SAV GB 0742-2
FIGHTER 360P
511358

OPERATING INSTRUCTIONS

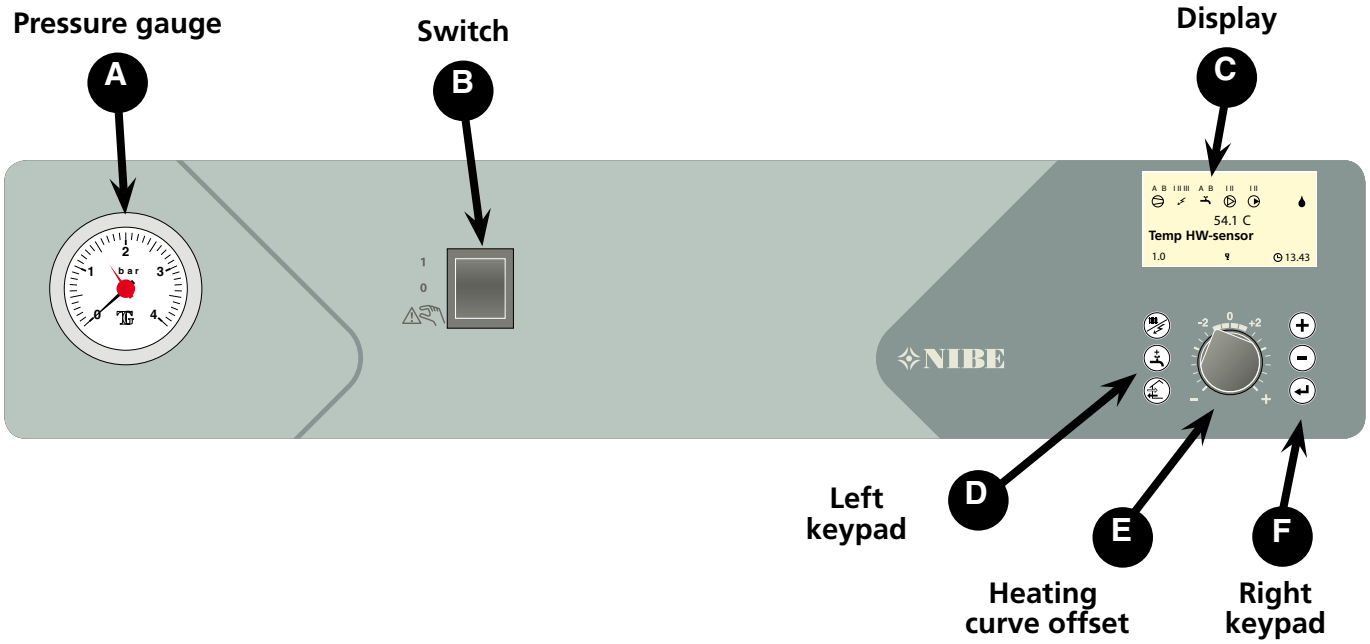
FIGHTER 360P

General

These operating instructions describe the most important functions and the current maintenance requested by FIGHTER 360 and its ventilation equipment.

Regarding component location and detailed information check "Installation and Maintenance Instructions".

Front panel



Explanation

A Pressure gauge

The radiator circuit pressure is displayed here. Normal pressure is 0.5 – 1.5 bar.

B Switch

with three positions 1 - 0 - ⚠ :

1 Normal mode. All control functions connected.

0 Heat pump off.

⚠ Standby. This position is used in the event of operating disturbances.

C Display

Symbols, values, name of the current menu and menunumber are shown here.

D Left keypad

This button is used to set the required operating mode

-Winter mode

-Summer mode

-Spring/Autumn mode

The Extra hot water function is activated using this button.

- 24/12/6/3 hours

This button is used to change the fan speed. Return to normal speed occurs automatically (Does not apply however in the Off position).

-Speed II

-Speed I

-Normal

-Off

E Offset heating curve



This knob is used to change the room temperature. Turning clockwise increases the room temperature. When the knob is turned menu 2.0 is shown on the display screen and the value for the calculated supply temperature changes.

F Right keypad

Plus button

This button is used to scroll through the menu system (forwards) or increase the value of the selected parameter.

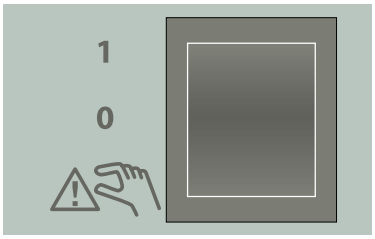
Minus button

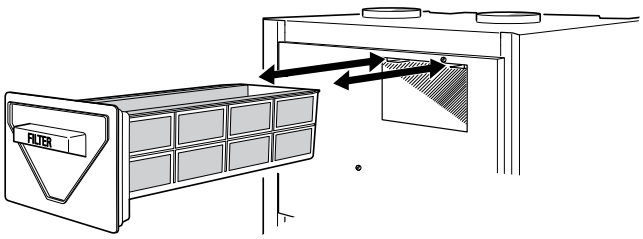
This button is used to scroll through the menu system (backwards) or lower the value of the selected parameter.

Enter button

This button is used to select a lower menu in the menu system, to activate a parameter change as well as confirm a parameter change.

Cleaning the air filter





The heat pump's air filter (63) needs to be cleaned regularly (approximately 4 times per year).

- Set the switch to "0".
- Open the upper front cover by pulling it out by the lower edge, then lifting it up
- Release the filter holder by turning the two black knobs a quarter of a turn anticlockwise
- Pull out the holder, take out the filter and shake off any dirt. If the filter is very dirty, turn it upside-down and wash it carefully with water. Check that the filter is not damaged. New original filters can be ordered from NIBE..
- Assembly takes place in the reverse order.

The interval between cleaning operations varies and depends on the amount of dust in the exhaust air.



FILTER-ALARM

This information is shown every three months and is a call for the air filter to be cleaned. The information disappears when the filter has been cleaned and the main power switch is set to "1" again.

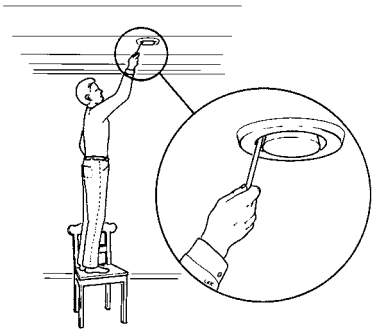
Cleaning the ventilation devices

The building's ventilation devices should be cleaned regularly with a small brush to keep the correct ventilation.

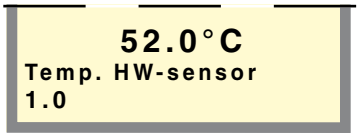
The device settings must not be changed.

NOTE! If you take down more than one ventilation device for cleaning, do not mix them up.

Check that the ventilation opening (84), behind the lower front cover, is not blocked. Clean if necessary.



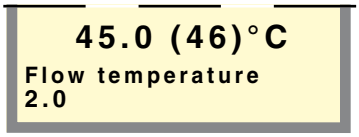
Menu system



Menu 1.0 Temp HW-sensor

The current water temperature (83) in the outer jacket roughly level with the water heater's lower end-plate is shown here. Note that the hot water temperature at the top of the tank is usually higher.

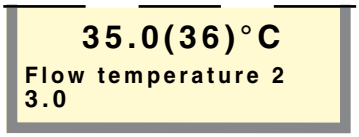
Settings and readings regarding hot water charging are made on the sub-menus to this menu.



Menu 2.0 Flow temperature

The current supply temperature (89) for the heating system is shown here with the calculated supply temperature in brackets.

Settings and readings regarding the heating system are set on the sub-menus to this menu 1.

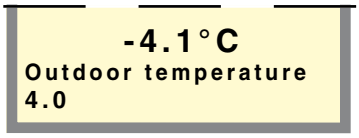


Menu 3.0 Flow temperature 2

The current supply temperature (FG2) for the heating system is shown here with the calculated supply temperature in brackets.

Settings and readings regarding the heating system are set on the sub-menus to this menu 2.

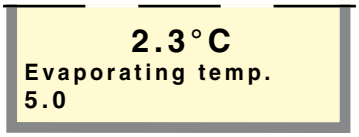
Only shown when shunt group 2 is in the "On" position in menu 9.1.2.



Menu 4.0 Outdoor temperature

The current outdoor temperature on the outdoor sensor (15) is shown here.

The outdoor, daily average temperature can be read from this sub-menu.



Menu 5.0 Evaporating temp.

The current evaporation temperature is shown here. This is the temperature of the refrigerant when this has passed the expansion valve. Measured by sensor (86).

Temperatures can be read and settings made for the compressor from these sub-menus.



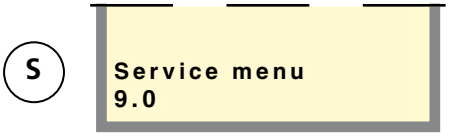
Menu 7.0 Clock

Settings regarding the date and time are made in the sub-menus of this menu. Even different temperature reductions and increases at selected times are set from this menu.



Menu 8.0 Other settings

Settings regarding the menu type, language, operating settings and load monitor readings are made in the sub-menus of this menu.

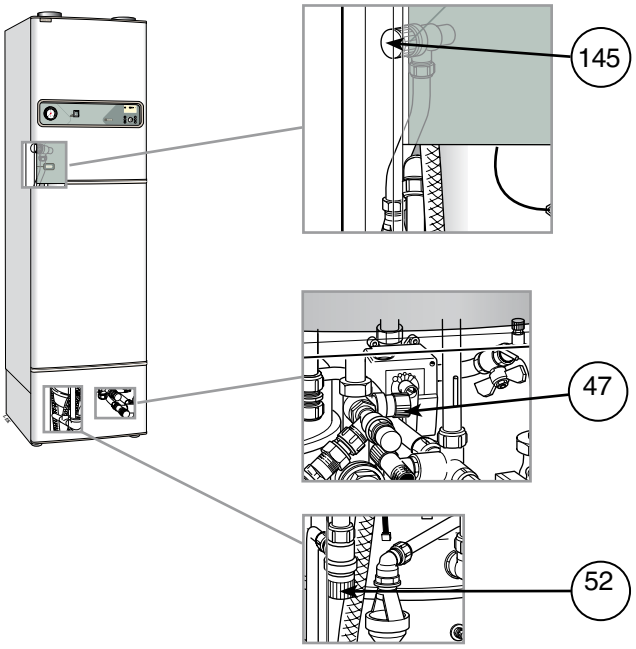


Menu 9.0 Service menu

This menu and its sub-menus are only shown on the display screen when access has been selected in menu 8.1.1.

Values can be read and various settings can be made from these sub-menus. NOTE! These settings should only be made by persons with the necessary expertise.

Checking the safety valves

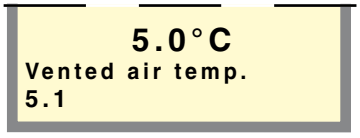


FIGHTER 360P has three safety valves, one for the heating system and two for the water heater.

The safety valves must be checked regularly. Check one valve at a time as follows:

- Open the valve.
- Check that water flows through the valve.
- Close the valve.
- The heating system may need to be refilled after checking the safety valve (52), see the section "Commissioning and adjustment" – "Filling the heating system" in the "Installation and maintenance instructions".

Extract air temperature



Check that the temperature of the extract air (menu 4.2) is clearly lower than the room temperature when the compressor is operational, also see section "Dealing with malfunctions" — "High extract air temperature" in the "Installation and Maintenance Instructions". It is normal that the extract air temperature varies.

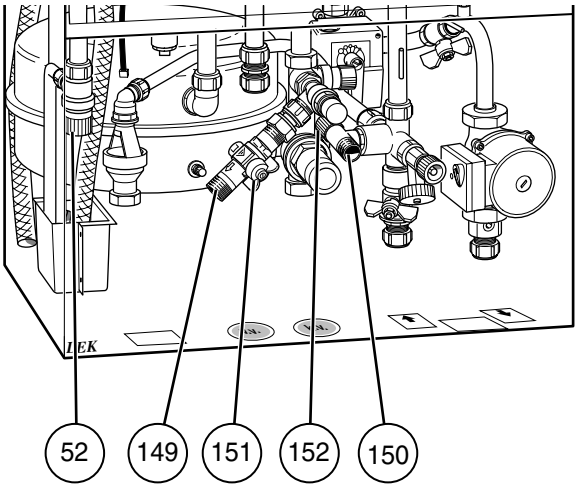
Alarm

Quite a few alarms in the menu for FIGHTER 360P are reset by first switching off the heat pump, followed by an immediate switch on.

- Set the switch on position "0" and wait for at least five seconds.
- Reset the switch to position "1".
- If repeately indicating alarms check "Installation and Maintenance Instructions" section "Dealing with malfunctions" - " Alarm indications on the display".

Filling the heating system

- Connect enclosed flexible hose between connection (149) and connection (150). Open filling valves (151) and (152). The boiler part of the heat pump and the radiator system are now filled with water.
- After a while the pressure gauge will show rising pressure. When the pressure reaches 2.5 (bar) (approx. 25 mvp) a mixture of air and water starts to emerge from the safety valve (52). The filling valves (151) and (152) are then closed.
- Turn the safety valve (52) until the boiler pressure reaches the normal working range (0.5 - 1.5 bar).
- When the filling procedure is finished the flexible hose (147) shall be removed.



NOTE!

The product's serial number should always be stated with all correspondence with NIBE.

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