INSTALLATION AND MAINTENANCE INSTRUCTIONS

NIBE™ F205P

1 x 230 V UK

Front panel

Hot water priority (hidden)   Circulation pump (hidden)
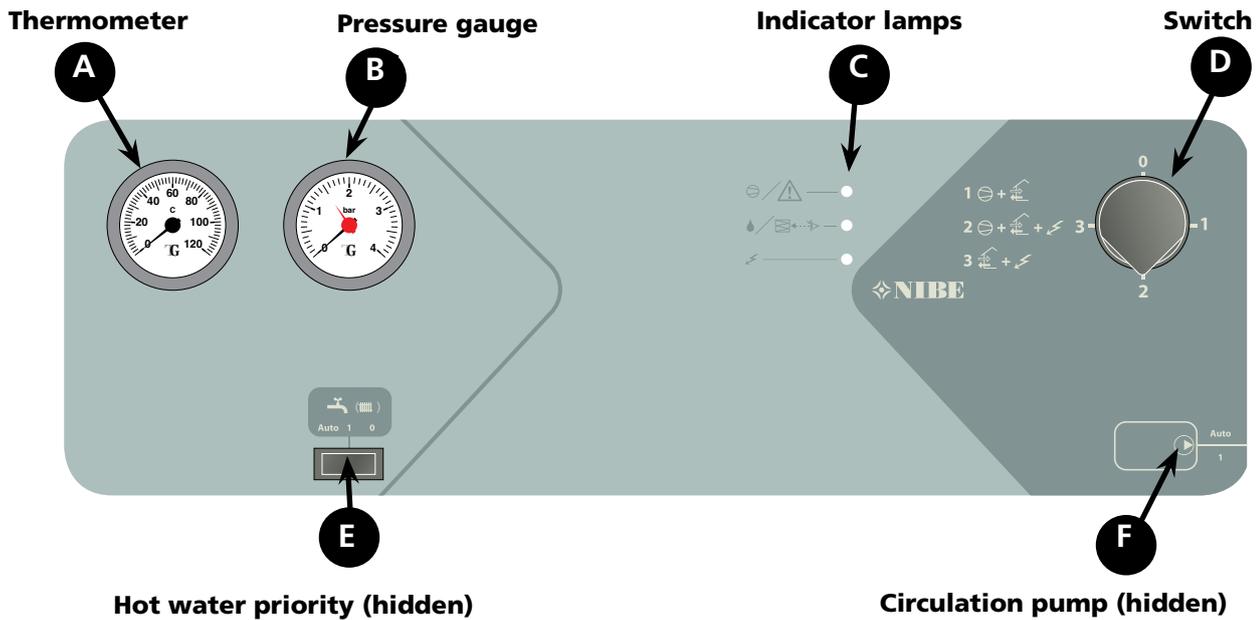
Functions on the front panel

A **Thermometer**

Here the boiler temperature is indicated . The value depends on the cut-out temperature of the immersion heater, the set value for the compressor cut-out temperature and the hot water taps.

B **Pressure gauge**

Here the pressure of the radiator circuit is indicated . The scale marks go from 0 - 4 bars. Normal pressure is 0,5 - 1,5 bar.

C **Indicators lamps**

Top lamp

Lit   Compressor is running.

Flashing Alarming for tripped pressostates or indicating standby mode (Compressor blocked).

Not lit Compressor is not running.

Midmost lamp

Lit   Defrosting is operational.

Flashing Air filter to be cleaned.

Not lit   -

Lower lamp

Lit   Immersion heater is in operation.

Flashing -

Not lit Immersion heater is not in operation.

D **Switch**

with 4 positions 0 - 1 - 2 - 3:

0   Heat pump off.

1   Fan is operational. Compressor and circulation pump operational on demand.

2   Fan is operational. Compressor, immersion heater and circulation pump operational on demand.

3   Standby mode. Fan is operational. Compressor is not operational. Immersion heater and circulation pump operational on demand.

E ## Hot water prioritising (hidden)

with 3 positions "Auto" - "1" - "0":

Auto   Hot water prioritising Continuously activated (same function as "1")

1   Hot water prioritising continuously activated.

F 0   Hot water prioritising not activated.

Circulation pump (hidden)

with 2 positions "Auto" - "1":

Auto   The circulation pump is controlled on and off by the control system or clock thermostat.

1   Circulation pump in continuous operation.

Front panel, supplied clock thermostat

Display
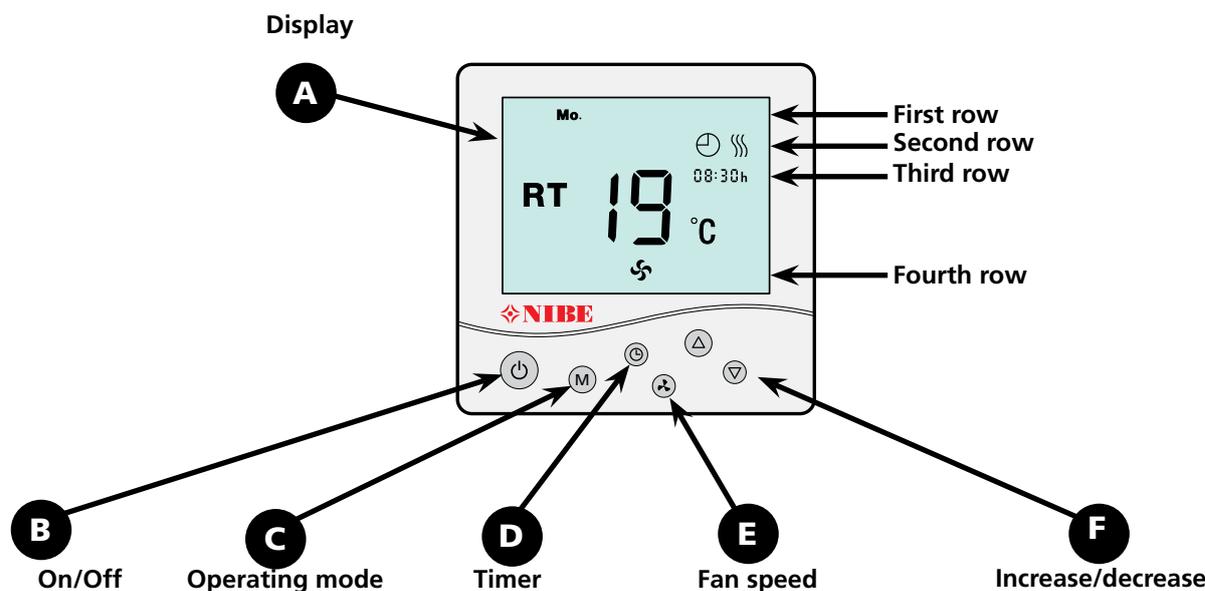
Front panel's functions

The indoor temperature is regulated using a room thermostat. When the temperature in the accommodation is the same as the temperature set on the room thermostat, the circulation pump in the heat pump stops.

To set different intervals with a temperature change, we recommend the supplied clock thermostat. For instructions on how to set times and temperatures, see section "Settings".

A **Display**

First row: Week day.

Second row: Operating mode day ☀, operating mode auto ⊕, heating on ⦚⦚⦚.

Third row: Actual indoor temperature (RT) or set indoor temperature (SET), clock

Fourth row: Actual fan speed, operating mode night ☽.

B **On/Off**

Press "⏻" once to switch off the thermostat, press again to restart.

C **Operating mode**

The operating mode that the heat pump is to use is selected here.

Auto ⊕: In this mode the heat pump operates according to your own settings. You set which temperature you want indoors during day and night.

Day ☀: In this mode you get the setting for day temperature for the entire day.

Night ☽: In this mode you get the setting for night temperature for the entire day.

Manual: (no symbol) In this mode the set temperatures are not used. Press △ or ▽ to increase or decrease the temperature indoors.

D **Timer**

Set current time and date here.

E **Fan speed**

Select the fan speed here: high ⚞, normal ⚞ and auto (no symbol).

If normal ⚞ or high ⚞ is selected, you return to the previous setting after one hour.

If normal ⚞ or auto is selected, the fan runs at low speed when the compressor has stopped and rotates up to speed when the compressor is in operation.

F **Increase/decrease**

These buttons are used to increase or decrease a value.

Settings

Set actual time and weekday

1. Press the timer button once ⏲. The first two digits in the clock start to flash.

2. Use △ or ▽ to set the hours. Save the settings by pressing the timer button once.

3. Use △ or ▽ to set the minutes. Save the settings by pressing the timer button once.

4. Use △ or ▽ to set the weekday. Save the settings by pressing the timer button once.

Changing the indoor temperature

A water borne heating system has a certain inertia. This means that it can take several hours from when the change was made until the desired temperature in the accommodation is achieved. The size of the house, outdoor temperature, hot water usage during the time etc. affects how long the change takes.

E.g. You change the 05:00 setting of the clock thermostat from 17 °C to 20°C. F205P starts to increase the tempera-

Set room temperature
Actual room temperature
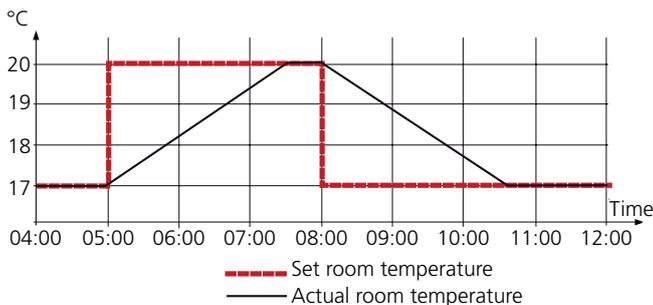
ture but it can take several hours for the heat pump to achieve the desired change.

At 08:00 you change the setting again, from 20 °C to 17°C. The heat pump then starts to send out cooler water to the heating system but it can take several hours before the water has cooled enough to achieve the desired temperature.

Programme operating mode

Start by making settings for Monday to Friday:

SET 1 means period 1, SET 2 means period 2.

1. Hold in the timer button ⏲ until SET 1 appears in the display.

2. Set the time at which you want period 1 to start to apply. Set the time in the same way as you set the clock previously, using △ or ▽ and the timer button.

3. Set the temperature you want indoors during period 1 by pressing △ or ▽. Save the settings by pressing the timer button once.

4. Set the time at which you want the period 1 setting to stop being applied. Set the time in the same way as you set the clock previously, using △ or ▽ and the timer button.

5. Set the temperature you want indoors between peri-

ods 1 and 2 by pressing △ or ▽. Save the settings by pressing the timer button once.

6. SET 2 now appears in the display. Set the time at which you want period 2 to start to apply. Set the time in the same way as you set the clock previously, using △ or ▽ and the timer button. The temperature will be the same as you selected in period 1.

7. Set the time at which you want the period 2 setting to stop being applied. Set the time in the same way as you set the clock previously, using △ or ▽ and the timer button.

Now make settings for Saturday and Sunday:

1. This is done in the same way as setting the temperatures for weekdays (repeat steps 2-7).

Change operating mode

Press operating mode button (M) to switch between auto, day, night and manual mode. Confirm using the timer button ⏲.

If you want one indoor temperature during the daytime and another indoor temperature during the night select operating mode auto ⏲.

If you want the day temperature for 24 hours select ☀ and if you want the night temperature for 24 hours select ☾.

To change temperature at any point during the day, select the manual mode. If the temperature in the accommodation is too low or too high, press △ or ▽ to increase or decrease the temperature. Approximately 30 seconds after the last button push, the thermostat returns to showing the actual room temperature.

Set room temperature
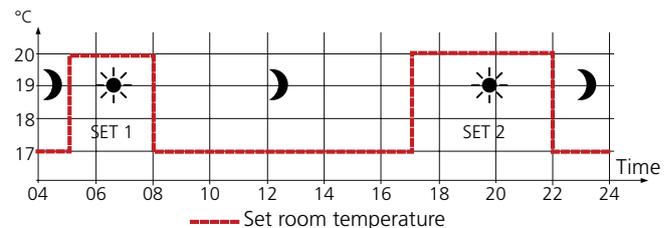
Maintenance routines

General

The heat pump and its ventilation ducting require some regular maintenance when the following points should be checked.

The numbers in brackets refer to the section "Component locations".

Cleaning the air filter

The heat pump air filter (63) should be cleaned regularly, about four times a year.

1. Set the switch (8) to "0".
2. The upper service cover is opened by pulling the lower section outwards. The cover can then be lif-ted off.
3. Pull out the filter cassette (78).
4. Take out the filter and shake/vacuum off any dirt. Do not use water or other liquids for cleaning.
5. Check that the filter is not damaged. New original filters can be ordered from a Nibe distributor.
6. Re-assembly takes place in the reverse order.

The cleaning time intervals vary depending on the amount of dust in the exhaust air. Each third month an indicator lamp "Midmost lamp" flashing to reminds about cleaning the air filter. Note that the time will be set to zero by setting the switch to "0".