



IFS Ltd t/a Intelligent Hand Dryers UK
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Smartflow hand dryer

Safety regulations

All installation, maintenance and repair tasks must be carried out by qualified technicians.

Mediclinics remembers the importance of:

1. Becoming familiar with the equipment and carefully reading the user manual prior to operating.
2. Disconnecting power prior to beginning any repair or maintenance action.
3. Exercising care in accordance with the procedures included herein.

General maintenance

Preventive Maintenance - Cleaning

Inspect the units **annually or quarterly**, depending on the dryer's operating cycles.

Clean the active parts of the unit, such as: the motor, the heating element, the fan and the electronic circuit board with a soft brush. In automatic versions, clean the infrared sensor with a cloth dampened with alcohol.

Maintain the air inlet and outlet free of dust and other obstructions; use a soft flat ended brush.

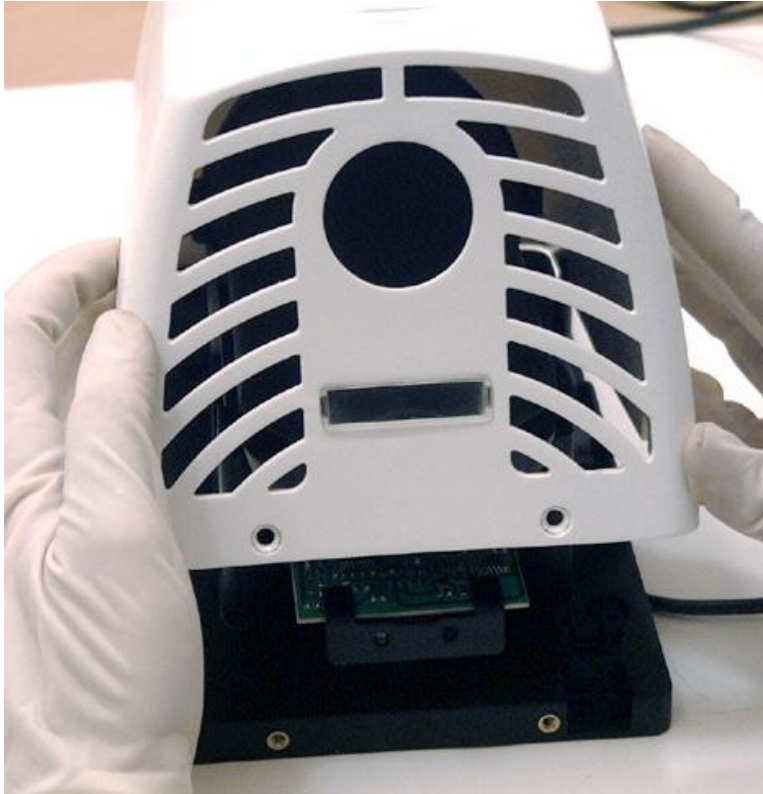
Removal of the casing

Consult the safety regulations prior to carrying out any work on the unit. Release the screws that attach the casing (2 units) using the supplied Allen key.



The casing is secured to interior clips. To free the casing, move it 1 cm in the direction of the air outlet and proceed as usual.

To avoid scratching the casing, place it on a flat surface with the visible part facing upward.



Motor

Characteristics

- Universal brush motor (15,000 rpm)
- Class B
- Includes a thermal limiter

Maintenance

As preventive maintenance, we recommend using a soft brush to remove dust and dirt on an annual or bi-annual basis, depending on the dryer's operating cycles.

Replacement of the motor

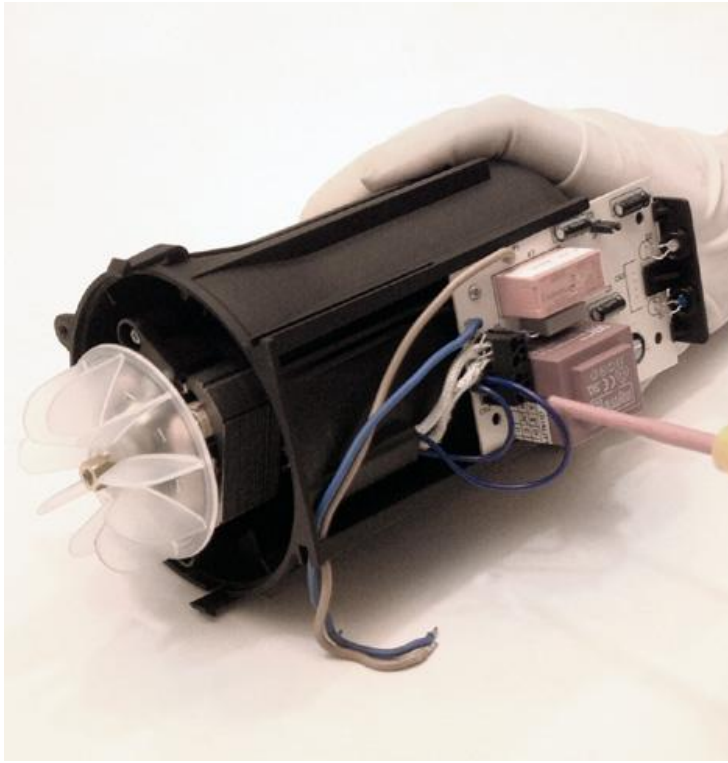
Loosen the screws that fasten the nozzle.



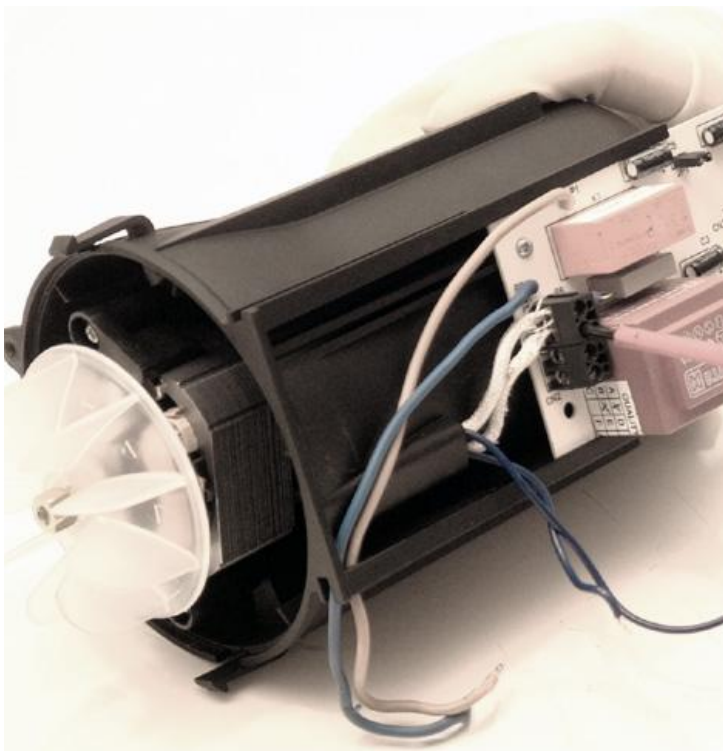
Open the nozzle so you can access the interior.



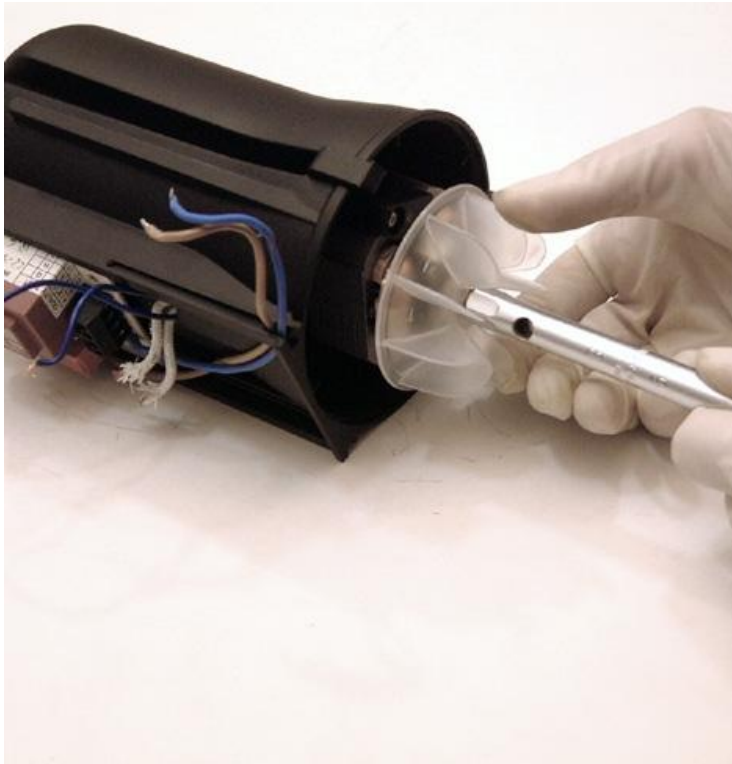
Disconnect the two motor cables that go to the electronic circuit board (two blue cables).



Disconnect the two heating element cables that go to the electronic circuit board (two white cables).



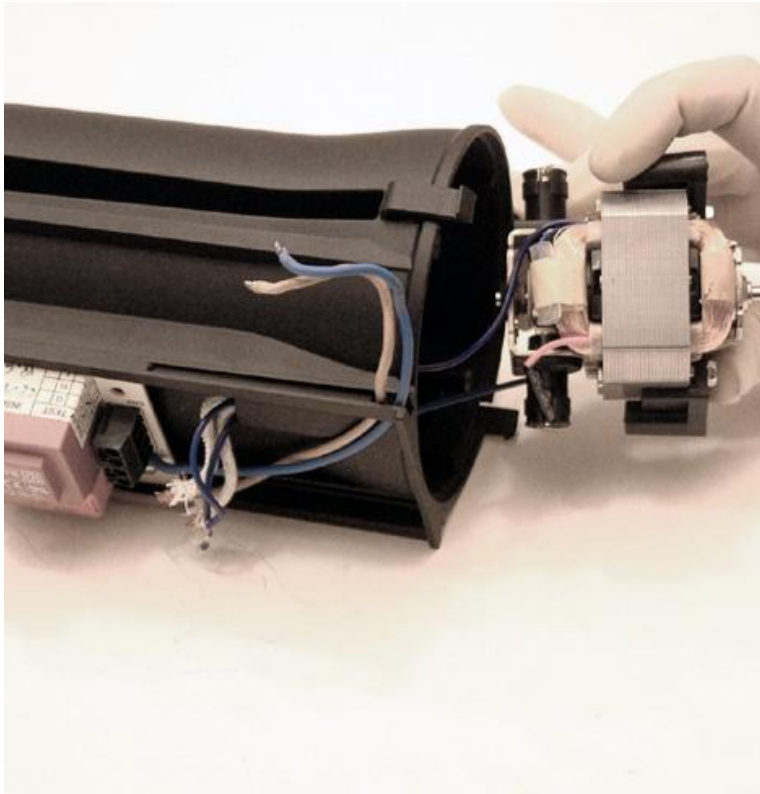
Use an 8 mm hexagonal socket driver to remove the fan by loosening the nut that secures it to the nozzle.



Unscrew the motor from the turrets inside the nozzle.



Remove the motor from its position and replace it. Fit it by following the previous steps in reverse order.



Heating element

Characteristics

- 950 W.
- Coiled NiCr heating element.
- Incorporates a thermal limiter.

Maintenance

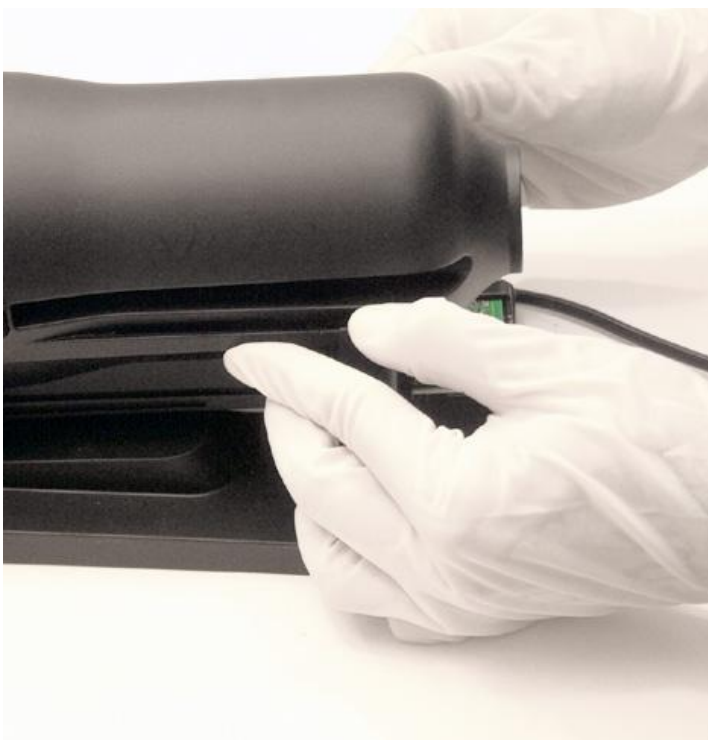
As preventive maintenance, we recommend using a soft brush to remove dust and dirt on an annual or bi-annual basis, depending on the dryer's operating cycles.

Replacement of the heating element

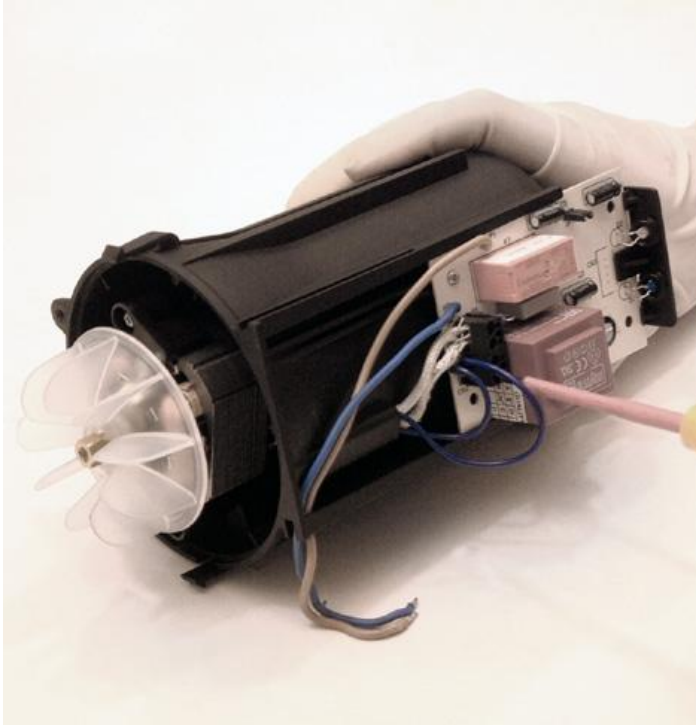
Loosen the screws that fasten the nozzle.



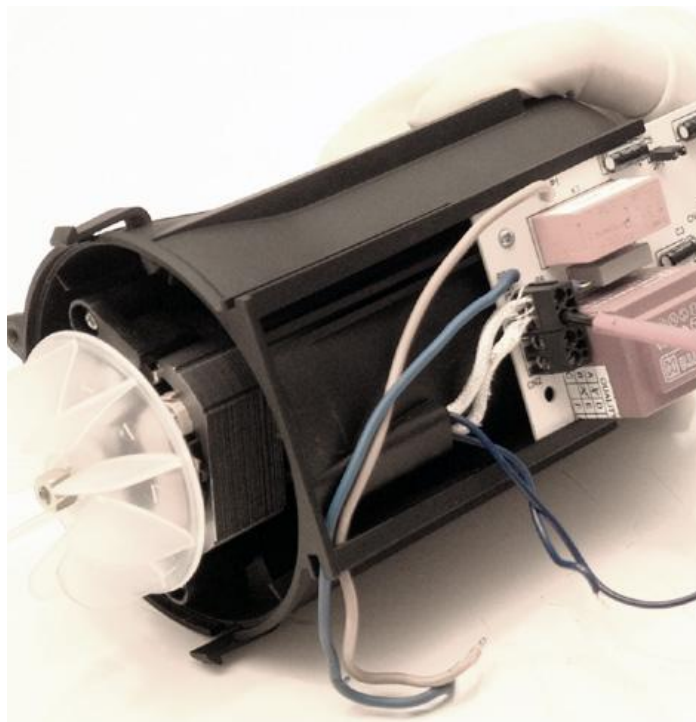
Open the nozzle by releasing the clips that secure it to the base.



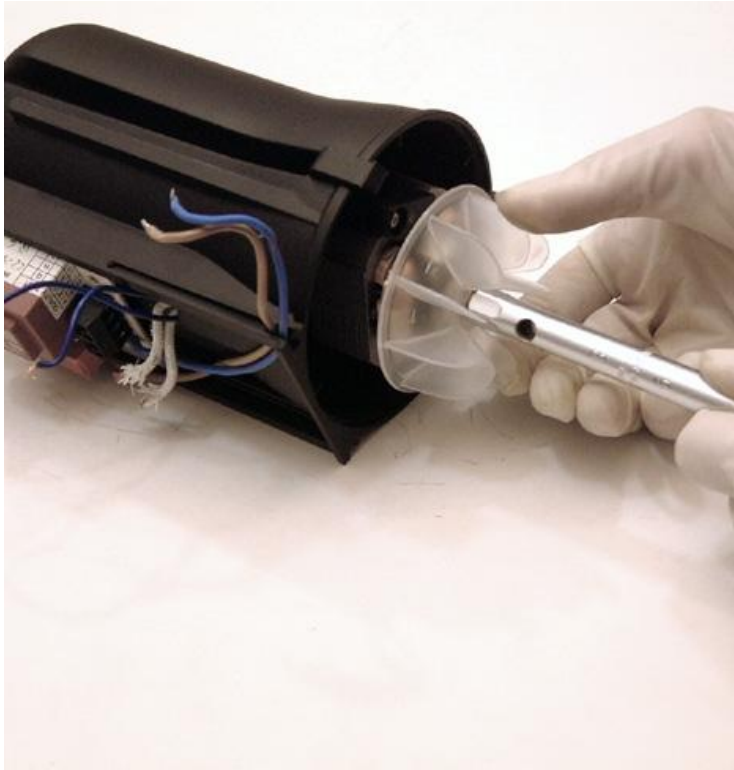
Disconnect the two motor cables that go to the electronic circuit board (two blue cables).



Disconnect the two heating element cables that go to the electronic circuit board (two white cables).



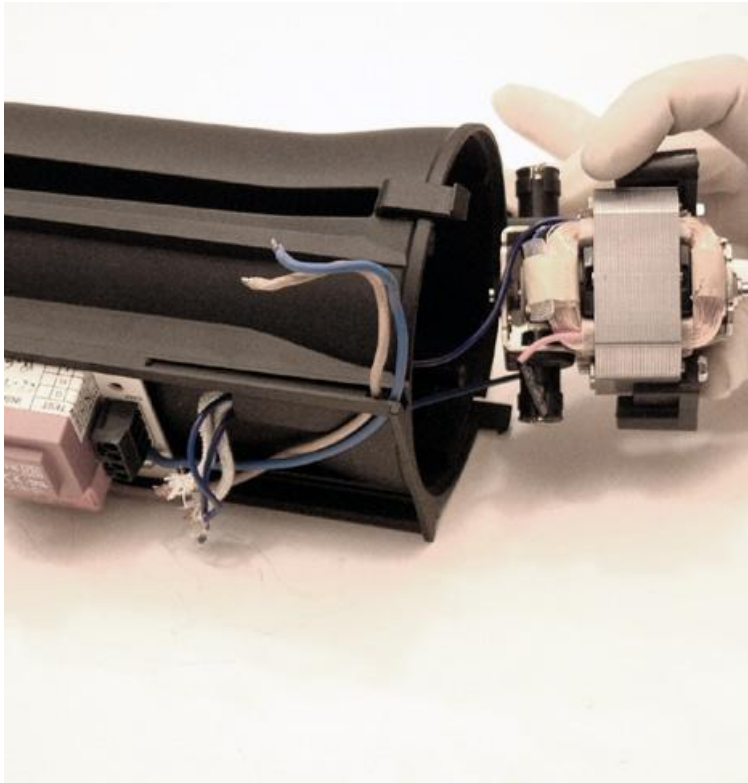
Use an 8 mm hexagonal socket driver to remove the fan by loosening the nut that secures it to the nozzle.



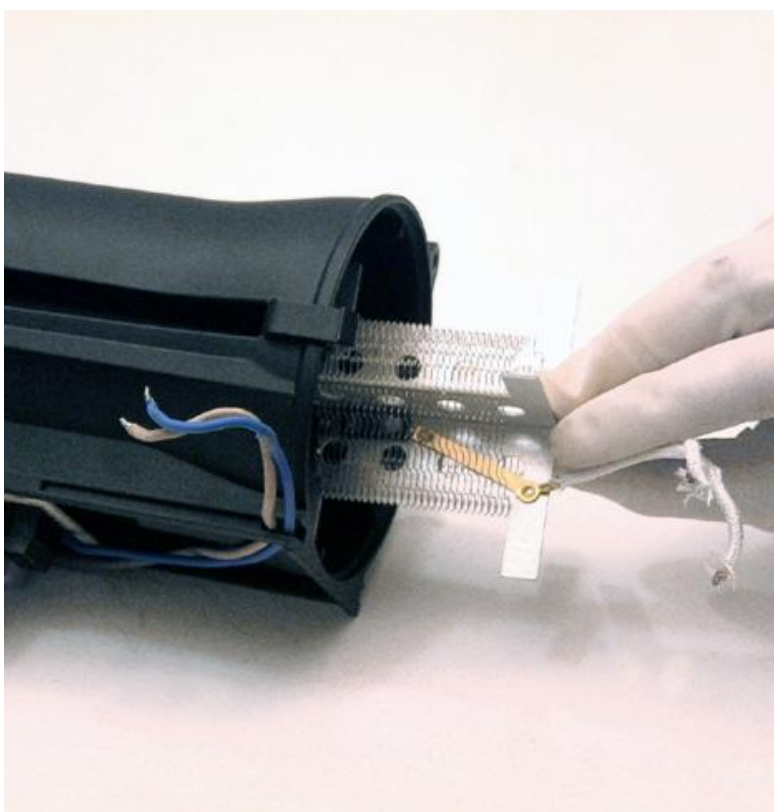
Unscrew the motor from the turrets inside the nozzle.



Carefully remove the motor from its housing in the nozzle.



Carefully remove the heating element from its location and replace it. Fit it by following the previous steps in reverse order.



Electronic Circuit Board

Characteristics

- Electronic sensor, with infrared beam.
- Detection distance adjustable to 5 and 15 cm. Adjustable sensitivity by means of a jumper. See section on setting the detection distance.

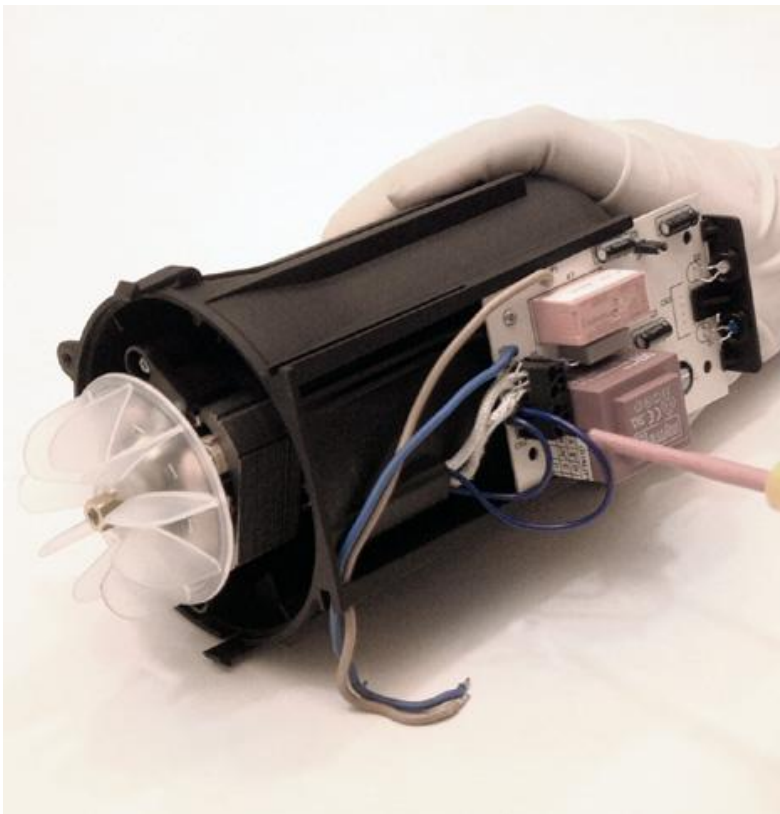
Maintenance

As preventive maintenance, we recommend using a soft brush to remove dust and dirt on an annual or bi-annual basis, depending on the dryer's operating cycles.

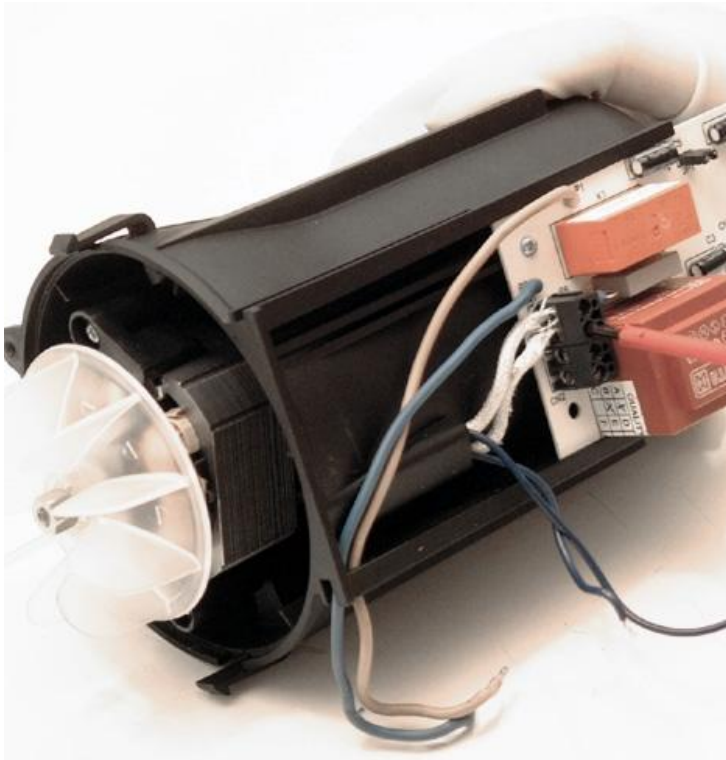
It is also recommended to clean the LEDs regularly using a cloth dampened with alcohol to ensure the signal is emitted and received properly.

Replacement of the electronic circuit board

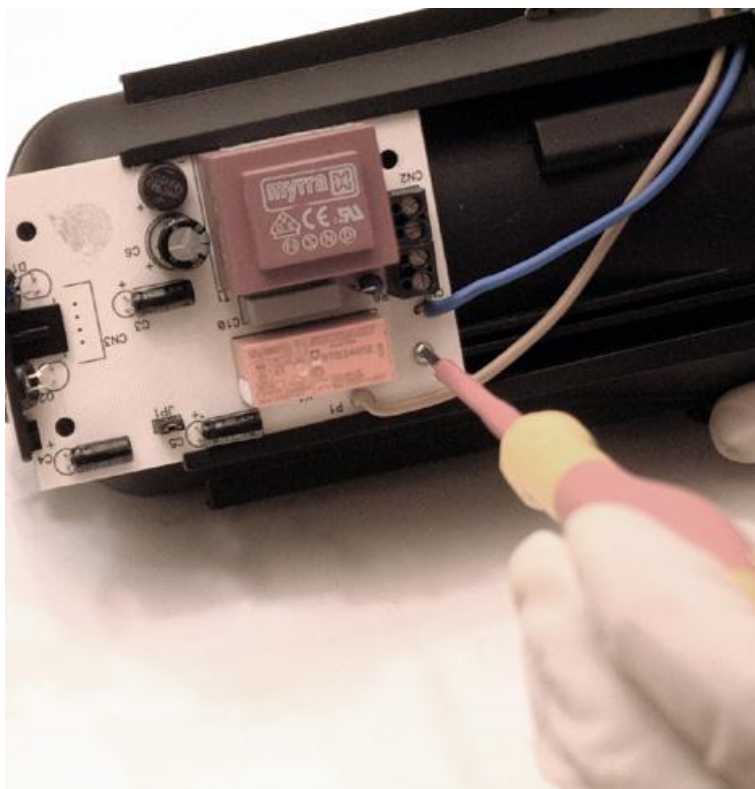
Disconnect the cables that go from the motor to the electronic circuit board (two blue cables).



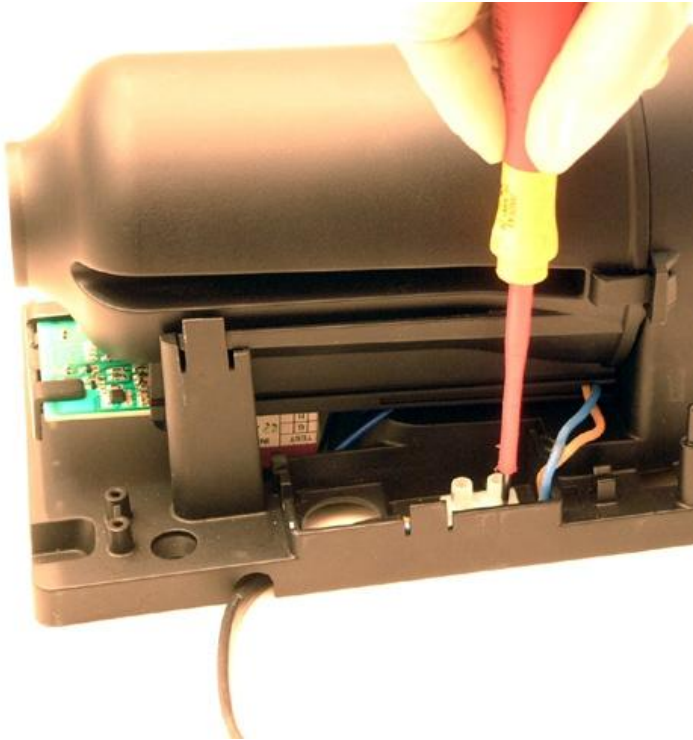
Disconnect the two white cables that go from the heating element to the electronic circuit board.



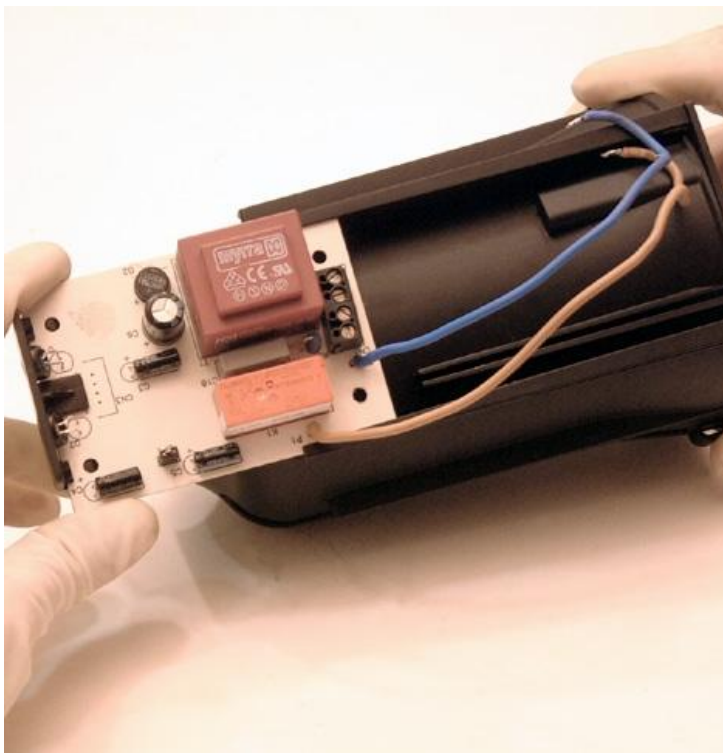
Free the screw attaching the electronic circuit board to the nozzle.



Disconnect the two cables (blue and brown) that go from the electronic circuit board to the mains terminal block.

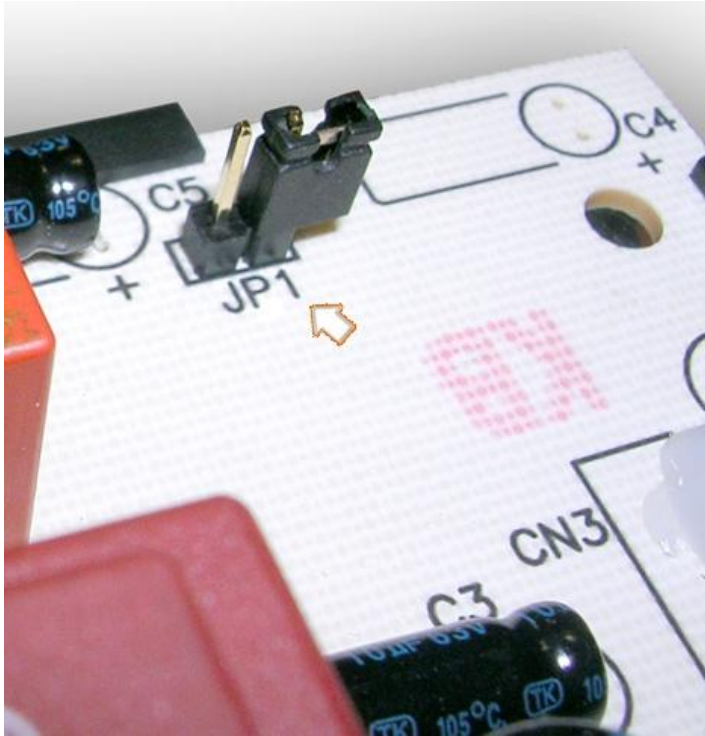


Remove the electronic circuit board by sliding it on the support guides and replace it. Fit it by following the previous steps in reverse order.



Setting the detection distance with a jumper

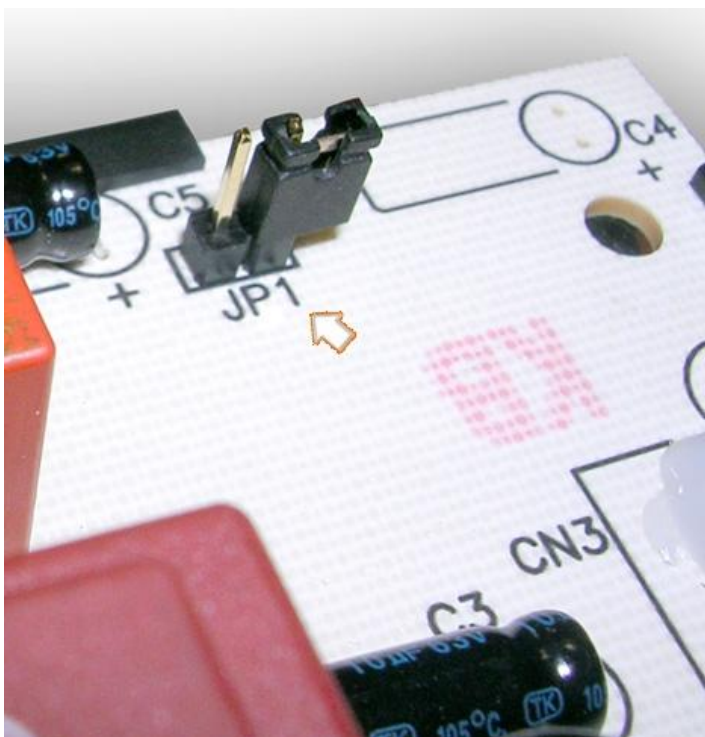
Position of the jumper at high sensitivity: detection distance between 10 and 15 cm.



Position of the jumper at low sensitivity: detection distance between 5 and 10 cm.

Notes: The dryers are supplied with the jumper set in the low sensitivity position.

The lighting conditions of the installation site can alter the detection distances.



Setting the detection distance with a potentiometer

The detection distance can be set between 8 and 15 cm, using the potentiometer located in the electronic circuit board.

