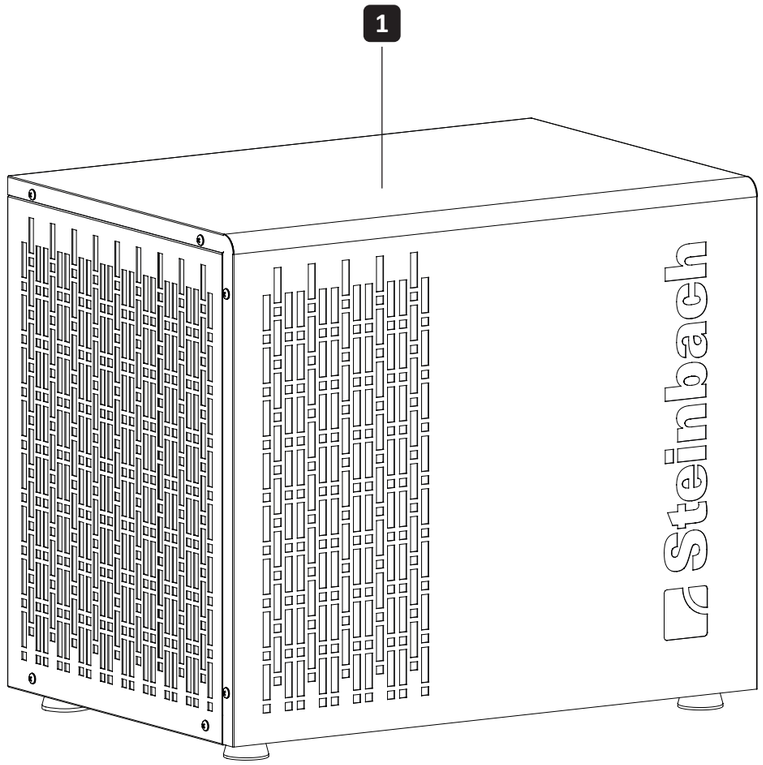
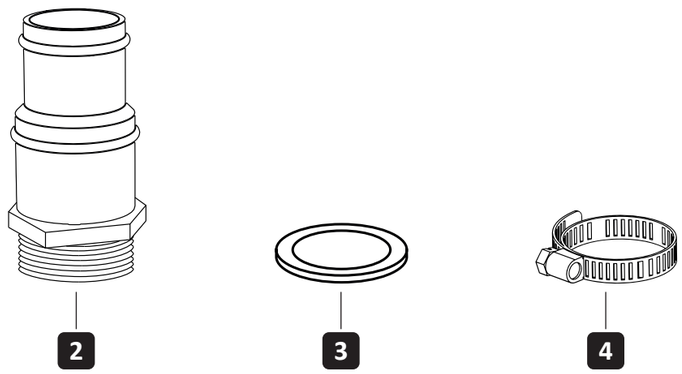
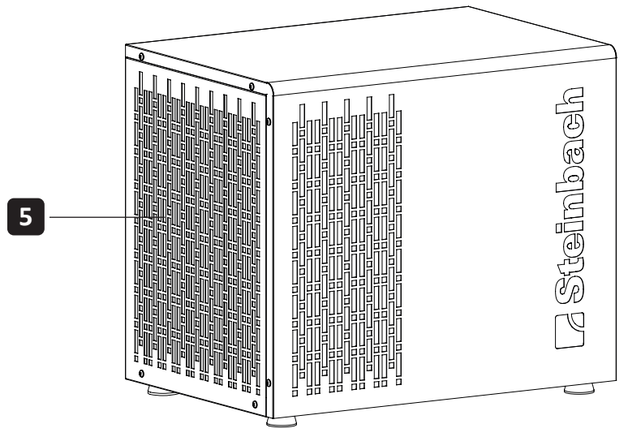
Overview





A



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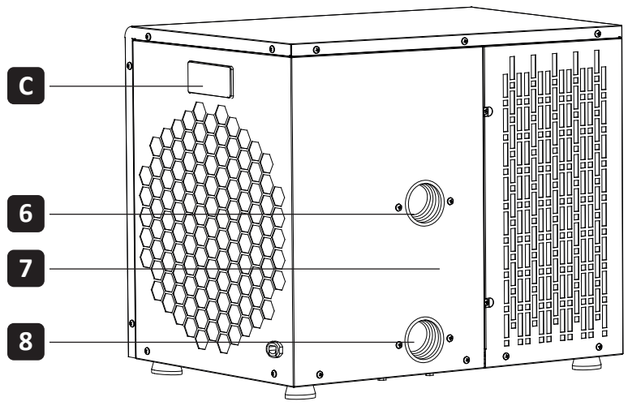

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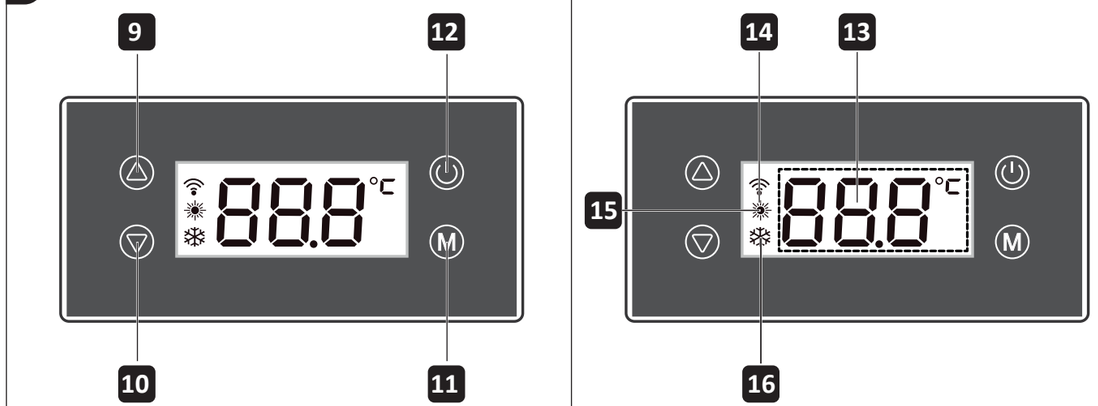


Scope of delivery

1 Heat pump
2 Hose nozzle Ø 32/38 x 1 1/2“ external thread (2x)
3 Seal; Pre-assembled in the adapter (x2)
4 Hose clamp (x2)

Device parts

5 Finned heat exchanger
6 Water connection output
7 Power cord passage (power cord not shown)
8 Water connection input

(C) Display: Operating and display elements

9 Button **Up**
10 Button **Down**
11 Button **Mode**
12 Button **On/Off**
13 Display **Temperature**
14 Display **WiFi**
15 Display **Heat-Mode**
16 Display **Cooling-Mode**

Table of contents

General

Read and keep the operating instructions

These operating instructions belong to this Startis Inverto heat pump (hereinafter also referred to as „appliance“ or „heat pump“). It contains important information on commissioning and operation.
Read the operating instructions carefully, especially the safety instructions, before using the appliance. Failure to observe these operating instructions may result in serious injury or damage to the appliance.
Keep the operating instructions in a safe place for future use. If you pass the appliance on to a third party, be sure to include these operating instructions.

Intended use

This device is designed exclusively for heating or cooling water fed through as part of the water treatment system for private swimming pools.
The salt concentration of the water must not exceed 0.5% (equivalent to 5 g/l or 5,000 ppm). This appliance may only be used outdoors. It is intended exclusively for private use and is not suitable for commercial use.
Only use the appliance as described in these operating instructions. Any other use is considered improper and may result in damage to property or even personal injury. The appliance is not a children‘s toy.
The manufacturer or dealer accepts no liability for damage caused by improper or incorrect use.

Explanation of symbols

The following symbols are used in this quick guide, the user manual (see QR code), on the device, or on the packaging.

Read this quick installation guide and the operating manual from the QR-code below.

The operating manual contains important information about maintenance and repairs.

Risk of electric shock! Warning! Electric voltage.

The operating manual contains important additional information.

Warning! Risk of fire! Flammable materials.

Products marked with this symbol conform to protection class I.

Never use sharp knives or other sharp objects to open the packaging. They might damage the content.

Safety

The following signal words are used in these operating instructions.

⚠ WARNING!	This signal symbol/word indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.
⚠ ATTENTION!	This signal symbol/word indicates a hazard with a low level of risk which, if not avoided, may result in a minor or moderate injury.
NOTE!	This signal word warns of possible material damage.

General safety instructions

⚠ WARNING!

Risk of fire and explosion!

The refrigerant circuit of the appliance contains highly flammable, odourless gas under high pressure. If refrigerant escapes uncontrollably, there is a risk of fire and explosion. A safety area of one metre must be maintained around the appliance.

» Only operate the appliance outdoors.
» There must be no heat sources, open flames or ignition sources such as sockets or light switches within the safety zone.
» Windows, doors, cellar entrances and other building openings must not be located within the safety zone.
» The device must be placed on a solid surface, as R290 is heavier than air and must not enter the ground or sewage system in the event of a leak.
» Only store the device in well-ventilated areas.

⚠ WARNING!

Risk of injury due to lack of qualification!

Lack of experience or skill in the use of required tools and lack of knowledge of regional or standard regulations for required manual work can result in serious injury or damage to property.

» Commission a qualified specialist for all work where you cannot assess the risks through sufficient personal experience.

⚠ WARNING!

Risk of electric shock!

» Do not operate the heat pump if it is visibly damaged or if the mains cable or mains plug is defective.
» Only connect the heat pump to sockets installed in accordance with standards and protected by a residual current device (RCD) with a maximum permissible residual current of 30 mA.
» Never pull the mains plug out of the socket by the mains cable; always hold the mains plug.

⚠ WARNING!

Risk of injury for people with personal disabilities or a lack of experience and knowledge!

Improper handling of the device can result in serious injury or damage to the device.

» Do not leave the appliance unattended during operation.
» Only allow others access to the appliance after they have read and understood these instructions in full or have been informed of the intended use and the associated dangers.
» Never allow persons with reduced physical, sensory or mental capabilities (e.g. children or intoxicated persons) or lack of experience and knowledge (e.g. children) near the appliance unsupervised.

⚠ ATTENTION!

Risk of injury when moving heavy equipment!

The appliance is heavy! Incorrect lifting or uncontrolled tilting of the appliance can lead to injuries or damage to the appliance.

» Lift, carry or tilt the appliance with at least two people, never alone.
» Ensure correct posture (straight back, secure footing, etc.).
» Use transportation aids (e.g. pallet truck or rolling board).
» Wear protective equipment such as safety shoes or gloves.

Preparation

⚠ WARNING!

Choking hazard due to packaging material!

Packaging material can lead to death by suffocation. Especially for children and mentally impaired people, who are unable to assess the risks due to a lack of knowledge and experience, there is an increased potential for danger.

» Make sure that children and mentally impaired people do not play with the packaging material.

NOTE!

Careless opening of the packaging, especially with sharp or pointed objects, can cause damage to the device.

» Open the packaging as carefully as possible.
» Do not penetrate the packaging with sharp or pointed objects.

Check the scope of delivery for completeness and damage

1. Open the packaging carefully.
2. Remove all parts from the packaging.
3. Check that the scope of delivery is complete.
4. check the scope of delivery for damage.

Basic cleaning of the appliance

1. Remove the packaging material and any protective film, if present.
2. Clean all parts of the scope of delivery as described in the „Cleaning“ chapter.

The appliance is cleaned and prepared for use.

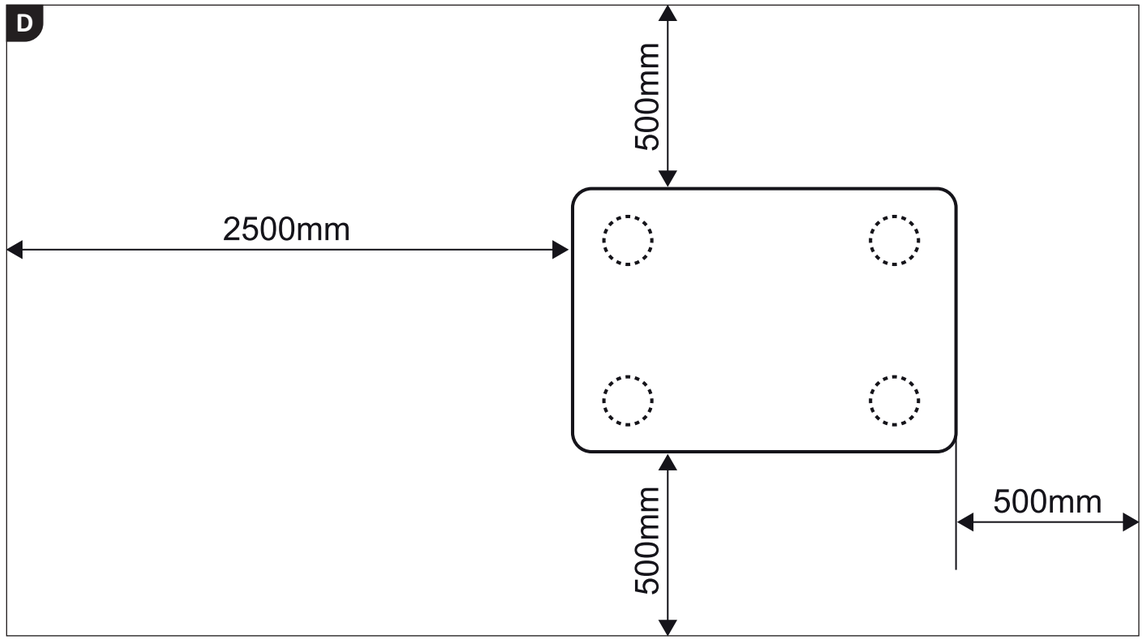
Prepare the stand and connections

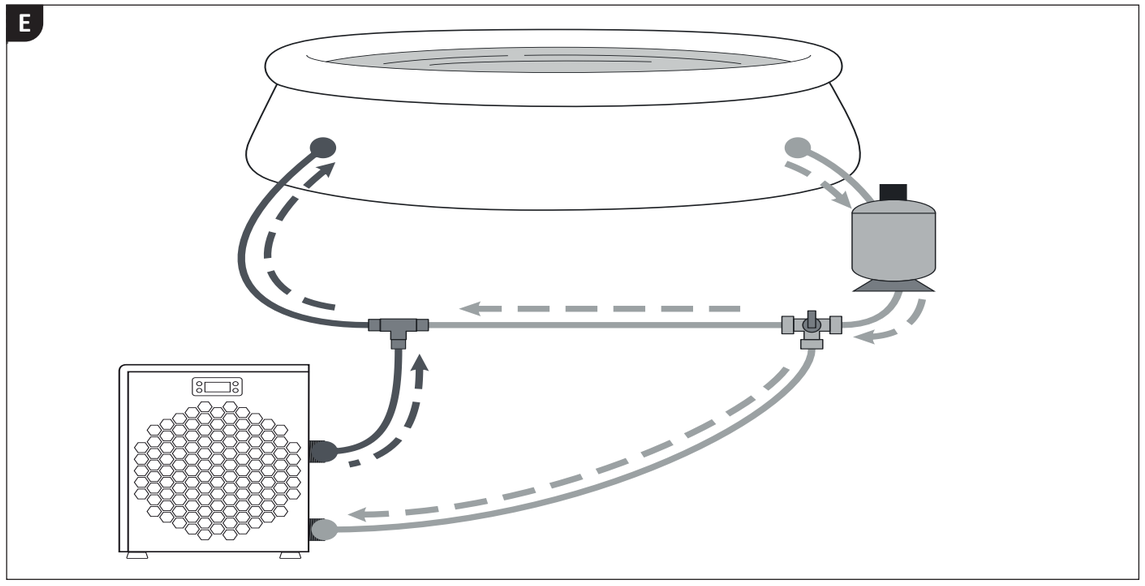
A good choice and preparation of the location makes the installation and operation of the heat pump much easier. The following requirements must be met or considered:

» Outdoor stand
» Stable, level and waterproof surface
» Ensure that the safety area is observed (see chapter ‘General safety instructions’)
» Required minimum distance from walls or objects (see **Fig. D**)
» Required minimum distance of 2m from the pool
» Easy connection of the water pipes
» Easy connection of the power supply
» Easy access to the display
» Possibility to drain the condensation water

For even more efficient use of the heat pump, we also recommend our Steinbach bypass set (Item Nr. 060045).

D





The heat pump must be operated with filtered water.

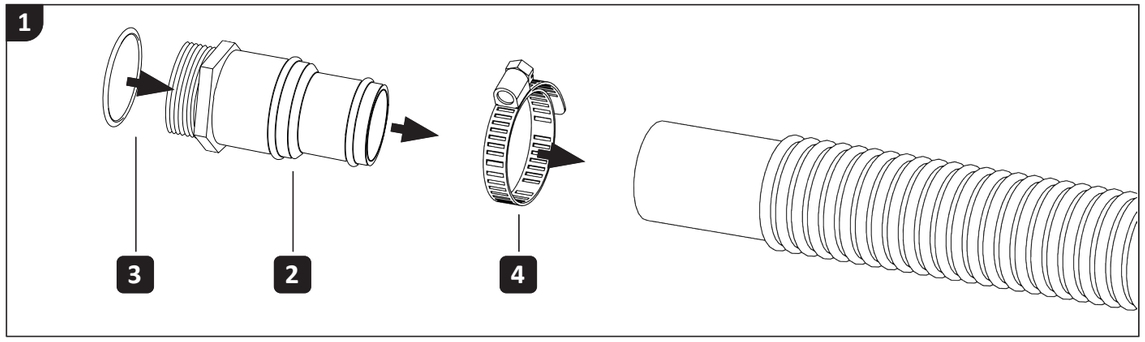
Prepare the stand

1. Position the heat pump exactly as it will be later.
2. Lay the hose lines from the water treatment system to the location of the heat pump, making sure that all lines laid to the heat pump are not under tension and do not obstruct any paths.
3. Lay a supply line for the power supply to the heat pump (see Technical data). Use an extension cable or a socket outlet with a suitable protection class for the ambient conditions of the connection point!

The stand is prepared.

Installation

Fitting the adapter to the hose ends



1. Attach a hose clamp **4** to the end of the supply line.
2. Insert an adapter **2** into the end of the supply cable.
3. Secure the adapter **2** by tightening the hose clamp **4** on the end of the supply line hose.
4. Push the seal **3** over the thread onto the adapter **2**.
5. Insert the seal **3** flat, up to the stop, into the screw side of the adapter **2**.
6. Fit the second adapter to the hose end of the drain in the same way.

The adapters are fitted to the hose ends.

Connecting the cables

Connecting water pipes

1. Place the heat pump at the prepared location.
2. Clean the water connection outlet **6** and the water connection inlet **8** on the heat pump **1** of coarse impurities.
3. Clean the adapters **2** on the hose ends of the water pipes to remove any coarse impurities.
4. Screw the drain pipe onto the water connection outlet **6**.
5. Screw the inlet pipe onto the water connection inlet **8**.

The water pipes are connected.

Establishing the power supply

Connect the mains plug at the end of the mains cable **7** to the power supply prepared at the stand. As soon as the power supply is connected, all display elements on the display **C** light up.

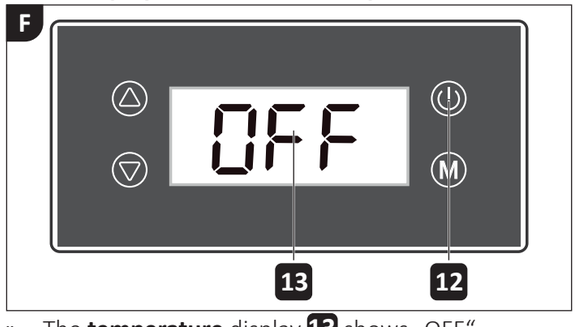
Among other things, the following QR code will take you to the heat pump operating instructions, product registration and the link to the 'Steinbach Control' app.

Display

Standby-Mode

In standby mode, the heat pump is ready for operation but deactivated. The water is neither heated nor cooled. By pressing the button **On/Off** 12 the heat pump switches between standby mode and an operating mode.

Active display elements in standby mode:



» The **temperature** display 13 shows „OFF".

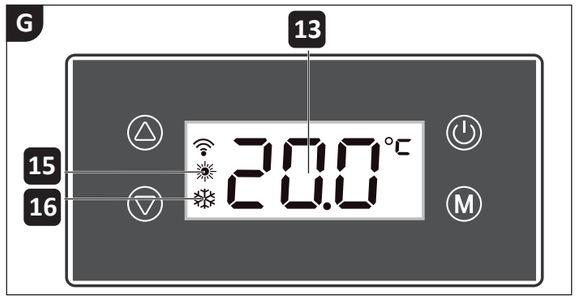
Operating modes

By pressing the button **Mode** 11 the heat pump switches between the operating modes. The set water temperature can be a value between +10°C and +45°C.

The heat pump has the following **operating modes:**

1. Operating mode **Heating**
   The heat pump heats the pool water to the set temperature.
2. Operating mode **Cooling**
   The heat pump cools the pool water to the set temperature.
3. Operating mode **Defrost**
   At low ambient temperatures, the temperature at the heat exchanger can drop so low in heating mode that the condensation water freezes and the heat exchanger ices up; the heat pump monitors the temperature at the heat exchanger and defrosts automatically if necessary.

Active display elements in operating mode:



» **Heating** or **cooling** operating mode: The display **Heating-Mode** 15 or **Cooling-Mode** 16 lights up.
» Operating mode **Defrost**: The display **Heating-Mode** 15 lights up and the display **Cooling-Mode** 16 blinks.
» The display **temperature** 13 shows the current water temperature at the water connection input 8 or the set target temperature.

Operation

⚠ WARNING!

Danger to life due to operation of the water treatment system while bathing!

Hair or items of clothing can be sucked in at the suction opening of the pool and, in extreme cases, trap people under water and prevent them from surfacing.

» Never operate water treatment system devices while people are in the pool.
» Prevent any access to the pool while water treatment system devices are in operation.

⚠ ATTENTION!

Risk of injury!

A damaged device or damaged accessories can lead to injuries.

» Check the device and accessories (see chapter Checking).

NOTE!

Reduced or blocked ventilation of the heat pump can lead to inadequate removal of heat or moisture. This can cause mold growth or overheating of the finned heat exchanger, for example.

» Clean the grille in front of the fan impeller and the fins of the heat exchanger regularly and ensure that no impurities such as leaves or similar get inside the heat exchanger.
» Ensure that the grille on the heat exchanger is never covered and that air can flow freely through the appliance.

Activate heating

Select this operating mode if your pool water temperature is permanently below your desired temperature.

The pool water is heated most quickly when the heat pump is operating at maximum flow rate (see Technical data on page 44). As a result, the temperature difference between the pool water and the heated water at the pool inlet is smaller and therefore less noticeable. Please measure and note the change in the current water temperature every 30 minutes to determine the actual heating of the pool water.

Activate heating operating mode

1. Switch on the filter system.
2. The heat pump requires sufficient water flow for operation.
3. Deactivate the button lock, if it is active, by pressing and holding the buttons **Up** 9 and **Down** 10 for 3 seconds.
   The key lock activates automatically after 60 seconds of inactivity.
4. Press and hold the button **On/Off** 12 for 3 seconds.
   The heat pump switches from standby mode to operating mode.
5. Press the button **Mode** 11 (repeatedly) until the desired operating mode is active.
   *The **Heating-Mode** 15 indicator lights up.*
   The heating operating mode is activated.

If the error code „E 03“ appears on the display, the water flow through the heat pump is too low. You can increase the flow rate using the 3-way valve of a by-pass set. Please also refer to the more detailed information in the Troubleshooting chapter on page 42.

Setting the set temperature

1. Deactivate the key lock, if it is active, by pressing and holding the buttons **Up** 9 and **Down** 10 for 3 seconds.

   The key lock is activated automatically after 60 seconds of inactivity.
2. Press the button **Down** 10 or **Up** 9 (repeatedly) until the desired setpoint temperature is set.
   *The display **temperature** 13 shows the desired set temperature.*
3. Press the button **On/Off** 12, to confirm your entry.
   The heat pump starts as soon as the input temperature **falls below** the set target temperature**.**
   The desired setpoint temperature is set.

Activate cooling

Select this operating mode if your pool water temperature is permanently above your desired temperature, e.g. due to sunlight, and does not cool down enough during the night.

The pool water is heated most quickly when the heat pump is operating at maximum flow rate (see Technical data). As a result, the temperature difference between the pool water and the heated water at the pool inlet is smaller and therefore less noticeable. Please measure and note the change in the current water temperature every 30 minutes to determine the actual heating of the pool water.

Activate cooling operating mode

1. Switch on the filter system.
   The heat pump requires sufficient water flow for operation.
2. Deactivate the button lock, if it is active, by pressing and holding the buttons **Up** 9 and **Down** 10 for 3 seconds.
   The key lock activates automatically after 60 seconds of inactivity.
3. Press and hold the button **On/Off** 12 for 3 seconds.
   The heat pump switches from standby mode to operating mode.
4. Press the button **Mode** 11 (repeatedly) until the desired operating mode is active.
   *The display **Cooling**-Mode 16 lights up.*

The cooling operating mode is activated.

If the error code „E 03“ appears on the display, the water flow through the heat pump is too low. You can increase the flow rate using the 3-way valve of a by-pass set. Please also refer to the more detailed information in the Troubleshooting chapter (see Troubleshooting on page 42).

Setting the set temperature

1. Deactivate the key lock, if it is active, by pressing and holding the buttons **Up** 9 and **Down** 10 for 3 seconds.
   The key lock is activated automatically after 60 seconds of inactivity.
2. Press the button **Down** 10 or **Up** 9 (repeatedly) until the desired setpoint temperature is set.
   *The display **temperature** 13 shows the desired set temperature.*
   Press the button **On/Off** 12, to confirm your entry.
   The heat pump starts as soon as the input temperature **exceeds** the set target temperature.

The desired setpoint temperature is set.

Manual defrosting

At low ambient temperatures, the temperature at the heat exchanger can drop so low in **heating mode** that the condensation water freezes and the heat exchanger ices up. The appliance monitors the temperature and defrosts automatically if necessary, but also offers the option of initiating the defrosting process manually.

Activate defrost mode

1. Activate the heating operating mode.
   *The display **Heating-Mode** 15 lights up.*
2. Press and hold the button **Mode** 11 and **Down** 10 simultaneously for about 3 seconds.
   *The display **Heating-Mode** 15 lights up and the display **Cooling-Mode** 16 blinks.*
3. Wait a few minutes until the defrosting process is complete.
   *The display **Cooling-Mode** 16 expires.*

The defrosting process is complete.

Change temperature scale [°C/°F]

The heat pump has the option of displaying all measured and set temperatures in °C or °F. Press and hold the buttons **Up** 9, **Down** 10 and **Mode** 11 simultaneously for about 3 seconds to switch between the temperature scales. The corresponding symbol for the display **temperature** 13 lights up.

Key lock („LOC“)

The key lock is activated automatically after 60 seconds of inactivity.
The key lock is deactivated by pressing and holding the buttons **Up** 9 and **Down** 10 simultaneously for about 3 seconds.

Reset to factory settings

1. Press the button **On/Off** 12, to switch the heat pump to standby mode.
   All display elements of the operating modes are extinguished. The heat pump is in standby mode.
2. Press and hold the buttons **On/Off** 12 and **Mode** 11 for about 10 seconds.
   An acoustic signal sounds.

The heat pump control unit is reset to the factory settings.

Pairing the app with the device

To control your heat pump with your smartphone, it is necessary to pair them with each other in advance. This requires your smartphone to be connected to a WiFi router whose WiFi signal can also be received by the heat pump.

Please note that the „Steinbach Control“ app only supports the 2.4 GHz channel of the WiFi router. For pairing, the 5.0 GHz channel on the WiFi router must be deactivated.

The app allows you to make changes to the following heat pump settings via your smartphone:

» Change the set temperature of the pool water
» Change operating mode Switch to standby mode
» Change power level
» Set time control
» Display measured temperatures

Pairing for the first time

1. Press the button **On/Off** 12.
   The heat pump is activated and is in an operating mode.
2. Press and hold the buttons **Up** 9 and **On/Off** 12 for about 3 seconds.
   *The display **WiFi** 14 starts to blink.*
3. Connect your smartphone to the WiFi router.
4. Start the app **„Steinbach Control“.**
5. Press the button **Add device** or the button **+** in the APP.
   All available heat pumps are displayed.
6. Select your heat pump from the list.
   Enter the access data for your WiFi router and pair the heat pump with the app.
   As soon as the device has been successfully paired, you will be able to access your heat pump under „My devices“ in future.

The app is paired with the device for the first time.

Uninstallation

⚠ ATTENTION!

Risk of injury when moving heavy equipment!

The appliance is heavy! Incorrect lifting or uncontrolled tilting of the appliance can lead to injuries or damage to the appliance.

» Lift, carry or tilt the appliance with at least two people, never alone.
» Ensure correct posture (straight back, secure footing, etc.).
» Use transportation aids (e.g. pallet truck or rolling board).
» Wear protective equipment such as safety shoes or gloves.

Terminating the cables

Disconnect the power supply

1. Press the button **On/Off** 12, to switch the heat pump to standby mode.
   All operating mode displays have gone out. The heat pump is in standby mode.
2. Disconnect the mains cable plug 8 from the supply line to the power supply.
   All display elements on the display C disappear.

The heat pump is disconnected from the power supply and out of operation.

Terminate water pipes

1. Deactivate the water treatment pump.
2. Unscrew the adapter 2 on the inlet water connection 8 completely.
3. Disconnect the inlet pipe from the inlet water connection 8.
   When removing the hose end of the water pipe, hold it with the opening facing upwards to prevent the residual water in the hose from spilling out of control.
4. Unscrew the adapter 2 on the outlet water connection 6 completely.
5. Disconnect the drain pipe from the water connection outlet 6.
   When removing the hose end of the water pipe, hold it with the opening facing upwards to prevent uncontrolled spillage of the residual water in the hose.

The water pipes are closed.

Cleaning

Cleaning the appliance

Wipe the surfaces with a dry cloth.

Examination

Check the following before each use:
» Is there any visible damage to the device?
» Is there any visible damage to the controls?
» Are the accessories in perfect condition?
» Are all pipes in perfect condition?
» Is the inlet not blocked?
» Are the ventilation slots clear and clean?

Do not operate a damaged appliance or accessories. Have it checked and repaired by the manufacturer or its customer service or a qualified specialist.

Leakage

If liquid escapes from the heat pump, it may be condensation water or pool water.the formation of condensation water is unavoidable during heating operation. The surface of the heat exchanger becomes cold, humidity in the ambient air condenses and can even freeze in extreme cases.the appliance monitors the temperature and automatically defrosts the heat pump if necessary. Any condensation is drained via the base plate of the heat pump and if pool water leaks out, check all connections, pipes and adapters of the heat pump for leaks.

Storage

As soon as the outside temperature permanently falls below +5°C, the heat pump should be winterized in order to avoid damage due to ice formation (frost blasting).

Fixed piped water pipes do not necessarily have to be uninstalled. If the location of the heat pump is protected from coarse contamination and strong weather influences, it is sufficient to completely drain the water from the heat pump and the water pipes. Care is required here! Frost damage is not covered by the warranty.

Decommissioning in winter

Only store the device outdoors or in a well-ventilated, above-ground location and protect it from the elements. Disconnect all cables (see Uninstalling).

Cleaning and storage

1. Clean the heat pump thoroughly (see Cleaning).
2. Once completely dry, store the heat pump in a dry, frost-free place (>+5°C).

The heat pump is shut down for the winter.

Troubleshooting

Problem:	Cause:	Solution:
The heat pump does not switch on.	The heat pump has not been properly installed.	Contact an authorized specialist.
	The fuse of the protective device in the mains cable has blown or an all-pole protective device has blown.	Reset the switch.
		Replace the fuse.
The heat pump does not start.	The three minutes required to start the heat pump have not elapsed.	Wait three minutes.
	The temperature of the pool water is approximately the same as the set brine temperature.	The heat pump operates when the water temperature is not equal to the set target temperature.
	The operating mode of the heat pump is set incorrectly.	Set the required operating mode.
The heat pump works, but the water is not heated.	The heat pump has just been just installed.	Wait 24-48 hours until the set temperature set temperature is reached.
	The pool water has been last use of the heat pump has cooled down considerably.	Wait 24-48 hours until the set temperature set temperature is reached.
There is ice on the heat exchanger.	The ambient temperature is too low and/or there is a high humidity.	Wait until the automatic defrost defrost function (defrost) starts.
Leakage of the heat pump.	Accumulation of condensation.	Set the heat pump to standby. If the leakage stops, it is due to condensation.
	Leakage of water at the heat exchanger or at the connections of the water circuit.	Check all connections, lines and heat pump for tightness.
During operation, the WiFi signal or radio reception is disrupted.	The device is equipped with frequency converters that can generate high-frequency leakage currents due to the nature of the system.	If you notice interference despite using a short power cord, stop using the affected device and have the power supply (e.g. socket, extension cord) checked immediately by a qualified electrician.

If the fault cannot be rectified, please contact an authorized specialist or the Steinbach support team.

Error message display

Error code:	Cause:	Solution:
E 03	Water flow rate too low	Increase the pool water flow through the heat pump.
		Check the pump that pool water through the heat pump.
		When using a 3-way valve or bypass set in the water circuit, check that the valve setting is correct and that sufficient water flow is ensured.
E 04	De-icing	Wait until the heat pump has completed the automatic defrosting process.
E 05	Pressure in the coolant circuit too high	Please contact an authorized specialist or the Steinbach Support Team.
E 06	Pressure in the coolant circuit too low	Please contact an authorized specialist or the Steinbach Support Team.
E 09	Communication error	Please contact an authorized specialist or the Steinbach Support Team.
E 10	Communication error	Please contact an authorized specialist or the Steinbach Support Team.
E 12	Temperature sensor error: Compressor coolant circuit too high	If the pool water temperature is too high, reduce the setpoint.
E 15	Temperature sensor error: Water inlet	Please contact an authorized specialist or the Steinbach Support Team.
E 16	Temperature sensor error: Coolant circuit	Please contact an authorized specialist or the Steinbach Support Team.
E 18	Temperature sensor error: Compressor output	Please contact an authorized specialist or the Steinbach Support Team.
E 20 **	Frequency inverter module error	Please contact an authorized specialist or the Steinbach Support Team.
E 21	Ambient temperature sensor error	Please contact an authorized specialist or the Steinbach Support Team.
E 29	Return temperature error: Coolant	Please contact an authorized specialist or the Steinbach Support Team.
E 46	Fan motor error	Please contact an authorized specialist or the Steinbach Support Team.
LOC	Buttons are locked	Deactivate the key lock by pressing and holding the buttons **Up** 9 and **Down** 10 for 3 seconds.

If the fault cannot be rectified, please contact an authorized specialist or the Steinbach support team.

Technical data

Model:	Startis Inverto
Item number:	049310Z
Pool size (Water content):	max. 20,000 L
Heat output *:	4 kW
Heating input power *:	0.6 kW
Heating input current *:	2.8 A
Cooling capacity *:	2.1 kW
Input power Cooling *:	0.7 kW
Input current Cooling *:	3.3 A
Maximum input power:	0.8 kW
Maximum input current:	3.8 A
Operating voltage and frequency **:	220-240 V~, 50 Hz
Performance figure COP *:	12.1
Energy efficiency ratio EER *:	3.0
Protection class:	I
Protection type:	IPX4
Sound pressure level: (At a distance of 10 m)	26 dB(A)

Water throughput:	min. 2,000 L/h
Nominal suction pressure:	0.7 MPa
Maximum suction pressure:	0.8 MPa
Nominal delivery pressure:	1.9 MPa
Maximum delivery pressure:	2.3 MPa
Refrigerant:	R290
Maximum refrigerant charge:	230 g
Global warming potential GWP:	3
CO2 equivalent:	0.54 kg

RADIO CONTROL

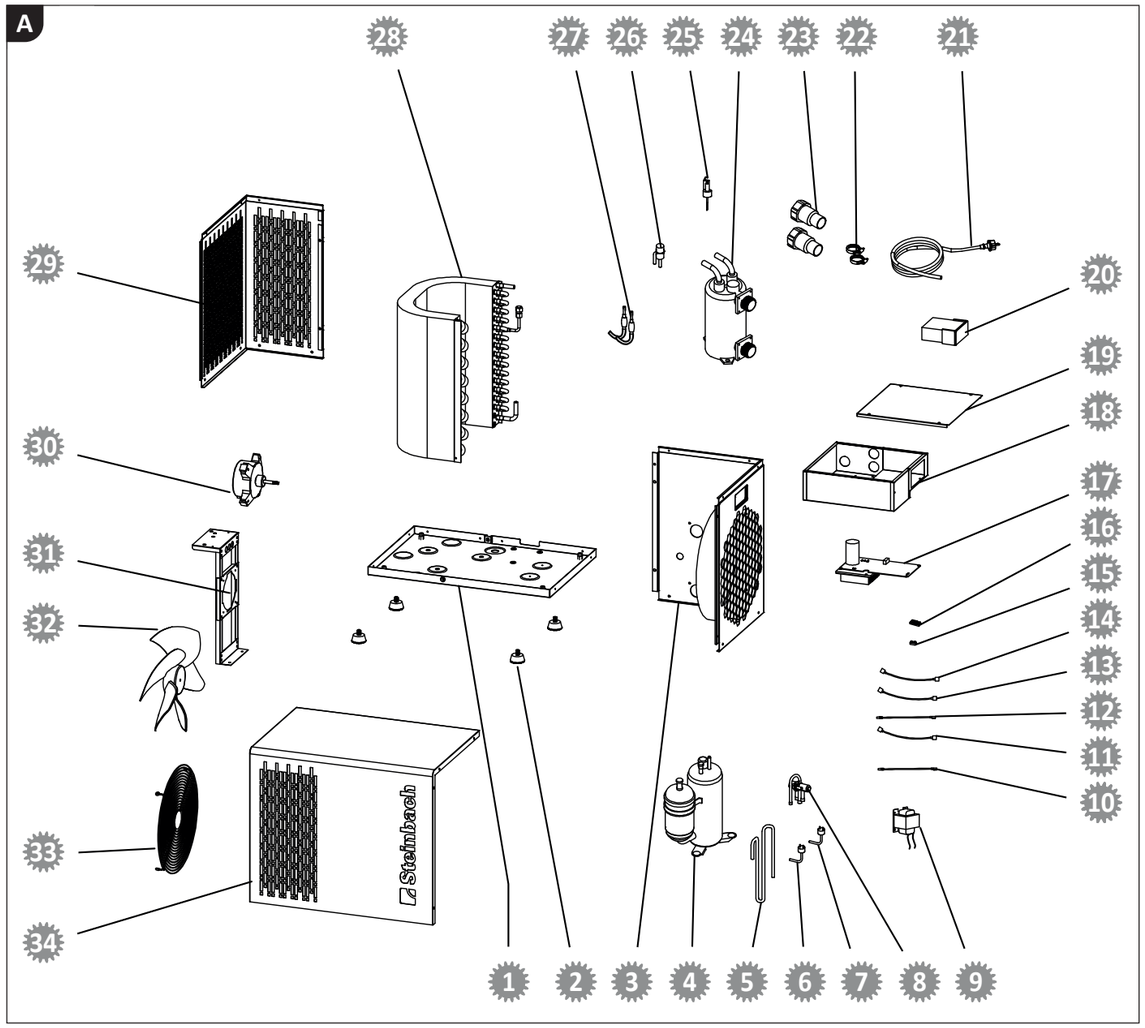
App: Steinbach Control
Transmission frequency: 2.483 MHz
Effective radiated power ERP: 20 dBm

Pool water temperature rise***
(Outdoor temperature=water temperature=26°C)
Water salinity (Salt electrolysis): < 0.5 %

10,000 L	20,000 L
0.3°C/h	0.2°C/h

* variable- depending on the ambient conditions
** Single-phase alternating current
*** Heat loss was not taken into account (e.g. with or without cover, insulation, ...)

Spare parts



Pos.	Spare part	Art. Nr.	Pos.	Spare part	Art. Nr.
22	Hose clamp	060039	23	Hose adapter	049301

Declaration of conformity

CE Steinbach International GmbH hereby declares that the radio equipment type Startis Inverto heat pump (049310Z) complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.steinbach-group.com

Waste disposal

Dispose of packaging

Dispose of the packaging according to type. Put cardboard and carton in the waste paper bin and foil in the recycling bin.

Dispose of old appliance

Old appliances must not be disposed of with household waste! If the appliance can no longer be used, every consumer must be **legally obliged to dispose of old appliances separately** from household waste, e.g. at a collection point in their municipality/district. This ensures that old appliances are recycled properly and negative effects on the environment are avoided. This is why electrical appliances are marked with the symbol above.

Dispose of refrigerant

The appliance contains refrigerant. Refrigerant must be disposed of properly as a hazardous substance at an authorized collection point.