La Place Ronde, La Défense, Paris, France
Simply functional

About 50 years ago, the first revolution in public toilet facilities took place throughout the world, with the appearance of the first hot air hand dryers. A new system for hand drying appeared and, thanks to its many advantages compared with other hand drying methods at that time, it slowly became more popular and familiar. Nowadays, you rarely see a public toilet without a hand dryer.

Now we can talk about a second wave of hand dryer innovation. The hot air hand dryer concept evolved and a new concept was born: the high speed, energy efficient, hand dryer.

Thus, the traditional hot air hand dryers were complemented by a new line of hand dryers that achieved drastically reduced drying times, operational costs and CO₂ emissions to the atmosphere. For this reason, we also call them eco-fast hand dryers.

THE ADVANTAGE OF HIGH SPEED

High speed dryers have become the market benchmark for hand drying solutions. With faster drying than traditional models, these machines achieve a high level of user satisfaction. They are extremely efficient as regards energy consumption, achieve a significant reduction in operational costs, improve the sustainability performance of the building and reduce CO₂ emission levels to the atmosphere.

THE ADVANTAGES OF TRADITIONAL MACHINES

Traditional hand dryers (hot air hand dryers) are the perfect option for locations where a low noise level is required, such as libraries, theatres, cinemas, etc. and also in places where there may be vandalism. In the last case, the robustness and durability of these dryers is ideal.

These hand dryers continue to be, therefore, a good solution in many cases, so Mediclinics also offers one of the best ranges of this type of hand dryer on the market.

OUR RANGE

Currently, Mediclinics, as a result of its continuous innovation, has 3 hand dryer ranges divided into 8 families. These are available in different finishes and performance levels, which means we offer a wide range of solutions for hand drying, whether from a more traditional perspective or through an eco-fast perspective.
ECO-FAST RANGE

Faster, safer, cleaner and more environmentally friendly HAND DRYERS.

The hand dryers from the Mediclinics eco-fast range are very energy efficient, as their electrical power consumption is very low. They are also very environmentally friendly, as their CO₂ emission levels to the atmosphere are very low and they are manufactured from 100% recyclable materials.

The cutting-edge technology applied to this line of eco-fast hand dryers makes them unique in the market. The main advantages of these hand dryers are:

• Reduction in drying time (between 8 and 15 seconds).
• Drying 3 times faster than traditional models, thus reducing waiting times and increasing traffic flow.
• Low energy consumption.
• CO₂ emission levels to the atmosphere among the lowest on the market.

• Reduced noise pollution levels compared to competitors’ models.
• Reduction in energy consumption varies between 80 and 90%, compared to other traditional dryers.

"BLUE ANGEL": THE GREEN SOLUTION

"Blue Angel" certification is an environmental label awarded by the German Federal Government for the protection of people and the environment. The main aims of this eco-label are: climate protection, the reduction of energy consumption and to prevent the emission of polluting agents and waste.

The Blue Angel eco-label for our hand dryers certifies that:

• Consume little energy
• Obtain high drying indices in a short time
• Are robust, safe and are designed with recyclable materials
• Do not contain materials that could damage the environment or people
ENERGY SAVINGS
The new technologies applied to these hand dryers mean that they consume much less.

ULTRA-FAST DRYING TIME
The usual drying time of conventional machines is over 30 seconds, so the DUALFLOW PLUS, MACHFLOW and SPEEDFLOW families are four times faster (8-15 seconds). They are unquestionably some of the fastest hand dryers on the market.

CARING FOR THE ENVIRONMENT
The CO₂ emission level of a traditional hand dryer is approximately 4.5 g CO₂/drying cycle (*). The CO₂ emission levels of a Dualflow Plus, Machflow or a Speedflow is approximately 0.8 g CO₂/drying cycle (*). They are surely the lowest CO₂ emission levels on the market.

MINIMUM NOISE POLLUTION
It is estimated that the noise from a conventional hand dryer is approximately 90 dBA, so the DUALFLOW PLUS, MACHFLOW and SPEEDFLOW families would be between 15% and 30% below this level. They are undoubtedly the lowest noise levels on the market.

(*) Data calculated considering average emissions (g CO₂/kWh) of each one of the electricity production technologies in Spain during 2015 and also the specific weight in % of each one on the total generation of electrical power.
DUALFLOW PLUS
A new generation hand dryer, fast, powerful, efficient and with an elegant design

• Ultra-fast drying speed (8-15 seconds)
• Low energy consumption (1.8 - 4.2 W/h per drying cycle)
• Very low CO₂ emissions level
• Very low noise level in its category (62-72 dBA)
• Adjustable motor speed with a potentiometer (19,000 - 30,000 rpm)
• Air filtration with a HEPA filter (filters 99.95% of 0.3 micron particles)
• Removable water tank for cleaning and disinfection
• Optionally it can be connected directly to the waste pipe
• BioCote, inhibits the growth of bacteria that cause bad smells and stains
• Switch for turning the heating element on and off easily
• Easy maintenance and ADA compliant
Dualflow Plus M14 is probably the most eco-friendly "hands-in" type of dryer on the market. Stylish designed for safe, fast and economical use in all washrooms with high or low volume traffic. Dualflow plus offers great features at a competitive price.

**Comparative Consumption - saving**

<table>
<thead>
<tr>
<th></th>
<th>Wattage</th>
<th>Consumption €/Minute*</th>
<th>Consumption €/Hour*</th>
<th>Economical saving Dualflow® Plus vs competitors %</th>
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<tbody>
<tr>
<td>Other U-shape dryer</td>
<td>1600</td>
<td>0.004</td>
<td>0.231</td>
<td>73.71 %</td>
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<tr>
<td>Asian &quot;hands-in&quot;</td>
<td>1750</td>
<td>0.005</td>
<td>0.274</td>
<td>75.71 %</td>
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<tr>
<td>Dualflow® Plus dryer</td>
<td>420</td>
<td>0.001</td>
<td>0.066</td>
<td></td>
</tr>
</tbody>
</table>

*Calculation basis 0.156674 eur/Kwh (VAT and taxes not included)

**Features**

- **4 Air nozzles** For fastest hand drying
- **Luminous frontal leds** For a quick diagnosis of the hand dryer status
- **3 most popular finishes** In white (M14A), satin (M14ACS) or black (M14AB)
- **BIOCOTE** Antimicrobial technology is embedded to protect surfaces on the dryer in contact with the water
- **Water from hands is collected** No hazardous water waste on the floor
- **Variable speed** Energy consumption, noise level and drying time are adjustable
- **On/Off switch for heating element** Option to turn on/off the heating element
- **H13 HEPA filter** To prevent growth of a wide of microorganism circulating in the air
- **Removable water tank** With external valve for easy emptying
- **Drainpipe connection** First hand dryer directly connected to the drainpipe (Optional)
- **Air-freshener tablet** For a clean and fresh washroom (Optional)
- **Heating element** For maximum comfort

Over 73% saving in energy consumption compared to equivalent dryers
**HYGIENE**

**Biocote® Antimicrobial Technology**

The Dualflow Plus incorporates BioCote® technology in additive form. This additive is incorporated at the time of manufacture of the machine’s components that are in direct contact with the water and provides continuous antimicrobial protection.

The active ingredient on the surface of a material treated with a BioCote® additive attaches to the microbes that come into direct contact with the machine’s surface, it then attacks and inhibits their reproductive function. On not being able to reproduce, the microbes gradually die off and disappear from the surface of the hand dryer.

**Biocote® Antimicrobial Protection:**
- Removes 80% of microbes in 15 minutes
- Removes 99.9% of microbes in 2 hours
- Remains active until the end of the useful life of the product
- It is effective against bacteria, fungi and some viruses
- It acts continuously and relentlessly.

The level of microbes on a BioCote® protected surface is reduced up to 99.5% in two hours, compared to an untreated one. BioCote® technology starts to have an effect after just 15 minutes.

**NOTE:** BioCote® technology does not protect users or others against disease causing bacteria, germs, viruses or other harmful organisms. This technology is not a substitute for good hygiene and/or cleaning practises.

**HEPA H13 Filter**

The Dualflow Plus incorporates a HEPA 13 filter as standard that filters solid particles in suspension in the air, which significantly improves its quality. HEPA stands for “High Efficiency Particle Arrestance”. It is a high-capacity filter that can trap a very high number of micro-particles such as pollen, dust mites and tobacco smoke.

The HEPA filter removes more than 99.95% of particles larger than 0.3 microns in size (particles approximately 300 times smaller than the diameter of a human hair). The HEPA 13 filter, in accordance with standard EN 1822:2009, has the following characteristics:

- Blocks 99.95% of 0.3 μm particles
- Blocks smells (carbon filter)
- 100% resistant to moisture
- Maximum working temperature 70°C
- Cannot be washed
• High speed Class F universal brush motor.
• ABS cover
• Motor power adjustable, allowing electricity consumption to be regulated
• Minimum Heating element (only 400W) with switch “on/off” option
• IR sensors in both sides for automatic hands detection
• H13 HEPA filter, efficient to MPPS* > 99.95%, penetration at the MPPS* of 0.05%. Humidity resistance 100%

* MPPS: Most penetrating particle size

Optionally, and by means of a kit for the connection to the waste pipe, code KITDESM14A, the dualflow® plus can be connected directly to the waste pipe. Thus the emptying of the water tank is eliminated because the water always goes directly to the waste pipe.

**NEW FEATURES**

- Inner tank to collect the water. Removable water tank, with external valve for easy emptying
- Acoustic and optical warning of full water tank
- Frontal leds showing the status of the hand dryer
- Proven antimicrobial and antibacterial protection using silver ion technology from Biocote®, resisting the growth of microbes e.g. bacteria and moulds, complementing the cleaning routines
- An optional odor neutralizer for a cleaner and more pleasant atmosphere in the bathroom is available (Ref. RC POM 14)
MACHFLOW
Technology, robustness, compact design and quality at the service of hand drying

- Ultra-fast drying speed (8-15 seconds)
- Low energy consumption (1.8-4.2 W/h per drying cycle)
- Very low CO₂ emissions level to the atmosphere
- Low noise pollution (67-74dBA)
- Adjustable high speed motor (19,000-30,000 rpm)
- Switch for turning the heating element on and off easily
- Easy maintenance
- Fast install/uninstall technology to the wall (optional)
- Solid and compact
MACHFLOW

pure strength

Fast, tough, smart and most energy efficient eco high-speed hand dryer fully adjustable to individual needs. Designer for saving money and time in hand drying.

Air-freshener tablet.
For a clean and fresh bathroom (Optional)

Heating element
For a maximum comfort

Silentblocks
In the base plate to cushion mechanical vibrations

On/Off switch for the heating element
Option to turn on/off the heating element

Variable speed.
Energy consumption, noise level and drying time are adjustable

The machflow® Plug-in technology is an easy, practical, fast and secure system to install and uninstall the hand dryer (optional)

Hands distance detection
Electronic infrared detection sensor adjustable by means of a potentiometer

available in four finishes
White  Black  Bright  Satin
**M09A · M09AB COMPONENTS AND MATERIALS**

- **M09A**
  - Material: steel
  - Finish: white epoxy

- **M09AB**
  - Material: steel
  - Finish: matte black epoxy

**M09A · M09AB TECHNICAL SPECIFICATIONS**

- Maximum air velocity: 325 Km/h
- One-piece weld-free cover
- The base includes silent-blocks to cushion mechanical vibrations
- Class F high pressure universal brush motor
- Motor power is adjustable, allowing electricity consumption to be regulated
- PA6 V0 internal set
- Disconnects automatically after 60 seconds of continuous use
- Minimum Heating element (only 400W) with switch “on/off” option
- Fast install/uninstall technology to the wall (optional). Plug-in system
- Electronic infrared detection sensor Detection distance adjustable by potentiometer (5 - 25 cm)
- An optional odor neutralizer for a cleaner and more pleasant atmosphere is available (Ref. RCPOM14)

**Specifications:**

- **Voltage:** 220 - 240 V
- **Frequency:** 50 / 60 Hz
- **Electrical Isolation:** Class I
- **Total power:** 420 - 1,500 W
- **Consumption:** 3.2 - 6.4 A
- **Motor power:** 420 - 1,100 W
- **r.p.m.:** 19,000 - 30,000
- **Heating element power:** 0 W or 400 W (on/off switch)
- **Weight:** 5.1 Kg
- **Cover thickness:** 1.5 mm
- **Drying time:** 8 - 15 sec
- **Air velocity:** 191 - 325 Km/h
- **Air temperature (10 cm distance / 21°C):** 45°C
- **Sound pressure (at 2m):** 67 - 74 dBA
- **Protection rating:** IP23
• Maximum air velocity: 325 Km/h
• One-piece weld-free cover
• The base includes silent-blocks to cushion mechanical vibrations
• Class F high pressure universal brush motor
• Motor power is adjustable, allowing electricity consumption to be regulated
• PAG V0 internal set
• Disconnects automatically after 60 seconds of continuous use

• Minimum Heating element (only 400W) with switch “on/off” option
• Fast install/uninstall technology to the wall (optional).
  Plug-in system
• Electronic infrared detection sensor Detection distance adjustable by potentiometer (5 - 25 cm)
• An optional odor neutralizer for a cleaner and more pleasant atmosphere is available (Ref. RCPOM14)

**M09AC · M09ACS COMPONENTS AND MATERIALS**

**M09AC · M09ACS TECHNICAL SPECIFICATIONS**

```
Voltage: 220 - 240 V
Frequency: 50 / 60 Hz
Electrical isolation: Class I
Total power: 420 - 1,500 W
Consumption: 3.2 - 6.4 A
Motor power: 420 - 1,100 W
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Sound pressure (at 2m): 67 - 74 dBA
Protection rating: IP23
```
Wall box is fabricated of two welded parts. The dryer mounting areas is fabricated of 1 mm 18-8 type AISI 304 stainless steel, it includes 4 M5 bolts welded on top of the base plate for fitting of the machflow® hand dryer. The frame is fabricated of 0.7 mm 18-8 type AISI 304 stainless steel with 4 screw holes of Ø6.5 mm for mounting on the wall.

Nuts and bolts for the fitting of the hand dryer to the kit included: 4 nuts DIN 934 M5, 4 washers DIN 9021 M5 and 4 rubber silent blocks 8 x 18 mm.

NOTE: the screws and wall plugs for the mounting of the cabinet to the wall are not included. The use of stainless steel screws is recommended.

Weight: 3 Kg (6.6 lbs) without machflow® hand dryer.

The American with Disabilities Act (ADA) defines the accessible requirements for the design of washroom spaces in the USA.

In chapter 3: “Protruding objects”, point 307.2 “Protrusion limits” ADA says: objects above the finish floor or ground shall protrude 100 mm maximum horizontally into the circulation path.

The Speedflow has been designed to fully comply with these recommendations.
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 only three main steps, it can be replaced in less than 10 seconds thanks to its SMED (Single-Minute Exchange of Die) system, 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.

Benefits of the Plug-in system

• The machflow® Plug-in technology makes the hand dryer installation easier. With this technology it is only needed three main steps to carry it out, as follows:

  **Step 1.** Wall base plate fixation

  **Step 2.** Assembly of the safety socket

  **Step 3.** Hand dryer installation to the wall

• Ready to work 24/7 with the machflow® Plug-in technology. The replacement of the hand dryer for maintenance purposes is straightforward (the hand dryer can be replaced in less than 10 seconds thanks to its SMED system) and it is not necessary to be carried out by a qualified technician (the plug and the socket used by the machflow® Plug-in technology are totally electrical isolated).

• Reduction of the maintenance costs thanks to: easy installation of the hand dryer, its quick replacement and the possibility to carry out maintenance operations at the maintenance workshop.

• Secure against electric shocks with the machflow® Plug-in technology. Electrical connections are much more secure with the machflow® Plug-in technology than the traditional electrical connection systems, because it avoids the risk of users accidentally touching energized conductors and thereby experiencing electric shock.
Hands distance detection
Electronic infrared detection
Sensor adjustable by means of a potentiometer

SPEEDFLOW
Versatile design, durable, modern and elegant

- Fast drying time (10-12 seconds)
- Very low energy consumption (0.5 - 3.2 W/h) per drying cycle
- Adjustable high speed motor (8,500-11,200 rpm)
- Universal voltage (110 – 240 V)
- Heating element turned off by means of a jumper.
- Meets ADA regulations (projects just 100 mm from the wall)
- Vandal proof
SPEEDFLOW
high-speed elegance
This especially stylish dryer is highly powerful despite its unique flat design.

- **Silentblocks**: In the base plate to cushion mechanical vibrations
- **Ultraflat design**: Protrudes only 10cm from the wall
- **ON / OFF jumper for heating element**: Option to turn on/off the heating element
- **Global Universal Voltage**: Accepts 110-120/208/220-240 VAC input
- **Heating element**: For maximum comfort
- **Hands distance detection**: Electronic infrared detection sensor adjustable by means of a potentiometer
- **Variable speed**: Energy consumption, noise level and drying time are adjustable
- **dries hands in 10-12 seconds**

Available in four finishes:
- White
- Black
- Bright
- Satin

**This especially stylish dryer is highly powerful despite its unique flat design.**
The American with Disabilities Act (ADA) defines the accessible requirements for the design of washroom spaces in the USA. In chapter 3: “Protruding objects”, point 307.2 “Protrusion limits” ADA says: objects above the finish floor or ground shall protrude 100 mm maximum horizontally into the circulation path.

The Speedflow has been designed to fully comply with these recommendations.

- Weld-free cover fixed to the base with two safety screws and lock with special speedflow® key
- Aluminium base. Includes silent-blocks to damp mechanical vibrations
- Fire resistant plastic fan scroll
- High-speed motor with safety thermal cut-off
- Aluminium centrifugal double asymmetrical inlet fan wheel
- Speed motor adjustable by means of a potentiometer
- Disconnection of the heating element (H.E) by means of a jumper
- Disconnects automatically after 60 seconds of continuous use
- Electronic infrared detection sensor. Adjustable detection by potentiometer (5 - 25 cm)
- Ultra-flat: 10 cm deep (complies with ADA regulations)
- The electronic control unit detects whether the motor brushes have worn out, turning off the hand dryer as an additional safety measure
- Universal voltage

**M06A - M06AB COMPONENTS AND MATERIALS**

- Material: steel
- Finish: white epoxy

- Material: steel
- Finish: matte black epoxy

**M06A - M06AB TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tr>
<td>Voltage</td>
<td>100-120 V, 208 V, 220-240 V</td>
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<tr>
<td>Frequency</td>
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<tr>
<td>Electrical Isolation</td>
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</tr>
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<td>Total power (heating el. ON)</td>
<td>1,010 W - 1,150 W</td>
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<tr>
<td>Total power (heating el. OFF)</td>
<td>110 - 250 W</td>
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<tr>
<td>Consumption</td>
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<td>Motor power</td>
<td>110 - 250 W</td>
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<td>r.p.m.</td>
<td>8,500 - 11,200</td>
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<td>Heating element power</td>
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<tr>
<td>Weight</td>
<td>3.8 Kg</td>
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<tr>
<td>Cover thickness</td>
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<tr>
<td>Drying time</td>
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<tr>
<td>Air velocity</td>
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<td>Air temp. (10 cm distance / 21°C)</td>
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In chapter 3: "Protruding objects", point 307.2 "Protrusion limits" ADA says: objects above the finish floor or ground shall protrude 100 mm maximum horizontally into the circulation path.

The Speedflow has been designed to fully comply with these recommendations.

- Weld-free cover fixed to the base with two safety screws and lock with special speedflow® key
- Aluminium base. Includes silent-blocks to damp mechanical vibrations
- Fire resistant plastic fan scroll
- High-speed motor with safety thermal cut-off
- Aluminium centrifugal double asymmetrical inlet fan wheel
- Speed motor adjustable by means of a potentiometer
- Disconnection of the heating element (H.E) by means of a jumper
- Disconnects automatically after 60 seconds of continuous use
- Electronic infrared detection sensor. Adjustable detection by potentiometer (5 - 25 cm)
- Ultra-flat: 10 cm deep (complies with ADA regulations)
- The electronic control unit detects whether the motor brushes have worn out, turning off the hand dryer as an additional safety measure
- Universal voltage

### M06AC · M06ACS COMPONENTS AND MATERIALS

- Material: AISI 304 stainless steel
- Finish: bright
- Material: AISI 304 stainless steel
- Finish: satin

### M06AC · M06ACS TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>M06AC</th>
<th>M06ACS</th>
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<tbody>
<tr>
<td>Voltage</td>
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<td>Frequency</td>
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</tbody>
</table>
HIGH TRAFFIC RANGE
Reliable, durable, vandal proof, safe and quality HAND DRYERS

Saniflow® and Mediflow® are the two hand dryer families from the Mediclinics high traffic range. They are characterised by an easy maintenance design, by their vandal proof features, by their robustness, but, above all, by their great reliability. These hand dryers were conceived to offer excellent performance over many years in very high traffic areas, such as airports, sports stadiums, shopping centres, sports centres, etc.

Due to their low noise level during operation, these hand dryers are also ideal for installation in places where quiet is important, such as museums, libraries, cinemas, theatres, etc.
The main advantages of these hand dryers are:

• High speed and long lasting motors that provide a stable and constant air flow that guarantees full drying of the hands in a few seconds.

• Adjustable detection distance, in all the automatic models of the range, in order to obtain the optimal hand detection distance depending on the available light.

• Built-in safety systems, such as thermal cut-off in the motors and in the heating elements, automatic cut-out system and vandal proof security screws that prevent accidents such as fire, electrocution, trapping, etc.

• Option to use a wall recess kit, with a frame manufactured in the same finish as the installed dryer, in order to comply with the ADA and UNE standards for the elimination of architectural barriers, which limit the horizontal projection of hand dryers to 100 mm, thus facilitating access for those with reduced mobility.
SANIFLOW
A classic, robust and reliable design for the 21st century.

• High speed and long lasting motors that provide a stable and constant air flow that guarantees full drying of the hands in a few seconds.
• Robust, reliable and high quality hand dryer
• One of the most powerful air flows on the market, within its class of machine
• The heating element and the motor have built-in safety thermal cut-off
• Chromed 360° rotating nozzle
• Manual or automatic operating options
• Vandal proof
• Easy cleaning and maintenance
Weld-free cover fixed to the base with two vandal-proof lock screws and a special saniflow® key
3 mm thick aluminium base
Fire resistant plastic fan scroll
Class F universal brush motor incorporating a safety thermal cut-off
Aluminium centrifugal double symmetrical inlet fan wheel

The heating element includes a safety thermal cut-off
360° revolving nozzle in chrome-plated zamak
Chrome-plated zamak button activates an electronic timer with a 35-second cycle
Four silent-blocks to minimise vibrations and noise

**E05 · E05B · E05C · E05CS COMPONENTS AND MATERIALS**

- Material: steel
  - Finish: white epoxy
- Material: steel
  - Finish: matte black epoxy
- Material: AISI 304 stainless steel
  - Finish: bright
- Material: AISI 304 stainless steel
  - Finish: satin

**E05 · E05B · E05C · E05CS TECHNICAL SPECIFICATIONS**

- Voltage: 220 - 240 V
- Frequency: 50 / 60 Hz
- Electrical Isolation: Class I
- Total power: 2,250 W
- Consumption: 10 A
- Motor power: 250 W
- r.p.m.: 5,500
- Heating element power: 2,000 W
- Weight: 4.65 Kg
- Cover thickness: 1.5 mm
- Drying time: 29 sec
- Air velocity: 100 km/h
- Air temperature (10 cm distance / 21°C): 50°C
- Sound pressure (at 2 m): 68 dBA
- Protection rating: IP23
HAND DRYERS    saniflow®
push-button / sensor operated

E85 · E85A COMPONENTS AND MATERIALS

- Weld-free cover fixed to the base with two vandal-proof lock screws and a special saniflow® key
- 3 mm thick aluminium base
- Fire resistant plastic fan scroll
- Class F universal brush motor incorporating a safety thermal cut-off
- Aluminium centrifugal double symmetrical inlet fan wheel
- The heating element includes a safety thermal cut-off

- Includes 4 silent-blocks to minimise vibrations and noise
- 360° revolving nozzle in chrome-plated zamak

E85
- The chrome-plated zamak button activates an electro-mechanic timer with a 35-second cycle

E85A
- Electronic infrared detection sensor
- Adjustable detection distance 15-25 cm

E85 · E85A TECHNICAL SPECIFICATIONS

Voltage 220 - 240 V
Frequency 50 / 60 Hz
Electrical Isolation Class I
Total power 2,250 W
Consumption 10 A
Motor power 250 W
r.p.m. 5,500
Heating element power 2,000 W
Weight 11.5 Kg
Cover thickness 6 mm
Drying time 29 sec
Air velocity 100 Km/h
Air temperature (10 cm distance / 21°C) 50°C
Sound pressure (at 2m) 68 dBA
Protection rating IP23
- Weld-free cover fixed to the base with two vandal-proof lock screws and a special saniflow® key
- 3 mm thick aluminium base
- Fire resistant plastic fan scroll
- Class F universal brush motor incorporating a safety thermal cut-off

- Aluminium centrifugal double symmetrical inlet fan wheel
- The heating element includes a safety thermal cut-off
- Includes 4 silent-blocks to minimise vibrations and noise
- 360° revolving nozzle
- The button activates an electro-mechanic timer with a 35-second cycle

**E88 · E88B · E88C · E88CS**  COMPONENTS AND MATERIALS

- **E88**
  - material: steel
  - finish: white enamelled coating

- **E88B**
  - material: steel
  - finish: black enamelled coating

- **E88C**
  - material: steel
  - finish: bright chrome

- **E88CS**
  - material: steel
  - finish: satin chrome

**E88 · E88B · E88C · E88CS**  TECHNICAL SPECIFICATIONS

- **Voltage**: 220 - 240 V
- **Frequency**: 50 / 60 Hz
- **Electrical Isolation**: Class I
- **Total power**: 2,250 W
- **Consumption**: 10 A
- **Motor power**: 250 W
- **r.p.m.**: 5,500
- **Heating element power**: 2,000 W
- **Weight**: 5.9 Kg
- **Cover thickness**: 1.5 mm
- **Drying time**: 29 sec
- **Air velocity**: 100 Km/h
- **Air temperature (10 cm distance / 21°C)**: 50°C
- **Sound pressure (at 2m)**: 68 dBA
- **Protection rating**: IP23
**E88O · E88AO **

**COMPONENTS AND MATERIALS**

- Weld-free cover fixed to the base with two vandal-proof lock screws and a special saniflow® key
- 3 mm thick aluminium base
- Fire resistant plastic fan scroll
- Class F universal brush motor incorporating a safety thermal cut-off
- Aluminium centrifugal double symmetrical inlet fan wheel
- The heating element includes a safety thermal cut-off
- Includes 4 silent-block to minimise vibrations and noise
- 360° revolving nozzle
- The button activates an electro-mechanic timer with a 35-second cycle
- Electronic infrared detection sensor
- Adjustable detection distance 15-25 cm

**E88O · E88AO **

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>E88O</th>
<th>E88AO</th>
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<tbody>
<tr>
<td>Voltage</td>
<td>220 - 240 V</td>
<td>220 - 240 V</td>
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<tr>
<td>Frequency</td>
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<td>50 / 60 Hz</td>
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<td>Class I</td>
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<tr>
<td>Air velocity</td>
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<tr>
<td>Protection rating</td>
<td>IP23</td>
<td>IP23</td>
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</table>

**Dimensions:**

- **E88O:**
  - Length: 278 mm
  - Width: 248 mm
  - Height: 212 mm
- **E88AO:**
  - Length: 278 mm
  - Width: 248 mm
  - Height: 212 mm
• Weld-free cover fixed to the base with two vandal-proof lock screws and a special saniflow® key
• 3 mm thick aluminium base
• Fire resistant plastic fan scroll
• Class F universal brush motor incorporating a safety thermal cut-off
• Aluminium centrifugal double symmetrical inlet fan wheel

• The heating element includes a safety thermal cut-off
• 360° revolving nozzle in chrome-plated zamak
• Electronic infrared detection sensor
• Adjustable detection distance 15-25 cm
• Four silent-blocks to minimise vibrations and noise

**E88A · E88AB · E88AC · E88ACS**
**COMPONENTS AND MATERIALS**

**E88A**
- Material: steel
- Finish: white enameled coating

**E88AB**
- Material: steel
- Finish: black enameled coating

**E88AC**
- Material: steel
- Finish: bright chrome

**E88ACS**
- Material: steel
- Finish: satin chrome

**E88A · E88AB · E88AC · E88ACS**
**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Voltage</td>
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<tr>
<td>Frequency</td>
<td>50 / 60 Hz</td>
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<td>Electrical Isolation</td>
<td>Class I</td>
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<tr>
<td>Total power</td>
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<tr>
<td>Consumption</td>
<td>10 A</td>
</tr>
<tr>
<td>Motor power</td>
<td>250 W</td>
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<tr>
<td>r.p.m.</td>
<td>5,500</td>
</tr>
<tr>
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<tr>
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</tr>
<tr>
<td>Cover thickness</td>
<td>1.5 mm</td>
</tr>
<tr>
<td>Drying time</td>
<td>29 sec</td>
</tr>
<tr>
<td>Air velocity</td>
<td>100 km/h</td>
</tr>
<tr>
<td>Air temperature (10 cm distance / 21°C)</td>
<td>50°C</td>
</tr>
<tr>
<td>Sound pressure (at 2m)</td>
<td>68 dB(A)</td>
</tr>
<tr>
<td>Protection rating</td>
<td>IP23</td>
</tr>
</tbody>
</table>
COMPONENTS AND MATERIALS

- Weld-free cover fixed to the base with two vandal-proof lock screws and a special saniflow® key
- 3 mm thick aluminium base
- Fire resistant plastic fan scroll
- Class F universal brush motor incorporating a safety thermal cut-off

- Aluminium centrifugal double symmetrical inlet fan wheel
- The heating element includes a safety thermal cut-off
- 360° revolving nozzle in chrome-plated zamak
- Electronic infrared detection sensor
- Adjustable detection distance 15-25 cm

E05A · E05AB · E05AC · E05ACS TECHNICAL SPECIFICATIONS

Voltage: 220 - 240 V
Frequency: 50 / 60 Hz
Electrical Isolation: Class I
Total power: 2,250 W
Consumption: 10 A
Motor power: 250 W
r.p.m.: 5,500
Heating element power: 2,000 W
Weight: 4.65 Kg
Cover thickness: 1.5 mm
Drying time: 29 sec
Air velocity: 100 Km/h
Air temperature (10 cm distance / 21°C): 50°C
Sound pressure (at 2m): 68 dBa
Protection rating: IP23
**KT0005 · KT0005C · KT0005CS**

**COMPONENTS AND MATERIALS**

- Electro-zinced iron cabinet for mounting the saniflow® dryer on the wall
- Grey rubber seal provides reinforced external protection that minimises vibrations and noise
- Nuts and bolts for assembling the dryer and fitting the frame to the wall are included

**KT0005**
- Steel frame

**KT0005C · KT0005CS**
- AISI 304 stainless steel frame

**KT0005C**
- Material: AISI 304 stainless steel
- Finish: bright

**KT0005CS**
- Material: AISI 304 stainless steel
- Finish: satin

**KT0005 · KT0005C · KT0005CS**

**TECHNICAL SPECIFICATIONS**

The hand dryer and wall mounting kit protrude 90 mm horizontally in compliance with the American ADA standards that restrict the horizontal projection of devices installed in public washrooms to 100 mm.
MEDIFLOW
Intelligent, quiet and modern

- Powerful, robust and reliable hand dryer
- One of the quietest machines in its category (only 65 dBA)
- The heating element and the motor have built-in safety thermal cut-off
- “Logic Dry” intelligent system that adapts the outlet air flow temperature to the ambient temperature (M02 models)
- Automatic operation which prevents having to touch the machine
- Adjustable hand detection distance using a potentiometer
- Easy cleaning and maintenance
HAND DRYERS
mediflow intelligent
sensor operated

COMPONENTS AND MATERIALS

- The cover is fixed to the base with two screws
- Base and fan scroll fire resistant plastic. Includes silent-blocks to prevent mechanical vibrations
- Class F universal brush motor incorporating a safety thermal cut-off
- Aluminium centrifugal double asymmetrical inlet fan wheel
- Heating element incorporates a safety thermal cut-off
- Selective detection of fixed targets and system of automatic disconnection after 120 seconds of continuous use
- Electronic infrared detection sensor
- Adjustable detection distance by potentiometer 5 - 25 cm
- The technology automatically regulates the temperature of the air output between four possible levels, depending on the room temperature, managing electricity consumption to offer significant energy savings

M02A · M02AB · M02AC · M02ACS

<table>
<thead>
<tr>
<th>Material</th>
<th>Finish</th>
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</thead>
<tbody>
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<tr>
<td></td>
<td>white epoxy</td>
</tr>
<tr>
<td>M02AB</td>
<td>steel</td>
</tr>
<tr>
<td></td>
<td>matte black epoxy</td>
</tr>
<tr>
<td>M02AC</td>
<td>AISI 304 stainless steel</td>
</tr>
<tr>
<td></td>
<td>bright</td>
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<tr>
<td>M02ACS</td>
<td>AISI 304 stainless steel</td>
</tr>
<tr>
<td></td>
<td>satin</td>
</tr>
</tbody>
</table>

TECHNICAL SPECIFICATIONS

- Voltage: 220 - 240 V
- Frequency: 50 / 60 Hz
- Electrical Isolation: Class II
- Total power: 250 - 2,750 W
- Consumption: 1.2 - 12 A
- Motor power: 250 W
- r.p.m.: 4,500
- Heating element power: 0 - 2,500 W
- Weight: 4.25 kg
- Cover thickness: 1.5 mm
- Drying time: 29 sec
- Air velocity: 95 km/h
- Air temperature (10 cm distance / 21°C): 50°C
- Sound pressure (at 2m): 65 dBA
- Protection rating: IP23

Dimensions:
- Length: 164 mm
- Width: 275 mm
- Height: 325 mm
• The cover is fixed to the base with two screws
• Base and fan scroll in fire resistant plastic. Includes silent-blocks to cushion mechanical vibrations
• Class F universal brush motor incorporating a safety thermal cut-off
• Aluminium centrifugal double asymmetrical inlet fan wheel
• Heating element incorporating an safety thermal cut-off
• Electronic infrared detection sensor
• Adjustable detection distance by potentiometer 5 - 25 cm

**COMPONENTS AND MATERIALS**

**M03A · M03AB · M03AC · M03ACS**

- **M03A**
  - Material: steel
  - Finish: white epoxy

- **M03AB**
  - Material: steel
  - Finish: matte black epoxy

- **M03AC**
  - Material: AISI 304 stainless steel
  - Finish: bright

- **M03ACS**
  - Material: AISI 304 stainless steel
  - Finish: satin

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>220 - 240 V</td>
</tr>
<tr>
<td>Frequency</td>
<td>50 / 60 Hz</td>
</tr>
<tr>
<td>Electrical Isolation</td>
<td>Class II</td>
</tr>
<tr>
<td>Total power</td>
<td>2,750 W</td>
</tr>
<tr>
<td>Consumption</td>
<td>12 A</td>
</tr>
<tr>
<td>Motor power</td>
<td>250 W</td>
</tr>
<tr>
<td>r.p.m.</td>
<td>4,500</td>
</tr>
<tr>
<td>Heating element power</td>
<td>2,500 W</td>
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<tr>
<td>Weight</td>
<td>4.25 kg</td>
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<tr>
<td>Cover thickness</td>
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<tr>
<td>Drying time</td>
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<tr>
<td>Air velocity</td>
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<tr>
<td>Air temperature (10 cm distance / 21°C)</td>
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<tr>
<td>Sound pressure (at 2m)</td>
<td>65 dBA</td>
</tr>
<tr>
<td>Protection rating</td>
<td>IP23</td>
</tr>
</tbody>
</table>

Dimensions:

- M03A: 164 mm x 325 mm
- M03AB: 164 mm x 325 mm
- M03AC: 164 mm x 325 mm
- M03ACS: 164 mm x 325 mm
The hand dryer and wall mounting kit protrude 90 mm horizontally in compliance with the American ADA standards that restrict the horizontal projection of devices installed in public washrooms to 100 mm.
LOW / MEDIUM TRAFFIC RANGE

HAND DRYERS with an elegant design and a great quality-price ratio.

This range of hand dryers is made up of three families of machine: Optima®, JuniorPlus® and Smartflow®, ideal for locating in areas with low or medium traffic, for example, restaurants, bars, offices, etc.

Due to their low noise level during operation, these hand dryers are also ideal for installation in places where quiet is important, such as museums, libraries, cinemas, theatres, etc. The main advantages of these hand dryers are:

- Very low noise level, making it the best option for toilet environments with low or medium traffic, where they are required to be as quiet as possible.
- Zero maintenance thanks to their brushless motors (Optima® and JuniorPlus®). Easy to clean.
- Adjustable detection distance, in all the automatic models of the range, in order to obtain the optimal hand detection distance depending on the available light.
- Built-in safety systems, such as thermal cut-off in the motors and in the heating elements and automatic cut-out system that prevent accidents such as fire, electrocution, trapping, etc.
- Quality, robustness and reliability thanks to the use of top quality components manufactured in accordance with the strictest quality standards.
OPTIMA
A modern design for a reliable, quiet hand dryer with excellent performance.

- Zero maintenance thanks to its brushless motor. Easy to clean
- Hygienic thanks to its automatic operation that prevents having to touch the machine
- Adjustable hand detection distance
- One of the quietest machines in its category (only 57 dBA)
- The heating element and the motor have built-in safety thermal cut-off
- An ideal balance between performance and price
M99A · M99AC · M99ACS  COMPONENTS AND MATERIALS

- Weld-free cover fixed to the base with 4 Allen bolts
- Base in ABS thermoplastic
- Thermoplastic fan wheel
- Class F induction motor incorporating a safety thermal cut-off
- PP UL 94-V0 centrifugal single inlet fan wheel
- Heating element incorporating a safety thermal cut-off
- Electronic infrared detection sensor
- Adjustable detection distance 5-25 cm
- Zamak air outlet grill

M99A · M99AC · M99ACS  TECHNICAL SPECIFICATIONS

- **Voltage**: 220 - 240 V
- **Frequency**: 50 / 60 Hz
- **Electrical Isolation**: Class II
- **Total power**: 1,640 W
- **Consumption**: 7 A
- **Motor power**: 140 W
- **r.p.m.**: 2,800
- **Heating element power**: 1,500 W
- **Weight**: 4.45 Kg
- **Cover thickness**: 1.5 mm
- **Drying time**: 38 sec
- **Air velocity**: 50 Km/h
- **Air temperature (10 cm distance / 21°C)**: 57°C
- **Sound pressure (at 2m)**: 57 dBA
- **Protection rating**: IP21
JUNIORPLUS

Hand dryer with the cover manufactured in high impact ABS, with a very attractive quality-price ratio.

- Zero maintenance thanks to its brushless motor. Easy to clean
- Manual or automatic operating options
- Adjustable hand detection distance (M88APLUS)
- Quiet (only 57 dBA)
- Elegantly designed cover, manufactured in high impact ABS
- The heating element and the motor have built-in safety thermal cut-off
- Very attractive quality-price ratio
M88PLUS · M88APLUS
COMPONENTS AND MATERIALS

• One-piece cover fixed to the base by four screws
• Base in ABS thermoplastic
• Thermoplastic fan wheel
• PP UL 94-V0 centrifugal single inlet fan wheel
• Class F induction motor incorporating a safety thermal cut-off
• Heating element incorporating a safety thermal cut-off

• Zamak air outlet grill

M88APLUS
• Electronic infrared detection sensor
• Adjustable detection distance 5 - 25 cm

M88PLUS
• The button activates an electronic timer with a cycle of 45 seconds

M88PLUS · M88APLUS
TECHNICAL SPECIFICATIONS

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<th>Parameter</th>
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<tr>
<td>Voltage</td>
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<td>Frequency</td>
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SMARTFLOW
Compact hand dryer, strong and at a very competitive price.

- Easy cleaning and maintenance
- Hygienic thanks to its automatic operation that prevents contact with the machine
- The heating element and the motor have built-in safety thermal cut-off
- Adjustable hand detection distance
- Quiet (67 dBA)
- Elegantly designed cover, manufactured in high impact ABS
- Economical
M04A · M04AC · M04ACS  COMPONENTS AND MATERIALS

- One-piece cover in ABS thermoplastic. Fixed to the base by two screws
- Thermoplastic base
- Class B brush motor incorporating a safety thermal cut-off
- Helicoidal fan wheel
- Heating element incorporates a safety thermal cut-off
- Electronic infrared detection sensor
- Adjustable detection distance 5 - 25 cm

M04A · M04AC · M04ACS  TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
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<td>Frequency</td>
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<td>Electrical Isolation</td>
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Material: ABS
Finish: white

Material: ABS
Finish: bright grey

Material: ABS
Finish: satin grey
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<td>Measurements</td>
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<td>Power consumption</td>
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<td>Detection</td>
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<td>Wire</td>
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## Traditional Hand Dryers

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<th>Mediflow</th>
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### HEAVY DUTY MODERN

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<th><strong>HIGH - TRAFFIC</strong></th>
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<tr>
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<td>20-30 °</td>
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<tr>
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</tr>
<tr>
<td>220-240V 50/60Hz</td>
<td>220-240V 50/60Hz</td>
</tr>
<tr>
<td>Class I</td>
<td>Class II</td>
</tr>
<tr>
<td>245x276x214 mm</td>
<td>325x275x164 mm</td>
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<tr>
<td>240x276x212 mm</td>
<td>255x282x215 mm</td>
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<tr>
<td>4.65 / 5.9 / 11.5 Kg</td>
<td>4.25 Kg</td>
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<tr>
<td>2.250 W</td>
<td>250-2.750 W</td>
</tr>
<tr>
<td>10 A</td>
<td>1.1-12 A</td>
</tr>
<tr>
<td>Autom / Push - button</td>
<td>Autom / Push - button</td>
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### Specifications

1. Stainless steel
2. Steel
3. Cast iron
1. Bright / Satin
2. White / Black epoxy
3. White enamelled
4. Bright / Satin / Gold plated

1. Stainless steel
2. Steel ABS
3. Cast iron
1. Bright / Satin
2. White epoxy
3. White / Bright / Satin

1.5 / 6 mm
3 mm
PA 6 V0
3 mm

- Universal brush motor
- F
- 250 W
- 5,500 rpm
- 1st set 1,500h/200,000 serv
- 2nd set 1,500h/200,000 serv (cycle=29°)
- Safety thermal cut-off auto-reset

- Double inlet, centrifugal, asymmetrical
- Aluminium

- 253 m³/h (4,248 L/m)
- 100 Km/h
- 2,000 W
- Ni-Crom
- Cr-Al-Fe Banda
- Safety thermal cut-off auto-reset

- 49°C
- 70dBA
- IP23
- E05, E08: 36°
- E05A= 60°
- E88A: ---
- w / recessed kit

### Low Medium Traffic Range

<table>
<thead>
<tr>
<th>Optima</th>
<th>Juniorplus</th>
<th>Smartflow</th>
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<td><img src="image3" alt="Optima Image" /></td>
<td><img src="image4" alt="Juniorplus Image" /></td>
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### Specifications

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<td><strong>MEDIUM TRAFFIC</strong></td>
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<td>7 A</td>
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<td>Automatic</td>
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</table>

### Specifications

1. Stainless steel
2. Steel ABS
3. Cast iron
1. Bright / Satin
2. White epoxy
3. White / Bright / Satin

1.5 mm
3 mm
PA 6 V0
3 mm

- Universal brush motor
- F
- 250 W
- 4,500 rpm
- 1st set 1,500h/200,000 serv
- 2nd set 1,500h/200,000 serv (cycle=29°)
- Safety thermal cut-off auto-reset

- Single inlet, centrifugal
- PP V0 |

- 215 m³/h (3,590 L/m)
- 50 Km/h
- 1,500 W
- Ni-Crom 40
- Safety thermal cut-off auto-reset

- 57°C
- 57dBA
- IP21
- 60°
- w / recessed kit

<table>
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<th><strong>HEAVY DUTY MODERN</strong></th>
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### Specifications

1. Stainless steel
2. Steel ABS
3. Cast iron
1. Bright / Satin
2. White epoxy
3. White / Bright / Satin

1.5 mm
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PA 6 V0
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- 250 W
- 4,500 rpm
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- 60°
- w / recessed kit
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