

MACHFLOW – High Speed Hand Dryer (220V)



SUMMARY – PRODUCT PRESENTATION

Mediclinics, following its commitment of constantly improving its product range, has launched a new POWERFUL hand dryer.

MACHFLOW is a **super High Speed**, intelligent, **eco-friendly, efficient and powerful dryer**, made in stainless steel. With a maximum speed of 325 km/h, Machflow permits to dry hands in **only 8 to 12 seconds**. Machflow has been designed using triac electronics and no heating element, two features that give Machflow a very long life as well as a very **low power consumption**.

Machflow is available in three different finishes: steel white epoxy (M09A), stainless steel AISI 304 bright (M09AC) and stainless steel AISI 304 satin (M09ACS).

ENVIRONMENTAL INNOVATION PROFILE

System or Product name	Machflow Hand Dryer by MEDICLINICS
Presentation	Machflow: The newest generation of warm air hand dryers for super-fast hand drying with eco-friendly features. Using innovative patented solutions, Machflow resulted in redesigning the basic concept for a completely new innovative approach of electric hand dryers.
Professional category	HAND DRYER

Type of environmental innovation

Technical description

PRODUCT

Machflow is the result of:

1. Airspeed up to 325 km/hr, four times more airspeed than conventional electric hand dryers.
2. Lowest noise in its category.
3. Draws as low as 420 Watts in stead of the usual 2300 Watts of traditional electric hand dryers.
4. Power consumption down to 3.3 Amps per drying cycle, compared to 10 Amps for average traditional dryers.
5. Up to more than 90% energy savings over traditional hand dryers.
6. Components designed for a long service-life.
7. Steel and stainless steel covers.
8. Ideal for toughest traffic areas.
9. Built for hard wear and economic durability
10. Automatic disconnection after 60 seconds continues running

Motivation

To design a green product for a sustainable environment

Objective

To offer a green hand dryer which reduces more than three times the power consumption than traditional hand dryers, reducing the drying time as much as possible.

Implemented actions

Design and testing

The innovation satisfies the following criteria:

- OK** Minimization of resources and materials
- OK** Reduction of the produced waste
- Reduction of climate-altering gasses
- Use of renewable resources
- OK** Use of recycled and/or recyclable materials
- OK** Extension of duration of the product
- OK** Easy disassembling
- OK** Use of local resources and reduction of transportation
- OK** Reduction and optimization of the packaging
- Obtainment of one or more voluntary certifications
- OK** Providing data for the assessment of the proposed product
- OK** Consumption (litres of fuel, kw of energy) in time units
- OK** Noise Reduction
- concentration levels of active ingredients and or dosage systems

Environmental impact of the innovation

Machflow is designed to be green, using green materials where possible and respecting green principles in production with a very small environmental footprint. The technology used when designing the motor and the fact that there is no heating-element contributes to low power consumption. Machflow increases the efficiency because it requires very little electricity and operates in the shortest drying time. Consequently, Machflow is cost effective and eco-friendly. Machflow is a sustainable product because it has a long component life design that reduces the amount of waste.

Present on the market from

1st Quarter - 2010