

 i01  
with Wave® Technology



Introducing the  
**Wave®i01** hands-in dryer.  
Obsessively engineered  
with hygiene in mind.

Manufactured using renewable energy  
generated by solar panels, we are leading  
the way in sustainable hand drying.

Built with  
Mitsubishi Electric's  
unique Wave®  
Nozzle  
Technology

  
**Ultra quiet**  
56dB\*

 **MITSUBISHI  
ELECTRIC**

*Jet Towel*



Pioneering  
space technology  
development since  
the 1960s.

**Mitsubishi Electric** has  
a remarkable history of  
innovation that has changed  
the way we live.

Since its founding in 1921, Mitsubishi Electric has improved the lives of millions on the planet. Developing products driven by a philosophy of unrelenting improvement and technical ingenuity.

From in the home to outer space, our pioneering technological advancements are making waves. The Mitsubishi Electric brand carries with it a reputation of exceptional performance and reliability – delivering **Changes for the Better**.



### State of the art self-cleaning coatings.

A project that began over 15 years  
ago continues to generate world-leading  
solutions for self-clean surfaces.

### Pioneering robotic technology.

Mitsubishi Electric has  
been at the forefront of  
developments in industrial  
automation including robotic  
technology for 40 years.

### A giant leap for space exploration.

Mitsubishi Electric has been  
a pioneer of space technology  
development in Japan since the  
1960s, and is strongly committed  
to international space development  
and satellite construction.

### Reaching new heights.

A major name in elevators  
and escalators since the  
1930s, Mitsubishi Electric has  
built a reputation for creating  
breakthroughs that make getting  
around more comfortable, safe,  
and even inspiring.

### A breath of fresh air.

Mitsubishi Electric air conditioning  
solutions are renowned for their  
versatility, performance, reliability and  
ability to deliver clean, filtered air.

### Extra warm feeling.

Thousands of UK households  
are already benefiting from  
reliable, renewable heating from  
Mitsubishi Electric's Ecodan air  
source heat pumps.



## State-of-the-art engineering

Low energy, fast drying and ultra-quiet performance.  
Our engineers have been obsessing over hand drying technology for 30 years.



### Fast drying

High speed drying with times from 9 seconds\*



**Anti-Bac casing**  
Seamless wipe clean  
Anti-Bac casing



**Superb air control**  
ensures excess water  
is not blown back  
onto user



**Wide drying area**  
for ease of accessibility  
and improved hygiene



**Ultra low energy**  
550w\*\* using  
Ultra Brushless  
Digital Motor

# Prioritising air volume over air velocity; introducing Wave® Technology

Testing has proven that airflow control is critical for fast, hygienic and safe hand drying. The volume of air passing over the hands is far more important than air velocity.



Less air turbulence  
improves noise  
reduction



SafeAirFlow  
no risk of water intake  
into the unit

Mitsubishi Electric has long understood that focussing only on air speed to improve performance is not the most efficient solution. Instead, **Wave®i01** has evolved through extensive scientific research.

Excessive air velocity can lead to hand dryers becoming very noisy, whilst the narrow sheet of air reduces air coverage over the hands, which can also result in excess water and contaminated air from the hands being blown back over both the user and bystanders.

Mitsubishi Electric's patented **Wave® Technology** has been **developed to optimise the volume of air** passing over the hands whilst reducing air noise, which is critical in reducing drying time and for quiet operation.


A combination of **smarter nozzle designs**, **improved air flow control** and our **advanced motor technologies** create the perfect balance between air speed and air volume to achieve **reduced power consumption** and running costs, whilst delivering **improved drying times**, energy-efficiency and **sound reduction**.

Unlike many other manufacturers, the **Wave®i01** air intake is located separately from the output nozzles to reduce the risk of water intake. Additionally both our **Wave®** and **SafeAirFlow** air output nozzles are designed to blow air away from the user and collected in the unit, whilst used air is drawn through the **Anti-Bac** and **ViraGuard®** filters, to trap and kill bacteria, resulting in only clean, filtered air passed over the hands.

Turn to  
page 24  
for details

Wave®u02





Hands  
under

Wave®i01



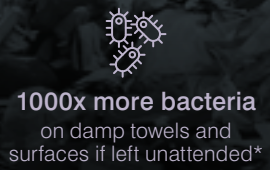


# Paper towels

Paper towel dispensers have long been in use, however they are costly, high maintenance and require continual waste management in order to prevent a build-up of bacteria.

Studies have shown that **bacteria can multiply up to 1000 times on damp towels** and surfaces if left unattended\*. The use of paper towels poses a number of other issues, including the **risk of blockages** when not correctly disposed of as well as the reality that they can easily run out if stock levels are not maintained. This makes them not only a **more labour intensive** option but considerably **less hygienic** if users are unable to dry their hands.

The continued use of paper towels is also of great environmental concern. It is estimated that globally, paper towels result in **254 million tons of landfill every year** and that 17 trees are chopped down for every ton of paper towels made. In this way, the overall carbon emissions produced throughout the lifecycle of a paper towel has a **devastating impact on our environment**.



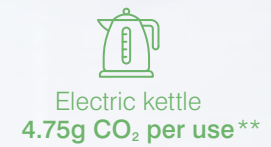
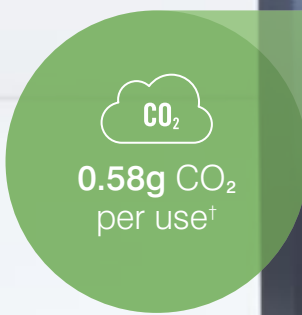
\*Residual moisture determines the level of touch-contact-associated bacterial transfer following hand washing, D R Patrick 1, G Findon, T E Miller.  
#Based on 2 paper towels used per dry, 500 dries, 365 days a year.

# Wave<sup>®</sup>i01

In contrast, the **Wave<sup>®</sup>i01** can reduce running costs by up to 97%, require minimum maintenance and produce zero waste.

The **Wave<sup>®</sup>i01** is the hand hygiene solution for the modern world. It's simple; switching to the **Wave<sup>®</sup>i01** is a move to further **protect the environment for future generations**.

The **Wave<sup>®</sup>i01** does not create any waste, eliminating the trouble of waste disposal and conserving forest resources at the same time. Switching to a **Wave<sup>®</sup>i01** **sends a positive message** to the user about a facility's attitude towards the environment.



<sup>†</sup>Based on 500 dries, 365 days a year. Electricity cost of 14p per kwh (correct as of Mar 2022) figures based on Wave unheated models.  
<sup>\*\*</sup>Source: [www.carbonfootprint.com](http://www.carbonfootprint.com)





**Anti-Bac casing**  
Maximum antibacterial  
protection



**NoTouch design**  
Dual infrared sensors  
for automatic  
activation



**Seamless moulding**  
for safer hygiene  
control

## Total hygiene performance

By adopting a zero-tolerance approach to bacteria in the hand drying process, the Mitsubishi Electric Wave® range is much more than just a series of hand dryers; it is a complete Hygiene System.

Everything about the **Wave®** range has been designed, developed and tested for **optimum performance at every level** in order to deliver the very best user experience possible.

Through a combination of **attention to detail** and continual innovation and development, we have created a product that is a trailblazer within the hand dryer industry.

Every aspect of the **Wave®** exceeds expectations; from the seamlessly moulded **Anti-Bac** casing on the outside, to the smart **NoTouch** activation sensors, **SafeAirFlow Wave® Nozzle Technology** and excess water system, **Anti-Bac** and **ViraGuard® filters**, noise reducing aerodynamic air flow chambers and the **Ultra Brushless Digital Motor** on the inside.

Only **Wave®** hand dryers feature **Wave® Technology**, setting the gold standard in hand drying hygiene.

NSF International, an independent third-party public safety health and standards organization, has certified Wave® hand dryers to be compliant to its rigorous requirements (NSF/ANSI 169).



### NoTouch design

The **Wave®i01** is activated automatically when hands are fully inserted and pass through dual infrared sensors in the spacious drying area. As there is no need for the user to touch a start button, which may hold residual bacteria, there is a reduction in the amount of bacteria transferred to the hands.

### Anti-Bac casing

The entire Mitsubishi Electric **Wave®** range has our **Anti-Bac** technology built into the casing, which is proven to curb the growth of bacteria. The secret is in the manufacturing process, where **antibacterial silver ions are added to the resin** as an integral part of the casing. This is unlike other leading brands whose antibacterial protection is only a surface coating which can be easily scratched or damaged during routine cleaning, compromising the protection and allowing bacteria to grow.

### Anti-Bac seamless moulding

In addition to the Anti-Bac casing, Mitsubishi Electric has developed **seamless moulding** for all areas of the casing that come into contact with water collected during the drying process. Seamless moulding **removes any hiding places for bacteria**, meaning it can't collect and colonize, resulting in **safer hygiene control**.





**Excess Water Duct**  
channels excess water  
away from user



**Alcohol cleaner**  
compatible casing  
materials



**Excess Water Pod**  
Only requires emptying  
approximately every  
800 uses

## A perfect balance of form and function

Looks matter, but it's what's on the inside that really counts. At Mitsubishi Electric, our priority is to create products that combine function, efficiency and reliability with a high quality aesthetic finish.

### Excess Water System

We take the removal and containment of water blown from hands very seriously as it's this excess water that is the most likely carrier of any pathogens and remaining bacteria.

Many other dryers allow the excess water to pool in the dryer or to be blown back onto the user and nearby bystanders.

The **Wave<sup>®</sup>i01** has an integrated **Excess Water System** that starts with **the seamless Anti-Bac casing** that eliminates bacteria and prevents it from colonising. Excess water blown from the hands is channelled away through the in-built **Excess Water Duct** and into the enclosed **Excess Water Pod**.

The whole Excess Water System is designed to be an easy to access, no tools required, wipe-clean solution.

### Excess Water Duct

The **Wave<sup>®</sup>i01** has an **integrated water duct system** as part of its Excess Water System. Water is blown from the hands away from the user and is quickly and effectively channelled away from the drying areas via the seamless, easy access wipe-clean duct and filtered into the enclosed Excess Water Pod. This **prevents stagnant water from pooling on the base of the dryer** or evaporating and causing contamination.

### Excess Water Pod

The water blown from the hands and channelled into the water duct is collected in an enclosed Excess Water Pod, ensuring that all drying areas are clear of any pooled or contaminated water. The Excess Water Pod is **easily accessed for emptying** as part of the routine cleaning process, resulting in **improved hygiene management**.

### Alcohol cleaner compatible

Unlike most hand dryers the **Wave<sup>®</sup>** range uses high-grade resin plastics that can be **safely cleaned with alcohol cleaners\*** without resulting in cracking and damage.





#### SafeAirFlow

No risk of water intake into the unit



**ViraGuard® Filter**  
captures and kills bacteria



**Anti-Bac Filter**  
Only clean air passes over the user's hands

## Packed full of innovative features

Although there have been many imitators of our technology, none have equalled the all-round performance of the Mitsubishi Electric Wave®i01.

It is important that only clean, filtered air is blown over the users' hands and any excess air or **water is not blown back onto the user** or nearby bystanders as this can cause contamination.

Unlike many other manufacturers, the **Wave®i01** air intake is located separately from the output nozzles to reduce the risk of water intake. Additionally both our **Wave®** and **SafeAirFlow** air output nozzles are designed to blow air away from the user, whilst used air is drawn through the **Anti-Bac** and **ViraGuard® filters, to trap and kill bacteria**, resulting in only clean, filtered air passed over the hands.

#### ViraGuard® and Anti-Bac Filters

In addition to our standard **Anti-Bac filters** our **ViraGuard® Filters** not only capture pollutants and bacteria; they curb and kill its growth.

Extensive testing has shown that the use of silver ion technology **actively kills and suppresses bacteria**, as certified by NSF, a leading independent Hygiene Institute.\*

In addition, our **ViraGuard® Filters** don't increase power consumption, noise or affect the dryer's performance. Not only that, they are **easy to replace**, requiring no tools, complicated disassembly or trained engineers.



# Quieter than a conversation

Mitsubishi Electric's high-precision Ultra Brushless Digital Motors have been developed to optimise performance, energy-efficiency, noise reduction and reliability.

The Ultra Brushless Digital Motor range of eco efficient motors are so robust that they have been **proven to be up to twice as reliable** as other leading brands' brushless motors, with an estimated life of over 7 years\* and **zero maintenance**.

The Wave<sup>®</sup>i01 is setting new standards in quiet-zone hand drying. Through a combination of aerodynamic air chambers, our Ultra range of motors, air volume control and patented Wave<sup>®</sup> Nozzle Technology, the Wave<sup>®</sup>i01 suppresses sound to less than the average conversation, **just 56dB**<sup>#</sup>. This makes the Wave<sup>®</sup>i01 range the quietest, most efficient high speed hand dryer available and **the obvious choice for quiet-zone installations** such as libraries, concert halls, offices and public spaces.




Average conversation  
(60dB)



Average hand dryer  
(70-95dB)



Household refrigerator  
(55dB)

  
Exceptionally  
quiet (56dB)



\*Based on 400 uses per day. \*Standard mode.





#### Temperature and current fuses

multiple fuses protect from over-current and over-heating



#### Metal enclosure

circuit boards covered by protective metal enclosure



#### Tough exterior

made from steel and ABS plastic



#### Fire resistant parts

internal parts made from flame-resistant materials



#### Ultra Brushless Digital Motor

manufactured to strict specifications

## Strong. Reliable. Safe.

Mitsubishi Electric delivers unequalled reliability. Every component and process are stress tested in our laboratories to not only meet but exceed ISO and Japanese industrial standards.



Average **9 year** lifespan



**6 year** guarantee

#### Build strength

Built to withstand years of service and hundreds of uses day after day, our **Wave**® hand dryers have been proven to **exceed the lifespan of other leading brands' products by up to 100%**. This means that your **Wave**® dryer won't only deliver the quickest, quietest, most energy efficient hygiene standards; it will also be the most reliable.

Providing personal hygiene in public places can place demands on facilities that go way beyond normal wear and tear. Robust front and back panels make the **Wave**®i01 impact-resistant, so they continue to provide safe and efficient drying even in the most challenging installation environments.

The **protective steel outer shell** and ABS plastic body have been tested to withstand 15J, which is more than twice the energy of an average impact.\* The IPX-4 rating for water resistance means that the **Wave**®i01 is also protected against water infiltration.

#### Easy air filter maintenance

The air filter **prevents excess dust and dirt** from accumulating inside the unit. The filter is placed conveniently against the side of the intake grill, allowing for **quick cleaning without disassembly**.

#### Guarantees

Whereas many other leading brands offer either parts or labour for the first year, every **Wave**®i01 hand dryer comes with a full **6-year parts and labour guarantee\*\***. That's because we have **complete confidence** in the reliability and durability of our products.



Built with  
Mitsubishi Electric's  
unique Wave®  
Technology



Also available from Mitsubishi Electric

Introducing the  
**Wave®u02** hands-under dryer.  
**Obsessively engineered  
with hygiene in mind.**

For further details request your copy  
of the Wave®u02 brochure.





# Wave®i01

## hands-in dryer

The market leader of hands-in dryers for its ability to combine low energy, fast drying and ultra quiet performance.



JT-SB216JSH2-W

JT-SB216KSN2-W (Unheated)  
White

JT-SB216JSH2-S

Silver

JT-SB216JSH2-B

Black

Mode	Heater	Drying time (sec)	Power consumption (W)	Noise (dB)	Model		Power supply	Motor type	Hygienic features	External dimensions (mm)	Weight (kg)	Water Pod (L)						
High	ON	9	1240	59	JT-SB216JSH2		220-240V 50-60Hz	Ultra Brushless DC	Antibacterial surfaces NSF certification Alcohol cleanable	Width: 300 Depth: 219 Height: 670	11	0.8						
	OFF	11	720		JT-SB216KSN2	JT-SB216JSH2												
Standard	ON	11	1070	56	JT-SB216JSH2													
	OFF	12	550		JT-SB216KSN2	JT-SB216JSH2												

To download user and install manuals visit: [www.wave.mitsubishielectric.co.uk/wave-i01/](http://www.wave.mitsubishielectric.co.uk/wave-i01/)

Recommended install height (fixing bracket):

**Men: 925mm**

**Women: 905mm**

# Wave®u02

## hands-under dryer

A compact and powerful hands under dryer with one of the lowest energy consumptions available\*.



JT-S2A

White

JT-S2AP

Silver

Mode	Heater	Drying time (sec)	Power consumption (W)	Noise (dB)	Model	Power supply	Motor type	Hygienic features	External dimensions (mm)	Weight (kg)						
High	ON	8	980	62	JT-S2AP (Metal cover)	240V 50Hz	Commutator motor	Antibacterial surfaces NSF certification Alcohol cleanable	Width: 250 Depth: 160 Height: 290	4.5						
	OFF	9	730													
Standard	ON	13	740	59												
	OFF	14	490													

To download user and install manuals visit: [www.wave.mitsubishielectric.co.uk/wave-u02/](http://www.wave.mitsubishielectric.co.uk/wave-u02/)

Recommended install height (fixing bracket):

**Men: 1355mm**

**Women: 1255mm**

\*In Eco mode.





## 3.69 million tonnes of CO<sub>2</sub> reduction

Mitsubishi Electric global production figures for annual reduction of greenhouse gases (CO<sub>2</sub> conversion) emissions achieved over 3 years during The 9th Environmental Plan 2019-2021.

## Mitsubishi Electric: creating a society in tune with nature

We're taking definitive action today to create a greener world tomorrow. By applying our wide-ranging and advanced technologies and the ongoing efforts of our employees around the world, we're working toward the creation of a decarbonized society.

We place our responsibilities as a good corporate citizen at the core of our corporate management. As we contribute to the creation of a prosperous, comfortable, and sustainable society, we're focusing on ethics and compliance, quality, environmental protection, philanthropy, and improved communication.

Corporations are expected to make long term sustained efforts to solve global environmental issues. The Mitsubishi Electric group Environmental Vision 2050 defines environmental protection as a priority and stipulates increased initiatives towards this end. It establishes Mitsubishi Electric's future course to 2050 in achieving Net Zero emissions supported by Science Based targets.



“Since 2016 we have sold over five and a half thousand Mitsubishi Electric hand dryers with only one reported fault, which was resolved within 24 hours. Not only that, I continue to be impressed with the exceptionally long life span that give our customers incredible value. In my opinion, you won't find a better hand dryer, they simply don't exist.”

**Distributor testimonial**



The **Wave**<sup>®</sup>i01 hands-in dryer.  
**Contact us today** to find out how  
we can help your facility save money  
and become more energy efficient.

☎ 01707 288780

✉ [jettowel@meuk.mee.com](mailto:jettowel@meuk.mee.com)

[www.wave.mitsubishielectric.co.uk](http://www.wave.mitsubishielectric.co.uk)



The **Wave**® hand dryer range.  
**Hygienic. Sustainable. Economic.**  
**Fast. Quiet. Responsive.**  
Our most technologically advanced,  
efficient and hygienic solution for  
hand drying to date.

Setting the gold standard in hand  
dryer technology since 1993.



"Wave" is a trademark of the Mitsubishi Electric Corporation.  
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