HAND DRYERS

SENSOR OPERATED	Machflow Plus



M09A/M09A-FIL/M09A-I
White finish



M09AB/M09AB-FIL/M09AB-I
Black finish



M09AC/M09AC-FIL/M09AC-I
Bright finish



M09ACS/M09ACS-FIL/M09ACS-I
Satin finish

General description

- Sensor operated Machflow Plus hand dryer, available in steel, white or black finish and in AISI 304 stainless steel, bright or satin finish.
- With a compact and very robust design, this hand dryer is energetically very efficient and sustainable, providing great energy savings and ultra-fast hand drying. Strongly recommended for high traffic places.
- It has an adjustable power motor that regulates energy consumption (between 420 and 1,500W) and provides a maximum air output speed of 325 km/h that dries your hands between 10 and 15 seconds.
- Machflow Plus can incorporate, optionally, a HEPA filter media that filters the solid particles in suspension (pollen, dust mites, tobacco smoke, etc.) significantly improving air quality.
- As a complement to the HEPA filter medium, and also optionally, the Machflow Plus can incorporate an ionizer ("Ion Hygienic" technology) that cleans and purifies the air through the emission of anions, eliminating most of the germs and particles transported through the air, helping it to be purer and healthier.
- Optionally, it is also possible to incorporate a quick assembly / disassembly kit for the machine ("Plug-in" kit code KTP009) that allows you to install and uninstall the hand dryer easily, quickly and safely, making maintenance much more efficient and reducing your costs at the same time.
- It has an odor neutralizer, code RCPOM14 that aromatizes and deodorizes the environment thanks to its soft fragrance (optional).
- Machflow Plus is equipped with an automatic safety disconnection system that switches it off automatically after 60 seconds of continuous use.
- It has one of the lowest sound levels in the market (67 dBA in ECO mode).
- It is supplied as standard with all the elements to fix it to a brick wall.

Components and materials

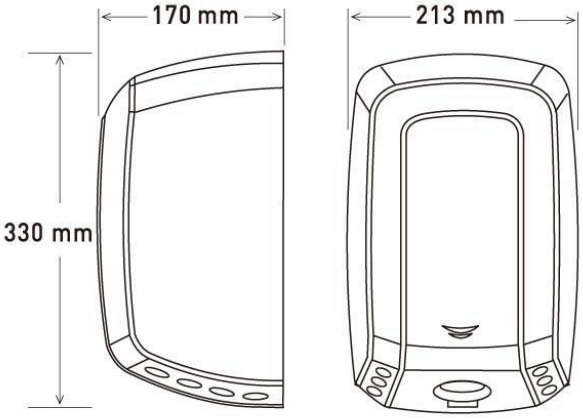
- **COVER**: made of steel (M09A… and M09AB…) or AISI 304 stainless steel (M09AC… and M09ACS…) of 1.5 mm thickness, in one piece without welding.
- **BASE PLATE:** made with PA6V0 fire resistant plastic. It incorporates 4 silent-blocks to cushion mechanical vibrations.
- **INTERIOR SET:** made of PA6V0 fire resistant plastic.
- **MOTOR:** vacuum universal brush motor, F class. Speed may be adjusted manually between 19.000 and 30.000 rpm by means of a potentiometer.

Technical Specifications

Voltage	*220- 240 V*
Frequency	*50/60 Hz*
Electrical Isolation	*Clase I*
Total power	*420 – 1,500 W*
Consumption	*3.2 –6.4 A*
Standby consumption	*0.3 W*
Motor power	*420 – 1,100 W*
Rpm	*19,000 – 30,000*
Heating element power	*400 W (interruptor "ON/OFF")*
Dimensions	*330x213x170 mm*
Weight	*5.1 Kg*
Cover thickness	*1.5 mm*
Drying time	*10-15"*
Effective airflow	*115-180 m3/h –1,917-3,000 L/min*
Air velocity	*191 – 325 Km/h*
Air temperature (10 cm distance/21ºC)	*45 ºC*
Sound pressure (*) (at 2m)	*67-74 dBA*
Protection rating	*IP23*

(*) According to UNE EN ISO 11201:2010 V2 standard

Dimensions



Dimensions: ± 4%

- **HEATING ELEMENT:** minimum waved wire NiCr heating element of 400W, mounted on a mica frame that incorporates a self-resetable thermal cut-off which disconnects the whole appliance. The heating element can be disconnected by means of a ON/OFF switch.
- **HANDS DETECTION SYSTEM:** fully adjustable IR electronic detection sensor by means of a potentiometer. Detection distance can be adjusted between 5 and 25 cm. It has an automatic disconnection system after 60 "of continuous use.
- **HEPA FILTER MEDIUM:** which filters the solid particles in suspension (pollen, dust mites, tobacco smoke, etc.) significantly improving air quality (optional).
- **IONIZER:** cleans and purifies the air through negative ions (anions) that remove microscopic particles from the air and make it healthier (optional).
- **ODOR NEUTRALIZER:** aromatizes and deodorizes the environment through its soft fragrance (optional).

Codes

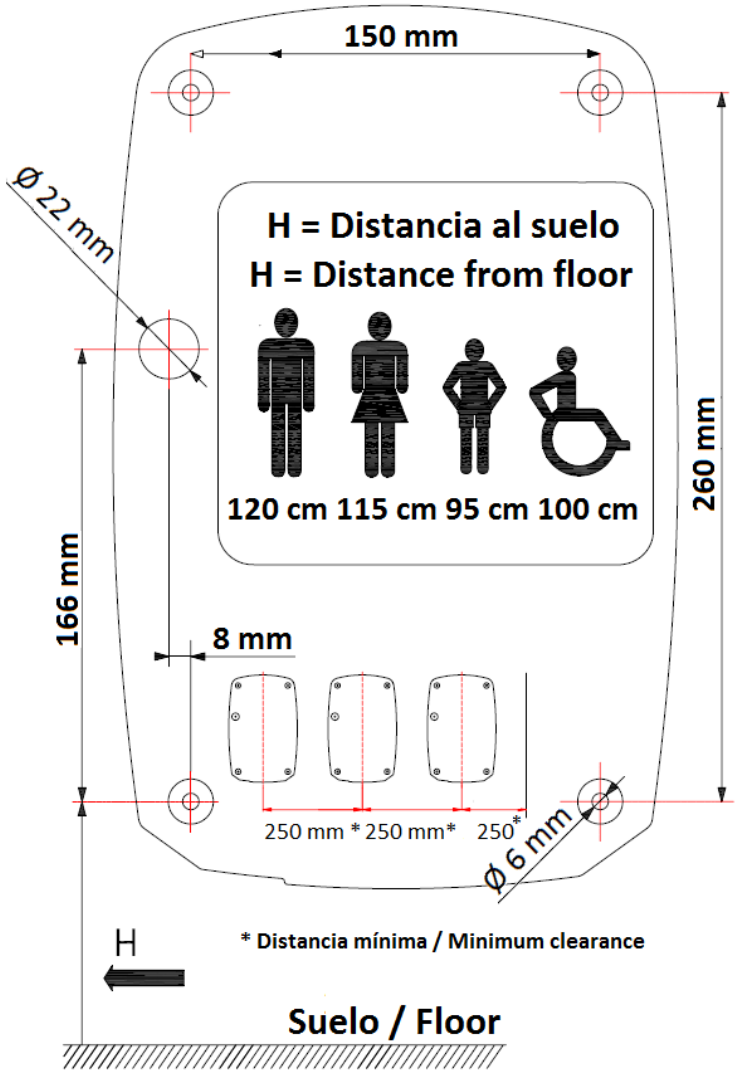
		HAND DRYER CODES		
Cover material	**Cover finish**	**Neither HEPA filter medium nor Ionizer**	**HEPA filter medium**	**HEPA filter medium + Ionizer**
Steel	White	M09A	M09A-FIL	M09A-I
Steel	Black	M09AB	M09AB-FIL	M09AB-I
Stainless steel	Bright	M09AC	M09AC-FIL	M09AC-I
Stainless steel	Satin	M09ACS	M09ACS-FIL	M09ACS-I

OPERATION

Place the hands under the air outflow valve. The dryer will start automatically, and go on with no interruption as long as the hands are kept in the detection range of the sensor. The appliance will stop 2 seconds after the hands are removed from the airflow or 60 seconds after continuous working.

MOUNTING

RECOMMENDED HEIGHTS DISTANCE FROM THE FLOOR



PLUG-IN SYSTEM

The Machflow® Plug-in technology is an easy, practical, fast and secure system to install and uninstall a hand dryer, making maintenance much more efficient and reducing at the same time its costs.



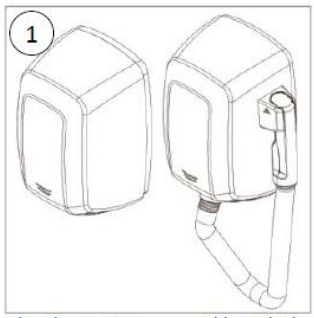




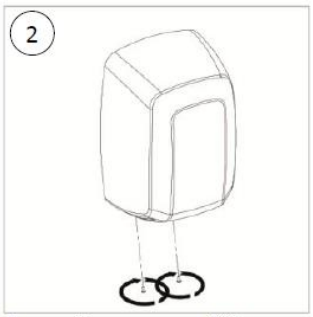
With the Machflow® Plug-in technology a hand dryer can be installed in a few steps and it can be replaced in less than 10 seconds thanks to its SMED (Single-Minute Exchange of Die) system. Furthermore its maintenance can be carried out better at the maintenance workshop and it is totally secure against electric shocks. All of these benefits allow you to reduce the maintenance costs.

This fast install/uninstall technology to the wall **is optional** and it is carried out by means of a special kit code: KTP009.

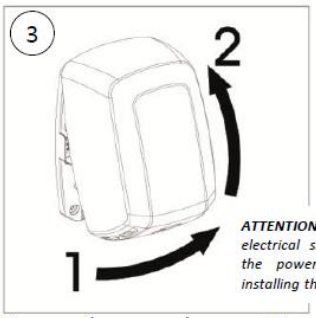
Installation of the dryer with this system is as follows:



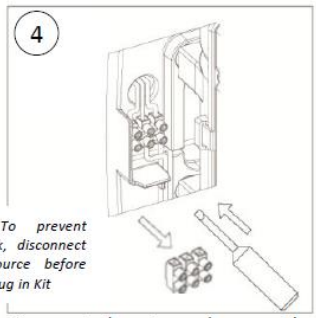
The Plug in Kit is compatible with the Machflow hand dryer and the Machflow hairdryer



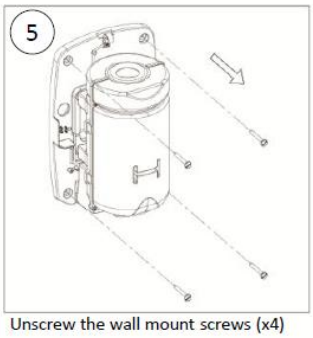
Unscrew the cover screws (x2)



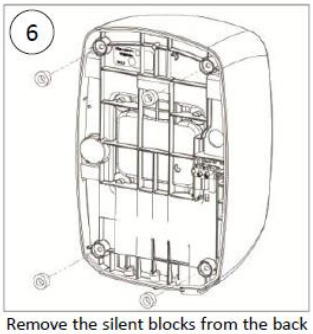
Remove the cover by a rotating movement



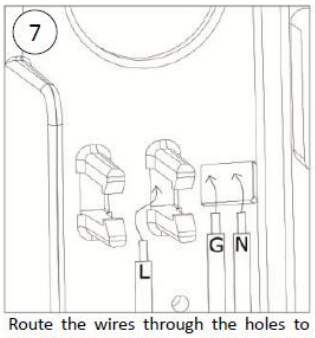
Disconnect the wires and remove the power strip



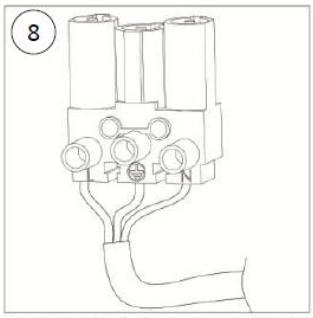
Unscrew the wall mount screws (x4)



Remove the silent blocks from the back of the unit (x4)

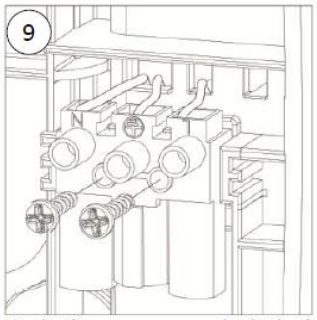


Route the wires through the holes to the back of the unit as shown on the picture



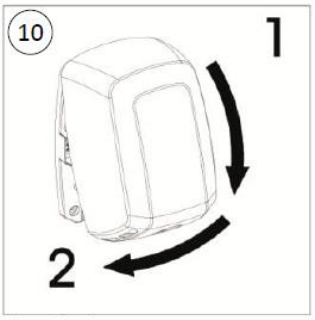
At the back of the unit, connect the wires to the fast connector following the engraved letters (N, L and Earth)

9



Fix the fast connector to the back of the unit using 2 screws

10



Close the dryer cover

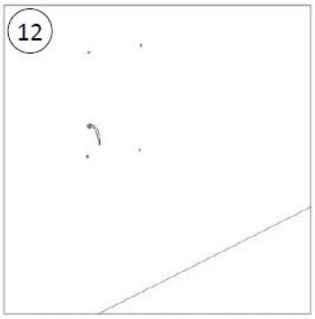
11



Screw the cover fixing screws (x2)

Your dryer is now ready to be used on a Plug-in base

12



Same wall holes may be used for the Plug-in installation

13



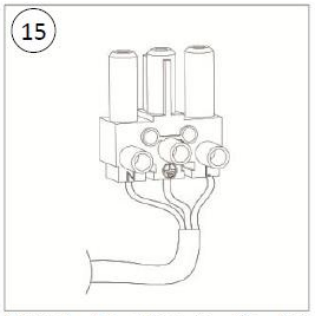
Route the wires through the Plug-in base as shown on the picture

14



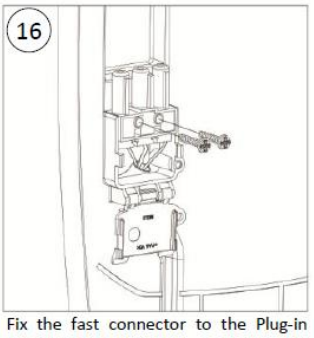
Screw the Plug-in base to the wall(x4)

15



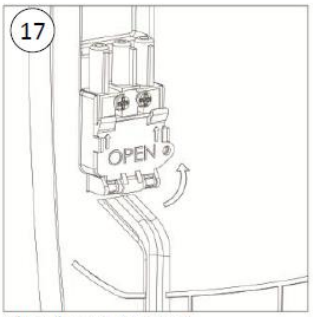
Connect the wires to the fast connector following the engraved

16



Fix the fast connector to the Plug-in base using 2 screws

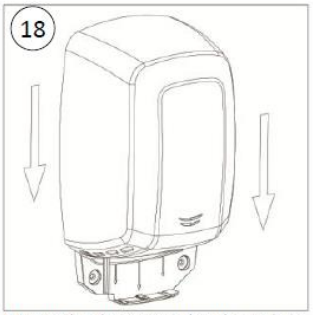
17



Close the security cover

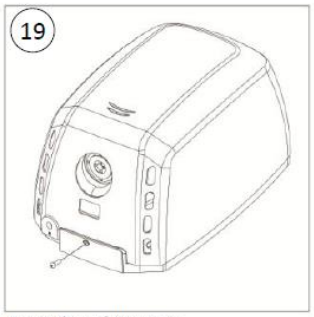
Your Plug-in base is now ready to be used with a Plug-in dryer

18



Mount the dryer over the Plug-in base with a from top to down movement

19



Screw the safety screw

Your dryer is ready to be used

CERTIFICATES AND QUALIFICATIONS

Mediclinics, S.A., reserves the right to make changes and/or modifications to the products and their specifications without prior notice.
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