Gebwell heat pump accessories

Installation set for ground source heat pump

The installation set was designed to facilitate and speed up the installation of Aries ground source heat pump.

Installation set includes

- Collector valve group
- Expansion tank of 12l for collector
- Safety valve for collector 2,5 bar
- Filling group for heating circuit
- Expansion tank of 12l for heating circuit
- Safety valve for heating circuit 2,5 bar
- Shut-off valve for heating circuit
- Filter for heating circuit
- Pressure meters for collector and heating circuit
- Mixing valve for DHW
- Safety valve for DHW 10 bar
- Hanging hooks

- Manufactured in Finland
- Reduces installation time considerably
- A large part of the installation accessory ready
- Collector pipes ready insulated
- Ground circuit pre-pressurized
- Speeds up the deaerating
- Collector filling valve from DHW
- Smart and neat finishing for installation
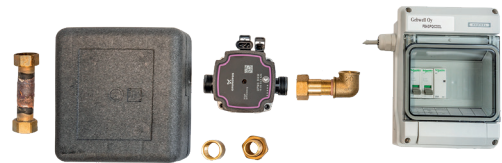- Installable onto the side of ground source heat pump or onto the wall beside the pump

Installation set

Cooling supplies for installation set

Supplies for completing the installation set suitable for cooling:

Delivery contents:
- Cooling pump
- Shut-off valves in/out
- Non-return valve
- Control centre for cooling

Cooling accessories for installation set

Heating pump extension for installation set

Supplies for completing the installation with an additional pump for heating circuit, especially for radiator heating systems.

Delivery contents:
- Circulation pump
- Non-return valve
- Connectors

Heating pump extension for installation set

Product	GTIN	Feasibility, GSHP	Weight, kg	Outer dimensions (d x b x h), mm
Installation set	6415853626156	Aries	22,0	340 x 540 x 870
Cooling supplies for installation set	6415853626163	Aries	5,8	-
Heating pump extension for installation set	6415853626170	Aries	3,6	-

Gebwell Cool cooling convector

Wall-mounted cooling convector is elegant by style and silent by operation.

Filters on the convector are washable and reusable and the convector is equipped with wireless remote control. The convector is suitable especially for domestic and office use.

- Elegant and silent
- Washable and reusable filters
- Equipped with wireless remote control
- On/Off timer
- For domestic and office use

Gebwell Cool		
Cooling		
Total cooling capacity	kW	2,49
Sensible cooling capacity	kW	1,81
Water flow	l/h	427
Pressure drops	kPa	28
Heating		
Heating capacity	kW	3,21
Water flow	l/h	427
Pressure drops	kPa	23
Air flow (max / med / min)	m³/h	500 / 370 / 290
Power supply	V / Ph / Hz	230V / 1Ph / 50 Hz
Pipe connections	G	½"
Sound pressure level (max / med / min)	dB(A)	37 / 30 / 26
Dimensions		
Height	mm	300
Width	mm	875
Depth	mm	220
Weight	kg	16

Collector valve group

Valve group makes the filling and the venting of collector easy. In addition, the dirt filter removes the possible dirt particles in the liquid circulation.
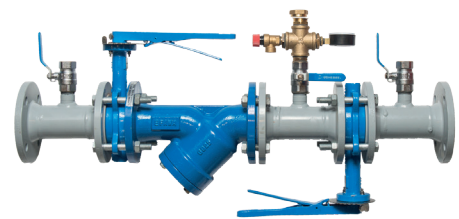
DN25 and DN32 collector valve group models include an expansion vessel through which the annual liquid checks can be done.

Valve group is insulated with a polystyrene box to prevent the formation of condensation water.

Valve group is meant as accessory for all Gebwell heat pumps.

Collector valve group DN25

Collector valve group DN65-80

Collector valve group	GTIN	Feasibility, GSHP	Feasibility, kW	Expansion tank type, vol. l	Connections, GSHP	Connections, collector
DN25	6415853619813	Aries	6-13	open, 5 l	1" male	Pipe conn . 1"
DN32	6415853619752	T3 Inverter	16-30	open, 5 l	1¼" female	PEM 40
DN50	6415853619783	T3 Inverter, Gemini Inverter, Taurus Inverter Pro and Taurus EVIC	30-50	-	Flange 50	Flange DN50
DN65	6415853619790		85	-	Flange 65	Flange DN65
DN80	6415853619806		100	-	Flange 80	Flange DN80

Change-over valve set

The change-over valve set turns the water flow to heating domestic water or the water circulating in the heating system.

The change-over valve set includes the change-over valve and an actuator. Accessory for the Gebwell T3 Inverter, Gemini Inverter, Taurus Inverter and Taurus EVIC heat pumps.

Change-over valve set

Change-over valve set	GTIN	Feasibility, heat pump	Flow range l/s	Change-over valve KVS value
VV4 Change-over valve set 26-32 kW	6415853623599	T3 Inverter and Gemini Inverter	0,7-2,2	25
VV5 Change-over valve set 33-85 kW	6415853623605	Gemini Inverter, Taurus Inverter Pro, Taurus EVIC	1,7-7	73

Circulation pump sets for domestic water

Circulation pump set for domestic hot water circulation

The circulation pump set contains the water circulation pump, pump valve and line adjustment valve.
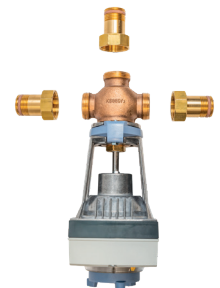

Hot water circulation GSHP DN20

Circulation pump set for domestic water	GTIN	Circulation pump
Hot water circulation GSHP DN15	6415853623148	Grundfos UPM3 15-50 DHW CIL
Hot water circulation GSHP DN20	64158 53623155	Grundfos UPS 25-60N
Hot water circulation GSHP DN25	64158 53623162	Grundfos UPS 25-60N
Hot water circulation GSHP DN32	64158 53623179	Grundfos UPS 25-80N
Hot water circulation GSHP DN40	64158 53623186	Grundfos UPS 25-80N

DHW shunt

DHW shunt transfers heat from accumulator tank to heat domestic hot water.

DHW shunt includes a three-way valve and actuator as well as connectors, nuts and a sensor. DHW shunt and HEX includes heat exhanger, circulation pump, connectors and a sensor.

DHW shunt 4-8 apartments

DHW shunt	GTIN 64158..	Circulation pump	Control valve KVS value	Maximum flow l/s
DHW shunt 1 apartment	53623193	-	2,5	0,27
DHW shunt 2-3 apartments	53623209	-	4	0,43
DHW shunt 4-8 apartments	53623223	-	6,3	0,68
DHW shunt 9-20 apartments	53623230	-	10	1,08
DHW shunt 21-54 apartments	53623216	-	16	1,72
DHW shunt 55-129 apartments	53626507	-	25	2,69
DHW shunt 130-175 apartments	53626514	-	40	4,30
DHW shunt and HEX 1-4 apartments	53626187	Grundfos UPM Geo 25-85	-	0,55
DHW shunt and HEX 5-16 apartments	53626194	Grundfos Magna3 25-100	-	0,99
DHW shunt and HEX 17-32 apartments	53626200	Grundfos Magna3 40-120	-	1,35
DHW shunt and HEX 33-50 apartments	53626217	Grundfos Magna3 40-120	-	1,65
DHW shunt and HEX 51-100 apartments	53626224	Grundfos Magna3 40-120	-	2,27
DHW shunt and HEX 101-150 apartments	53626231	Grundfos Magna3 40-150	-	2,96

Heating control group

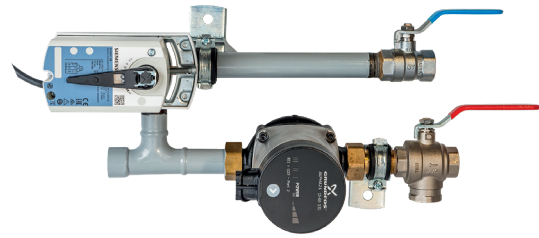### With heating control group the adjusting of heating network is easy

Connecting the heating control group to the heating network is easy and effortless. By connecting another control group to heat pump, you can heat damp spaces all-year round regardless of other spaces' heating needs.

Heating control group is meant as accessory for all Gebwell heat pumps.

Control group includes

- Heating pump
- Shut-off valve
- Control valve with actuator
- Dirt filter
- Needed sensors, electric cables, hangers
- Wall mounting rails

- Reduces installation time
- Effortless connecting of the control group to the heating network
- Easy adjustment of the heating circuit by the heating control group

Heating control group Aries and LSR Si KV4

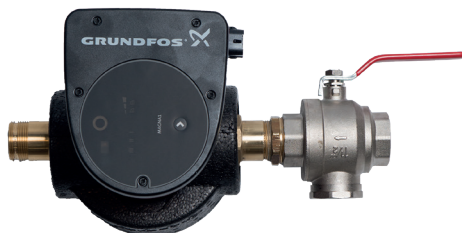

Heating control group LSR Si KV6.3-16

Heating control group LSR Si KV25

Heating control group	GTIN	Feasibility, heat pump	Feasibility, radiator heating, kW	Feasibility, floor heating, kW	Valve KVS value	Circulation pump
Heating control group Aries	6415853626125	Aries	1.5-7.5	1.5-7.5	4	Grundfos UPM3 Auto 15-70
Heating control group KV4 R1-23 F1-6	6415853619820	T3 Inverter, Gemini Inverter, Taurus Inverter Pro and Taurus EVIC	1-23	1-6	4	Grundfos UPM3 Auto 15-70
Heating control group KV6,3 R23-45 F6-14	6415853619837		23-45	6-14	6.3	Grundfos Magna 3 25-100
Heating control group KV10 R45-70 F14-22	6415853619844		45-70	14-22	10	Grundfos Magna 3 25-100
Heating control group KV16 R70-110 F22-36	6415853619851		70-110	22-36	16	Grundfos Magna 3 25-100
Heating control group KV25 R110-180 F36-56	6415853619868		110-180	36-56	25	Grundfos Magna 3 40-120
Heating control group KV40 R180-240 F56-90	6415853619875		180-240	56-90	40	Grundfos Magna 3 40-120
Pump heating group 0,6 l/s - 3m	6415853619882		15-23	1-6	-	Grundfos UPM3 Auto 15-70
Pump heating group 1,7 /s - 5,5m	6415853619899		23-110	6-36	-	Grundfos Magna 3 25-100
Pump heating group 3,3 l/s - 6m	6415853619905		110-240	36-90	-	Grundfos Magna 3 40-120

Its recommended to install the block thermostat in underfloor heating. The block thermostat are delivered by Gebwell Ltd.

Pump heating group 2m3/h

Pump heating group 6m3/h

Pump heating group 12m3/h

Automation accessories — Gebwell Smart heat pumps

Code	Name	Description
Expansion modules		
G5212254	TC1.2 expansion module for Gebwell Smart heat pump	Used with heating circuit mixing groups and flow sensors. Includes Climatix POL955 extension module and connectors. Does NOT include the valves, actuators or sensors.
G2931891	TC1.4 expansion module for Gebwell Smart heat pump	Used with cascade systems, to control additional / back-up heat. Includes Climatix POL955 extension module, connectors and two NTC10k water sensors with 4m leads.
G1716587	TC1.5 expansion module for Gebwell Smart heat pump	Used with active cooling feature. Includes Climatix POL955 extension module, connectors and activation of the feature on the controller. Does not include cooling tank, valves, actuators or sensors.
G1750700	TC1.6 expansion module for Gebwell Smart heat pump	Used with cooling circuit mixing groups. Includes Climatix POL955 extension module and connectors. Does not include valves, actuators or sensors.
G5790493	TC1.7 expansion module for Gebwell Smart heat pump	Used with DHW mixing group and heating/source circuits pressure sensors. Includes Climatix POL955 extension module and connectors. Does not include valves, actuators or sensors.
G3206076	TC1.8 expansion module for Gebwell Smart heat pump	Used with Auxilary measurement module. Includes Climatix POL955 extension module, connectors and activation of the feature on the controller. Does not include valves, actuators or sensors.
Communication modules		
G4722856	M-bus communication module	Includes POL907 module and connectors.
G7042677	Modbus RTU communication module	Modbus allows transferring data through the Modbus protocol from the controller of heat pump to the higher-level automation system Includes POL902 module and connectors.
Enclosures for expansion modules		
G1699982	Enclousure for two POL955 extension modules.	Includes plastic enclousure, main switch, 24AC 40VA transformer and 24DC power supply. Does not include extension modules.
G6142649	Enclousure for three POL955 extension modules.	Includes plastic enclousure, main switch, 24AC 60VA transformer and 24DC power supply. Does not include extension modules.
Flow meters		
ENEM7000	Energy meter CLI - Aries, Taurus EVIC (de-superheater)	For measuring the energy produced. Includes connectors, seals and the sensor cable and its connectors. Feasability: 0,2-50 l/min (0,83 l/s) Maksimi: dt 5K = 17kW, dt 6K = 21kW, dt 7K = 24kW
ENEM8000	Energy meter CLI - T3 Inverter, Gemini Inverter	For measuring the energy produced. Includes connectors, seals and the sensor cable and its connectors. Feasability: 0,2-100 l/min (1,67 l/s) Maksimi: dt 5K = 35kW, dt 6K = 42kW, dt 7K = 49kW
ENEM9000	Energy meter - Taurus Inverter Pro, Taurus EVIC	For measuring the energy produced. Includes connectors, seals and the sensor cable and its connectors.Feasability: 5-300 l/min (5,00 l/s) Maksimi: dt 5K = 105kW, dt 6K = 126kW, dt 7K = 147kW
The wireless room sensor The wireless room sensor allows you to read the room temperature quickly, accurately and effortlessly without installing cables or drilling into walls. The delivery includes a base station and the sensors. The measurements from the wireless room sensor are stored in the Gebwell Smart cloud. Especially recommended for the buildings with big internal heat loads, such as fireplaces or in a properties with need to notify the external heat sources (sun, people, household appliances)		
AMRanturi	Wireless sensor for indoor use	Temperature and humidity sensor for the ACR cloud base station
9005952	Cloud base station ACR + PS1	Wireless sensor and base station for the Gebwell Smart controller