

HAND DRYER MANUAL

w/ HEPA filter, 277x285 mm,
220-240V

14708202020



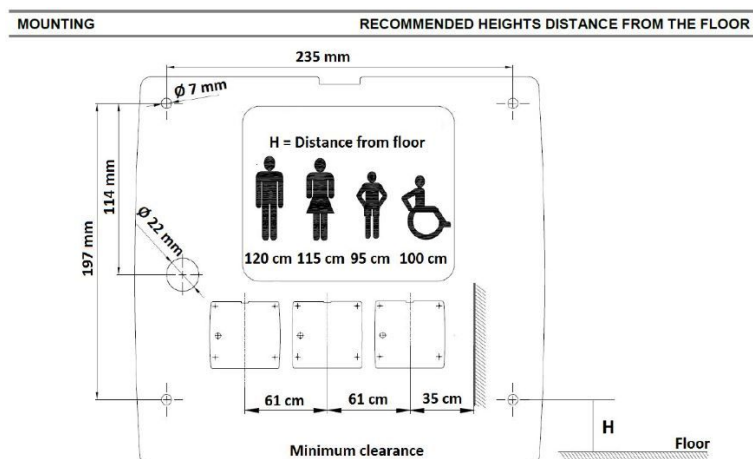
Language

EN

SAFETY INSTRUCTIONS

Before to carry on any operation, please read carefully and take into account the following safety instructions:

- Only a qualified technician can install, adjust and maintain this device. All this operations must be always done according to the current legal European Standards of installation and according the local installation regulations as well.
- Be careful when the casing of the appliance is dismantled because active parts of the device become accessible and then there is a potential risk of an electric shock.
- Before any electrical manipulation, the electrical current must be cut in order to avoid any electric shock risk
- Means for disconnection, with disconnection under overvoltage category III, must be incorporated in the fixing wiring involving all poles, accordingly to the current legal European Standards.
- The installer must make sure that the electric system is grounded in accordance with the law in force.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- The device could not be installed on a normally inflammable surface.
- To fix the hand dryer to the wall follow the instructions of this manual and use the template provided with the device as well. To fix the machine with adhesives or similar methods is forbidden by the European safety standards.



INTRODUCTION

Hand dryer has the following technical features:

- Automatic operation (IR sensors).
- Adjustable range detection (50-230 mm)
- Motor speed adjustable.
- Vandal proof operation system (no more than 30 seconds of continuous running).

INSTALLATION

Mains connection and regulations of motor speed and range detection must be handled by an authorized technician.

The appliance is supplied with the two lower screws screwed to the base that secures the cover from the inside.

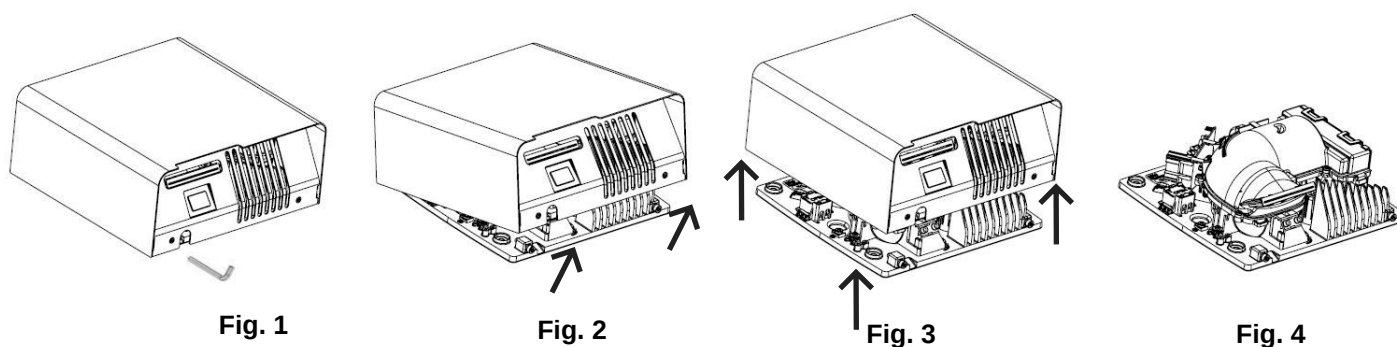
The cover should be removed in the following manner:

1. Screw the lower screws in a clockwise direction (CW) with the supplied special tool until they are fully screwed in place (see figure n° 1).
2. Remove the cover by raising it at a slight angle until the upper securing tab is freed (see figure n° 2). Remove the cover in a vertical direction without striking the inside of the machine (see figure n°3).

WARNING: When the cover is removed, live parts of the appliance are exposed.

During this operation **do not**:

- Damage any internal components, especially the electronic circuit housed under the volute (see figure n° 4).
- Scratch the cove nor the IR sensor protection.



The appliance's electrical installation is made via rear channelling (figure n° 5), as follows:

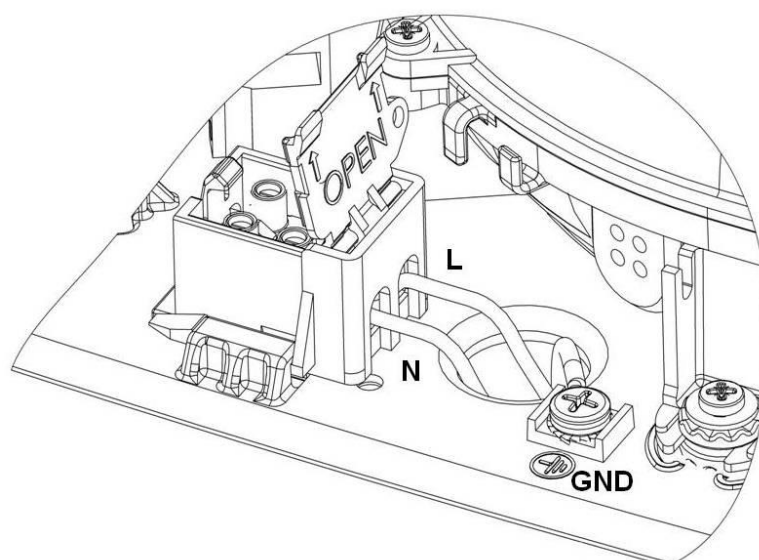


Fig. 5

1. Drill four Ø 8 mm (Ø 0.31") holes using the supplied template. Clean up the holes once they have been made. Insert the four plugs until they are flush with the surface (see figure 6).

2. Pass the 3 electric cables (3 cables 16 AWG 1.31 mm²) from the wall through the entrance hole (Ø 22 mm - Ø 0.87") as figure n° 8 shows.

Means for disconnection with disconnection under overvoltage category III.

During the installation process, the protection areas should be considered according to Standard VDE 0100.

3. Assure that the four silent blocks of the base-plate are properly located. Screw in the four supplied screws to firmly secure the base of the appliance to the wall (see figure 6).
4. Connect the Neutral and Line (N, L) wires to the terminal block and the A/V cable to the earth connection screw (Class I) as figure n° 5 shows.
5. Installing the cover on the hand dryer taking care to insert the upper tab in its housing in the base-plate (see figure n° 9).
6. Unscrew the screws in a counter-clockwise direction (CCW) using the supplied special tool (see figure 10).
7. Place the hands inside the detection area of the appliance in order to assure the right performance of the hand dryer.

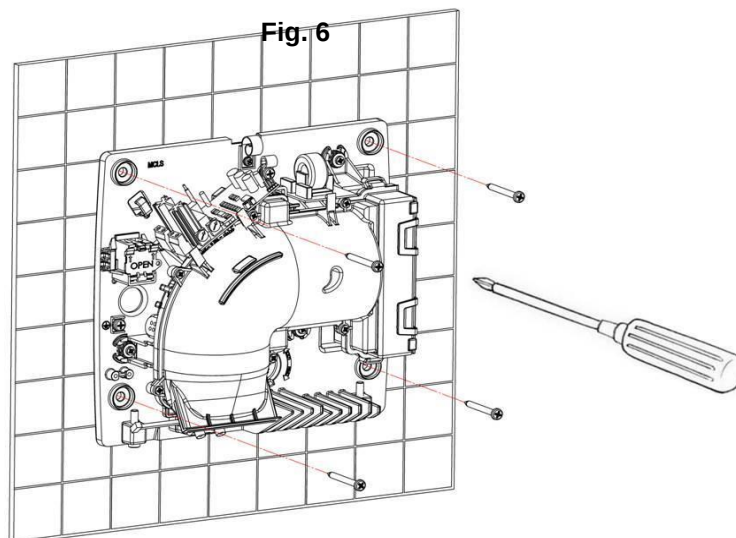
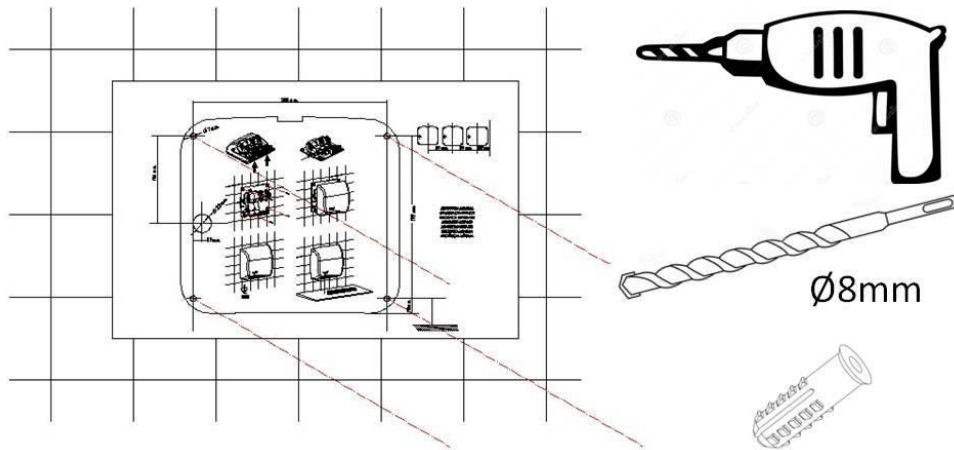


Fig. 7

Care must be taken during this operation not to touch the electronic circuit that is housed under the volute.

NOTE: a minimum distance of 40 cm (15.8") must be allowed between any possible shelves, marble or washbasins (see figure 10). As far as possible, reflecting surfaces should be avoided within the operating range of the IR sensors.

MACHINE MUST BE HANDLED ONLY BY AN AUTHORIZED TECHNICIAN.

The hand-dryer must only be installed on a closed surface, such as a wall, partition or similar.

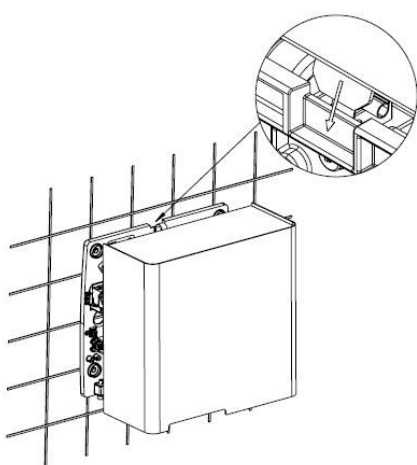


Fig. 8

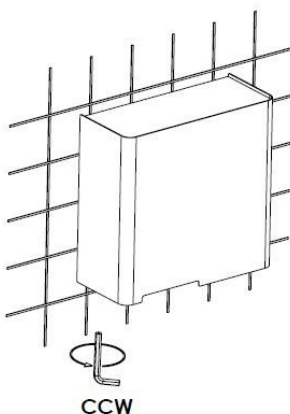


Fig 9.

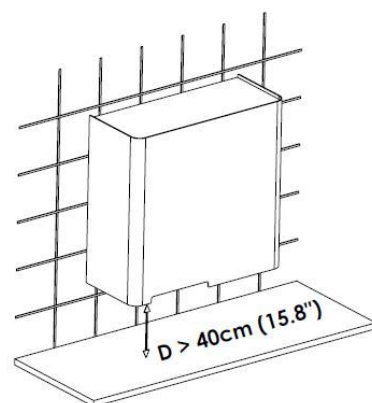


Fig. 10

INSTALLATION

The appliance includes an electronic unit that allows the adjustment of:

- Input power motor
- Sensitivity (range of detection)
- Switching the heater off

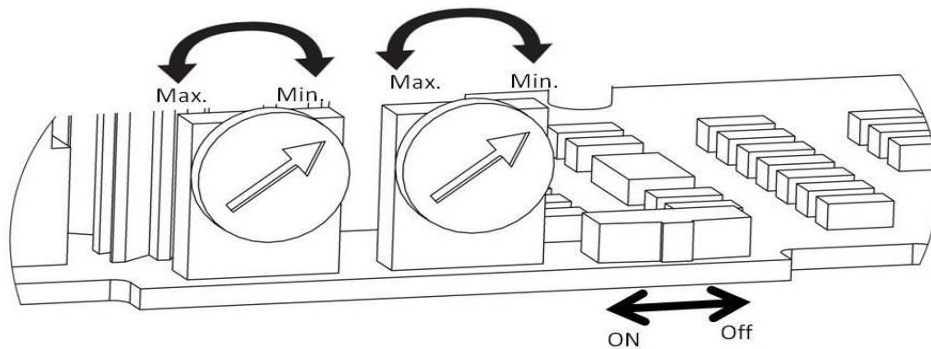


Fig. 11

Potentiometer of motor adjustment (red) / Potentiometer of range detection (blue) / Turn the heater off/on

Figure 11 above shows the main adjustment components such as potentiometers and switch.

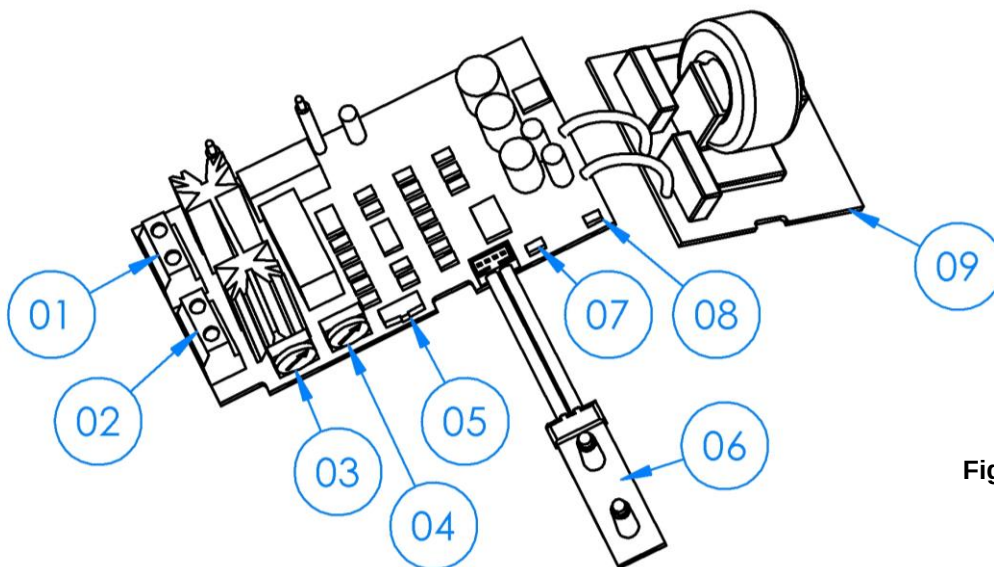
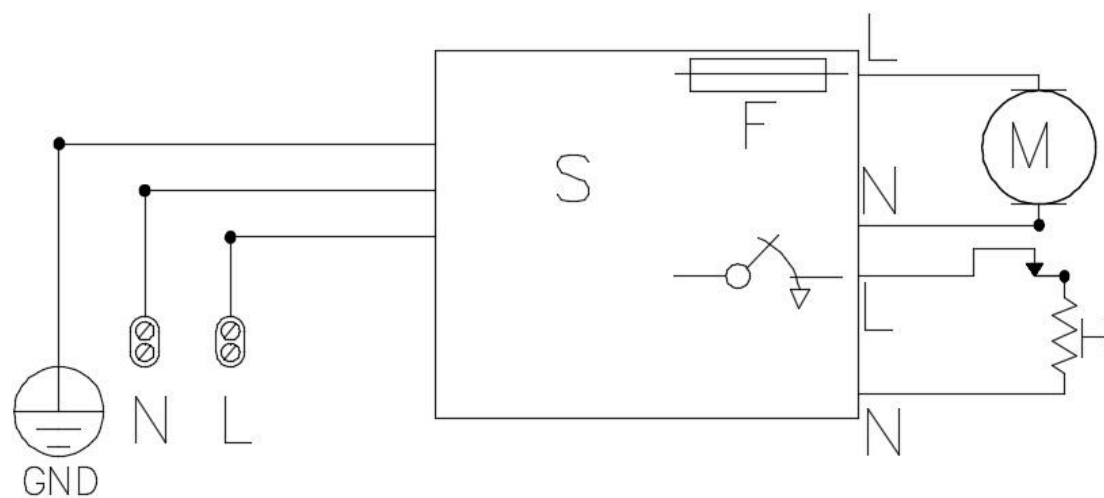


Fig. 12

01	02	03	04	05	06	07	08	09
Terminal block (heater)	Terminal block (motor)	Motor adjustment	Sensitivity	Heater switch	IR sensors	Status Led	Status Led	EMC Filter Step

WIRING DIAGRAM



M - Motor
 H - Heating Element
 F - Fuse 5 Amp
 S - Electronic control unit

Fig. 13

METHOD OF USE

D line hand dryers family operates by hands detection when it detects their presence. To dry hands correctly we recommend rising well to remove all traces of soap.

If hands are held 60 - 70 mm. (2.36 - 2.76") from the air outlet, the hand dryer will automatically start-up (see figure n° 15). The machine will stop 2 - 3 seconds after use.

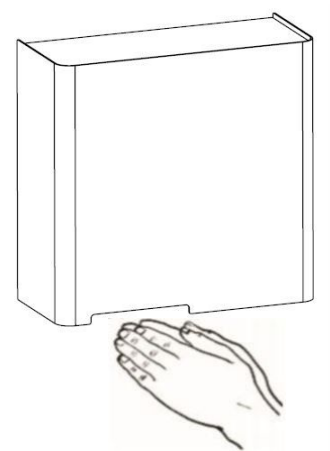


Fig. 15

Range detection can be adjusted turning around the potentiometer as figure n° 12 shows.

This hand dryer has a system to avoid vandalism and for this reason the device will completely stop working after 30 seconds operating without interruption.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

CHILDREN SHOULD BE SUPERVISED TO ENSURE THAT THEY DO NOT PLAY WITH THE HAND DRYER.

PREVENTATIVE MAINTENANCE AND CLEANING

Correct cleaning of the machine will lengthen its working life considerably.

When in use, the machine will accumulate dust inside which should be cleaned out if used regularly, at least once a year.

CLEANING METHOD

1. Remove the mains supply to the hand-dryer.
2. Remove the cover (see the section "INSTALLATION" in this manual).
3. Use the same brush to clean away all accumulated dust from the other components.
4. Use a medium brush to clean the air inlet grill. Check the motor brushes condition. These should be replaced when they are less than 5 mm (0.2").
5. Carefully remove any dust from the electronic circuit using a fine brush. Check that there is no dust or other dirt on the hand-detection sensors.
6. Ensure that the IR LED visor is totally clean.
7. Start up the machine and leave until no further dust remaining from the cleaning process, comes out from the air outlet.

CLEANING OF THE COVERS

For cleaning purposes only a wet cloth is to be used. Do not use any kind of detergent, acids, lye, abrasives, hydrochloric acid, etc.

Take care not to damage or force any component.

NOTE: All maintenance and cleaning processes must be carried out by qualified personnel.

REPLACEMENT OF INLET AIR FILTER

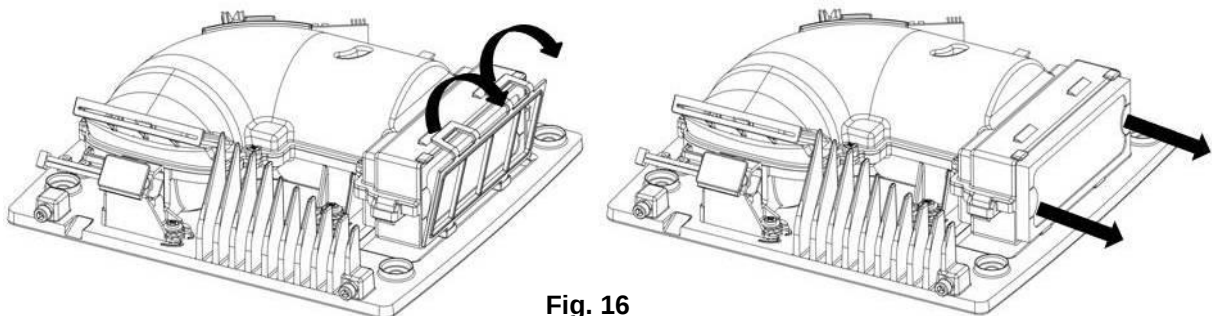


Fig. 16

The hand dryer incorporates an air filter which is located at inlet area of motor. The method to proceed when replacing this filter is as shown on Fig. 16.

MAIN COMPONENTS OF DRYER

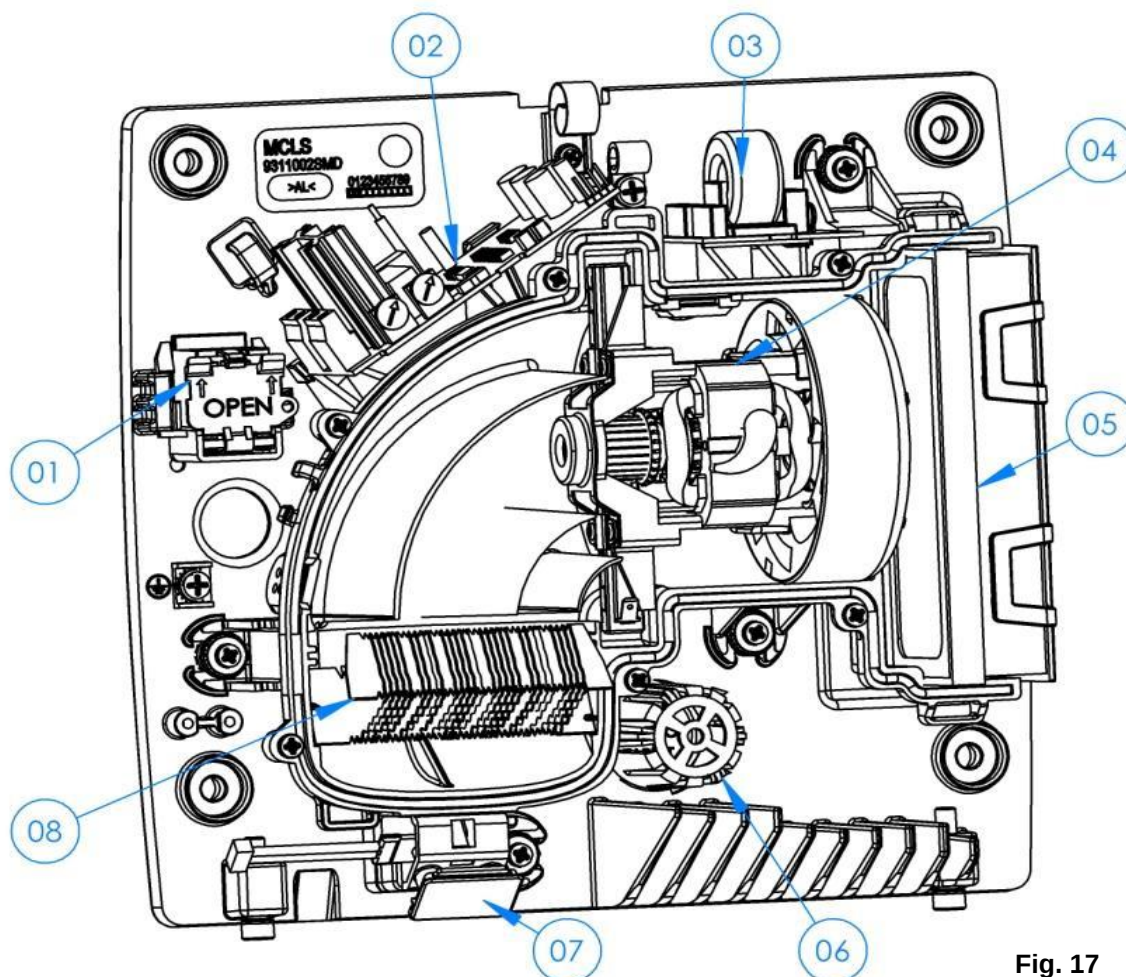


Fig. 17

** Figure above shows the main components which are inclosed in the dryer.*

01	02	03	04	05	06	07	08
Main connection	Electronic circuit	EMC filter	Motor	Air filter	Odor Pill (optional ítem)	IR SensorR	Heating element