

Introducing the JetTowel 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<sup>®</sup> Nozzle Technology

Jet Towel

Ultra quiet 56dB\*

MITSUBISHI ELECTRIC



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 unremitting 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.

Mitsubishi Electric

## 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.

## 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.



## Pioneering robotic technology.

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

### 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.





Ultra low energy

Superb air control

Jet Towel

MITSUBISHI ELECTRIC

> 550w\*\* using Ultra Brushless Digital Motor

Wide drying area for ease of accessibility and improved hygiene

## 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.

 $\bigcirc$ 

Less air turbulence improves noise reduction **Mitsubishi Electric** has long understood that focussing only on air speed to improve performance is not the most efficient solution. Instead, **Wave**<sup>®</sup>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**<sup>®</sup> **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.



unnunn nanna

SafeAirFlow no risk of water intake

Wave<sup>®</sup>i01

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**<sup>®</sup>i01 air intake is located separately from the output nozzles to reduce the risk of water intake. Additionally both our **Wave**<sup>®</sup> 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**<sup>®</sup> filters, to trap and kill bacteria, resulting in only clean, filtered air passed over the hands.





### 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.



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

The Wave®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.



Costs £1,825 per year#



 $\langle \langle \gamma \rangle$ 17 trees cut down for every ton of paper towels made

1000x more bacteria on damp towels and

surfaces if left unattended\*



Washing machine 27.3g CO<sub>2</sub> per use\*\*

CO<sub>2</sub>

0.58g CO<sub>2</sub> per use<sup>†</sup>

Electric kettle

†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. \*Source: www.carbonfootprint.cor

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®i01 sends a positive message to the user about a facility's attitude towards the environment.





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

Only **Wave**<sup>®</sup> hand dryers feature **Wave**<sup>®</sup> **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 rigourous requirements (NSF/ANSI 169).



#### **NoTouch design**

The **Wave**<sup>®</sup>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**<sup>®</sup> 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

# A perfect balance of form and function

POWER

HEATER

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®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**<sup>\*</sup> without resulting in cracking and damage.



## 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.

> Anti-Bac Filter

> inly clean air passe ver the user's hand

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**<sup>®</sup>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**<sup>®</sup> 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<sup>®</sup> 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**.

Jet Towe

MERGET



Average hand dryer (70-95dB)



Exceptionally quiet (56dB)



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

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.



**Temperature and** current fuses multiple fuses protect from over-current and over-heating



circuit boards covered by protective metal enclosure



and ABS plastic

## 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.



Fire resistant parts internal parts made from flame-resistant materials

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**<sup>®</sup> dryer won't only deliver the quickest, quietest, most energy efficient hygiene standards; it will also be the most reliable.

#### 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.



Average 9 year lifespan



6 year guarantee

#### **Build strength**

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.

#### 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.

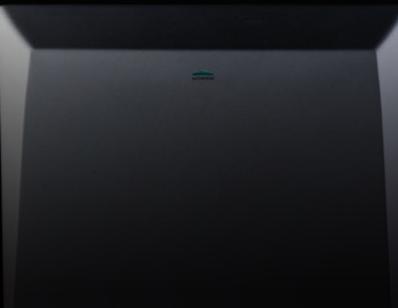
Built with Mitsubishi Electric's unique **Wave**® \_\_\_\_**Technology** 



Also available from Mitsubishi Electric

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

For further details request your copy of the Wave<sup>®</sup>u02 brochure.





## JetTowel 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.



Mode	Heater	time (sec)	consumption (W)	(dB)	Model		supply	type	features	dimensions (mm)	(kg)	Pod (L)
High	ON	9	1240	59	JT-SB2	16JSH2		Ultra Brushless	Antibacterial surfaces NSF	Width: 300 Depth: 219	11	0.8
	OFF	11	720		JT-SB216KSN2	JT-SB216JSH2	220-240V					
Standard	ON	11	1070	56	JT-SB216JSH2		50-60Hz	DC	certification Alcohol	Height: 670		0.0
	OFF	12	550		JT-SB216KSN2	JT-SB216JSH2			cleanable			

To download user and install manuals visit: www.wave.mitsubishielectric.co.uk/wave-i01/

Recommended install height (fixing bracket):

Men: 925mm

Women: 905mm



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



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	JetTowel Smart 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						
Standard	OFF	14	490							

To download user and install manuals visit: www.wave.mitsubishielectric.co.uk/wave-u02/

Recommended install height (fixing bracket): Men: 1355mm Women: 1255mm









# **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 dyers 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** 

## JetTowel Wave®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

www.wave.mitsubishielectric.co.uk









The JetTowel 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.



"JetTowel" and "Wave" are trademarks of the Mitsubishi Electric Corporation. Revised publication, effective February 2022. Superseding publication of S-175-8CA135-A NK1803. Specifications are subject to change without notice. NSF certified models: JT-SB216JSH2, JT-SB216KSN2 and JT-S2A. Printed in the UK on recycled paper.

MITSUBISHI ELECTRIC EUROPE

Mitsubishi Electric Europe BV, Travellers Lane, Hatfield, Hertfordshire AL10 8XB