and heating circuits can be set using the cabled remote control. A room-temperature-guided control of the heating circuits (FBH or radiators) and dew point control are possible due to the separately available Modbus moisture and temperature probe.

| | Ref. no |
|------------------------------------|---------|
| Smart-Control Touch remote control | 248109 |
| Room temperature/moisture sensor | 248103 |

REMKO Smart-Web

Ethernet interface for the connection of commercial home router software. For dialling in to Smart-Control. Setting and reading operating parameters using a smartphone, tablet PC, laptop, etc.

| | Ref. no |
|-----------------|---------|
| REMKO Smart-Web | 248120 |

REMKO Smart-Com Additional software for the integration of the heat pump into a KNX system via a built-in KNX-IP interface, including heat meter installed at the factory (Smart Count).

| | Ref. no. |
|-----------------|----------|
| REMKO Smart-Com | 254090 |
| | |

REMKO Easy-Control EC-1

Centrally used room thermostat for room-guided control of the heat pump in heating/cooling mode. Touch display for setting set temperature, heating mode, absence, switch-on/switch-off. Communication via Modbus protocol

| | Ref. no. |
|-------------------------|----------|
| REMKO Easy-Control EC-1 | 248107 |

Bidirectional power meter

Current meter for Smart Heating/Cooling function, photovoltaic integration. 400V/3~/50 with SO interface

Electrical condensate drainage heating

Temperature-regulated for the safe discharge of defrost water with outside temperatures below the freezing point.

| | Ref. no. |
|---------------------|----------|
| Condensate drainage | 260045 |
| heating | |

External dew point monitor including 1 contact probe An additional safety mechanism to prevent the occurrence of humidity. The humidity is checked directly on the surfaces. Connection of up to 5 measuring probes possible.

| | Ref. no. |
|--------------------------|----------|
| Ext. dew point monitor | 259070 |
| Additional contact probe | 259071 |
| Additional contact probe | 259071 |

Flow sensor

Dynamic hygiene function with frequency output for recording the cold water volume flow rate in the domestic water tank. Regulation according to DIN 1988-200

| | Ref. no. |
|---------------------------|----------|
| Tap volume ≤ 25l/min | 254070 |
| Tap volume \geq 25l/min | 254080 |

Contact probe Pt1000

- For the integration of the following: - A temperature-controlled circulation pump via Smart-Control - A heating circuit with mixer (2 pcs. required) Ref. no. 259060

Immersion probe Pt1000

- Solar reference probe for buffer tank
- Domestic water tank EWS 300
- General buffer probe
- Ref. no. 259062

Collector probe Pt1000 Ref. no. 260102

For the integration of solar thermal systems

3-way switchover valve

Electrical 3-way switchover valve for domestic water preparation and separate cooling circuit (four-pipe system).

| | Ref. no. |
|------|----------|
| 5/4" | 260072 |
| 6/4" | 259055 |

BVT set, separate

For the internal integration of a second heat generator with greater heating capacity. Consisting of: 3-way valve, overflow valve 1"

| BVT set, loose 5/4" | 260081 |
|---------------------|--------|
| BVT set, loose 6/4" | 260101 |

Electronic overflow valve

Overflow protection valve 1" for ensuring that the minimum medium flow rate is maintained (e.g. during the operation of the buffer tank in the return line).

| | Ref. no. |
|------------------------|----------|
| Electr. overflow valve | 260082 |

Air separator 1 1/4" For the permanent ventilation of the heat source or heating system. Glycol-resistant.

Ref. no.

260073

Air separator

Pulse generator circulation For the implementation of a pulse-controlled circulation pump via REMKO Smart-Control.

| | Ref. no. |
|-----------------|----------|
| Pulse generator | 259045 |

Brine pressure switch

Pressure switch for monitoring the brine pressure of the heat source. When the pressure drops under 0.5 bar, the heat pump is switched off automatically.

| Brine pressure switch | 260077 |
|-----------------------|--------|

Ref. no.

Dof no

Heating circuit pump set HGU Speed-controlled (PWM) heating circuit pump without mixer, ball valves with thermometer Ref. no. 259046

Heating circuit pump set HGM

Speed-controlled (PWM) heating circuit pump with a mixer, ball valves with thermometer, 2x Pt1000 contact probes

Ref. no. 259047

Sludge separator

For the filtration of contamination and corrosion products from the heating water, glycol-resistant and insulated

| | Ref. no. |
|-------------------------------|----------|
| 1" to 2.1 m³/h | 260803 |
| 6/4" to 5.4 m ³ /h | 260804 |

Complete heating protection

Corrosion protection and hardness stabilisation for conventional hot water heating systems, floor heaters made of steel, copper and aluminium materials.

| | Ref. no. |
|-------------------------|----------|
| Without anti-freeze 1 l | 260819 |
| With anti-freeze 10 l | 260823 |
| With anti-freeze 20 l | 260807 |
| With anti-freeze 200 l | 260808 |
| With anti-freeze 1000 l | 260809 |

REMKO EFS SERIES

Fresh water stations

REMKO EFS SERIES

Electronically regulated fresh water stations

The fresh water stations of REMKO are used for hygienic domestic water preparation in connection with buffer tanks. The units are completely equipped with electronic control, speed-controlled high-efficiency pump, flow switch, and plate heat exchanger. The heat exchanger is designed for a high flow rate of 18 l/min (EFS 20.1), 32 l/min (EFS 35.1) and/or 50 l/min (EFS 50.1). The flow rate can be increased through cascading. The fresh water stations are delivered ready for mounting in the EPP housing. In the case of the EFS 35.1/50.1, the unit is mounted to the wall. The EFS 20.1 fresh water station permits mounting directly on the tank or wall.

Technical data

| Unit type | | EFS 20.1 | EFS 35.1 | EFS 50.1 |
|--|-------|------------------|-------------------------|-------------------|
| Transmission power | kW | 44 ¹⁾ | 79 ²⁾ | 122 ³⁾ |
| Installation site | | Tank/wall | Wall | Wall |
| Heat pump type | WSP | 80110140180 | 180, 140/180 Duo | 140/180 Duo |
| Min. buffer volume for hot water operation | L | 500 | 800 | 1000 |
| Primary connections IG | Inch | 3/4 | 1 1/2 | 2 |
| Secondary connections AG, flat-sealing | Inch | 3/4 | 1 | 1 1/4 |
| Dimensions - max. height/width/depth | mm | 540/345/324 | 795/602/298 | 795/602/298 |
| Tap volume at 45°C tap temperature and 50°C tank temperature | l/min | 18 | 32 | 50 |
| Tap volume at 45°C tap temperature and 60°C tank temperature | l/min | 31 | 50 | 77 |
| Tap volume at 45°C tap temperature and 70 °C tank temperature | l/min | 39 | 64 | 88 |
| Ref. no. | | 260180 | 260181 | 260182 |

¹⁾ Tapping output at 50°C buffer temperature / 18 l/min / 10°C CW supply line
²⁾ Tapping output at 50°C buffer tank temperature / 32 l/min. / 10°C CW supply line

³⁷ Tapping output at 50°C buffer tank temperature / 32 1/min. / 10°C CW supply line ³⁹ Tapping output at 50°C buffer tank temperature / 50 1/min. / 10°C CW supply line

Accessories

| Unit type | EFS 20.1 | EFS 35.1 | EFS 50.1 |
|---|----------|----------|----------|
| Circulation pump EFS 20.1/35.1/50.1, speed-con- | | | |
| trolled high-efficiency circulation pump for installation | 260185 | 259053 | 259053 |
| directly to the fresh water station | | | |
| 3-way changeover valve for temperature-dependent | | | |
| layering in the buffer tank | 260072 | 260072 | 260072 |

Return flow layering set RES

For EFS 20.1 for connection to a buffer tank, including tanks connection tubes and 3-way changeover valve for temperature-dependent layering in the buffer tank layering in the buffer tank. **Note:** Not suited for EFS 35.1/50.1.

| For device type | Ref. no. |
|-----------------|----------|
| MPS 800 | 259031 |
| MPS 1000 | 259032 |

Tank connection set

For the direct connection of the fresh water station EFS 20.1 to the buffer tank. **Note:** Not suited for EFS 35.1/50.1.

| For device type | Ref. no. |
|-----------------|----------|
| HPS 500 | 259040 |
| MPS 800 | 259041 |
| MPS 1000 | 259042 |

Accessories – solar collectors

3-Way changeover valve Solar, 1" Electrical changeover valve/3-way valve 1" for thermal solar plants

| | Ref. no. |
|------------------------|----------|
| 3-way changeover valve | 260800 |

Glycol

Heat transfer medium with corrosion protection for solar plants (included in the solar set)

| | Ref. no. |
|------|----------|
| 10 L | 260805 |
| 20 L | 260806 |
| | |

Collector connector, straight For the connection of the solar collectors RSK 25 (included in the solar set)

| | Kel. IIO. |
|---------------------|-----------|
| Collector connector | 260810 |

Dof m

Mounting coupling for collector line For the connection of the corrugated solar pipe to the RSK 25 solar collectors (included in the corrugated pipe mounting set)

Mounting coupling

RSK 25-10

Flat roof installation set For solar collectors

| | Ref. no. |
|-----------------------|----------|
| RSK 25-5 | 260842 |
| 3x flat roof brackets | |
| 1x safety support | |
| RSK 25-10 | 260843 |
| 5x flat roof brackets | |
| 1x safety support | |

Insulated, corrugated pipe For solar collectors for RSK 25-5 and RSK 25-10, including probe cable

| | Ref. no. |
|--|----------|
| 10 m, including connection set | 260900 |
| 15 m, including connection set | 260901 |
| 25 m, including connection set | 260902 |
| Corrugated pipe, running metre (max. 25 m) | 260869 |
| Installation set, separate | 260870 |

| Rooftop anchor set Complete rooftop anchor set for solar collectors | | | | |
|--|--------------------|----------|--|--|
| For solar package | For tile type | Ref. no. | | |
| RSK 25-5 | Frankfurter tile | 260850 | | |
| RSK 25-10 | Frankfurter tile | 260855 | | |
| RSK 25-5 | Crown tile | 260851 | | |
| RSK 25-10 | Crown tile | 260856 | | |
| RSK 25-5 | Slate | 260852 | | |
| RSK 25-10 | Slate | 260857 | | |
| RSK 25-5 | Rafter-independent | 260853 | | |

Rafter-independent

Ref. no.

260865

Crown tile

Slate tile

OVERVIEW OF INDOOR UNITS

Chilled-water units for cooling and heating

REMKO WLT EC SERIES

Wall units in 2-pipe design with multifunctional control technology

| Unit type | | WLT 30-90 EC | |
|------------------------------------|-------------|---------------------|--|
| Cooling capacity | kW | 2.8 - 9.3 | |
| Heating capacity | kW | 4.2 - 11.3 | |
| For technical data, see REMKO cold | water air c | onditioning systems | |

REMKO KWD EC SERIES

Ceiling cassette in 2-pipe design with multifunctional control technology

| Unit type | | KWD 25-100 EC |
|--|-------------|-------------------|
| Cooling capacity | kW | 2.6 - 9.7 |
| Heating capacity | kW | 3.7 - 12.3 |
| For technical data, see REMKO cold wat | ter air con | ditioning systems |

REMKO KWK EC (DM) SERIES

Wall and ceiling chests in 2-pipe or 4-pipe design with infinitely variable EC fan

| Unit type | | | KWK 135-875 EC (DM) |
|--------------------|--------------------|------------|---------------------|
| Cooling capacity | | kW | 1.3 - 8.8 |
| Heating capacity | | kW | 1.6 - 9.2 |
| For technical data | see REMKO cold wat | er air con | ditioning systems |

REMKO KWK EC ZW SERIES

Ceiling chests in 2-pipe or 4-pipe design with infinitely variable EC fan for installation into false ceilings

| Unit type | | | KWK 135-875 EC ZW |
|------------------|--------|----|-------------------|
| Cooling capacity | | kW | 1.3 - 8.8 |
| Heating capacity | | kW | 1.6 - 9.2 |
| | 551110 | | 1 |

For technical data, see REMKO cold water air conditioning systems

REMKO HEAT PUMP CONFIGURATOR

The way to the right heat pump

Using the heat pump configurator, you can configure an appropriate inverter heat pump for your operations quickly and easily. In addition to the appropriate heat pump, the configurator also shows the hydraulic diagram, the accessory parts required for installation, the bivalence point, and the right Energy Label of the heat pump system.

Heat pump configurator

https://www.remko.de/berechnungshilfen/ konfiguratoren/waermepumpen-konfigurator/

REMKO QUALITY WITH SYSTEMS

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