



**MITSUBISHI
ELECTRIC**

HAND DRYER

Changes for the Better

Mitsubishi
Electric
Quality

Jet Towel

Hand drying in the 21st century



Jet Towel—a Mitsubishi original

Hand drying in the 21st century

A hand is shown being dried by a jet of air from a white hand-drying device. The hand is positioned above the device, and a powerful stream of air is directed at it. The background is a solid blue color.

Jet Towel

Technology for Comfort

A world-first technology, from Mitsubishi.

Dual Jet Drying

Drying speed is proportional to airflow and volume. For even faster drying, our proven Dual Jet engineering is now complemented with a streamlined nozzle design.

* Drying time according to Mitsubishi's measurement.

Slim

Drying time
Approx. **3~5 sec.**

Airflow rate **80m/sec.**
Air volume **3.6m³/min.**

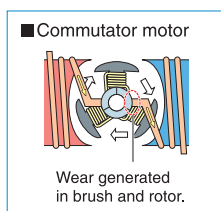
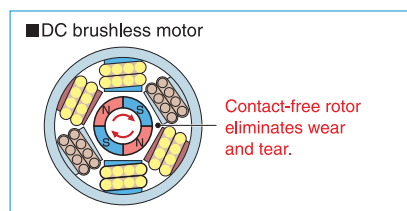
Stable operation, for long service life.

DC brushless motor

Equipped with a DC brushless motor, crafted for seven years of service at 1,000 uses daily. The end of brush-motor wear and tear, paving the way to truly efficient power and stable operation for the long run.

Slim

1,000 uses daily service life
Approx. **7 years**

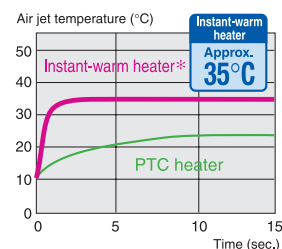


Instant warm air (approx. 35°C).

Heat storage gives instant warm air

The heater stores up heat when the unit is not in use, gusting out that warmth when operated. Inserting the hands instantly triggers a toasty air jet of some 35°C.

■ Comparing air jet temperature startup with PTC heater.



Superbly reliable startup and stop.

Upper and lower sensors

When the hands are fully inside, lower sensor detection starts the airflow. Withdrawing the hands automatically halts operation, in a touch-free design that is superbly hygienic.



The start detection sensor is installed on the bottom of the dryer.

Ergonomic Design

Hands slip in easily from the side too.

Open-side design

The dryer is open on both sides, enabling easy hand access from the side without touching the unit. With hands in, slowly lifting them up and down 2~3 times maximizes drying performance and prevents waterdrops from blowing back up.



Simple to use, in a natural posture.

Easy position

The front hand insertion angle is a convenient 15 degrees, allowing the hands to be eased into the unit in a natural posture.



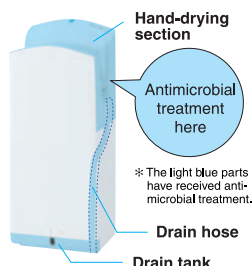
Stays Sparkling Clean

Simple to clean.

Antimicrobial treatment

All parts that contact water receive antimicrobial treatment. Use of alcohol-resistant resin enables alcohol-based cleaning.*

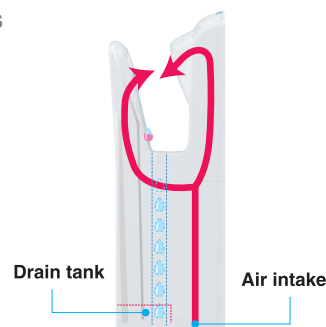
* "Alcohol" refers to disinfectant-use ethanol alcohol (83% strength or less).



Advanced design ensures that the Airflow is always fresh and dry.

Independent air ducts

The air duct is isolated from the waterdrop flow. Inserting the hands triggers a stream of fresh air from the air ducts, drying off with maximum speed and comfort.



High performance and ease to use in a slimline package.
 The Slim Type—built to furnish genuine use comfort and ease.



White (GSN-W)

Slim Type (with heater/without heater)

Model JT-SB216ESH/GSN **220-240V/50•60Hz**

Quick drying
3~5 second
 Airflow rate
 80m/sec.

ESH (with heater)

Quick drying
4~6 second
 Airflow rate
 80m/sec.

GSN (without heater)

Antimicrobial treatment

Designed for alcohol cleaning

(see page 2 for details)

Airflow
 Drain tank Air intake
 Independent air ducts

(see page 2 for details)

Quiet operation
59dB

Instant-warm Heater

ESH (with heater)

DC Brushless Motor

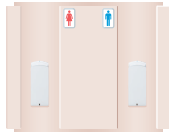
*1: Airflow rate is measured at the nozzle outlet. *2: "Alcohol" refers to disinfectant-use ethanol alcohol (83% strength or less). *3: As of December 1, 2005 *4: Use a specialized branch circuit with 15A rating or above.

New nozzle design combines rapid drying with low noise. This breakthrough realizes high-speed hand drying of 3~6 seconds.

Low Power Consumption (without heater)

Realizing the industry's lowest power consumption

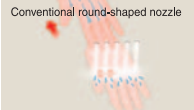
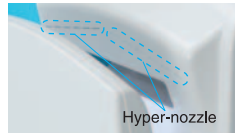
Power consumption is 630W, down 15% from the previous model. Rated current is 7.9A, while the ability to install two units with a 2A specialized branch circuit improves installation efficiency (with JT-SB116GN).



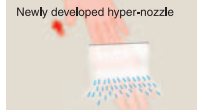
Rapid Drying

Fitted with newly developed hyper-nozzle

New arc-shaped slit nozzles ensure even airflow over both sides of hands for fast efficient and effective drying. The fine-film air jet blows water-drops off the hands in an instant.



Because the air jet hits specific points, some waterdrops cling to the hands (O section).

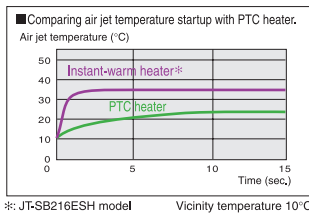


Air jet targets are expanded from individual points to a wider span, eliminating gaps and making it tougher for water to cling.

Instant-Warm Heater (with heater)

Equipped with "instant-warm heater," for immediate 35°C warm airflow

When the unit is not being used, the heater stores up heat for release at operation. With this "instant-warm heater," inserting the hands immediately triggers a flow of warm air at some 35°C in temperature. The result is comfortable, warm air hand drying at each use, for exceptional service during the winter or in cold-weather districts.



Quiet Operation

Low noise by design

The new hyper-nozzle, instilled with the advanced jet stream control technology developed by Mitsubishi Electric (patent pending), resolves the problem of mutual interference noise between air currents. This slashes noise by an impressive 6dB from the previous model.

Equipped with power control volume

Customers can select the optimum operation mode, tailored to specific installation locations.

Mode	Drying time (sec.)	Noise (dB)	
Hyper	Approx. 3-5 (ESH) 4-6 (GSN)	Approx. 59	Fastest drying
Strong	Approx. 5-6 (ESH) 6-8 (GSN)	Approx. 58	Balance between high-speed drying and low noise
Weak	Approx. 10-15 (ESH) 15-20 (GSN)	Approx. 52	

Ergonomic Design

New design fuses spatial compatibility and easy maintenance

An elegant fusion between sharp lines well matched to sanitary space and the easy-to-use round-shaped form. Of special note is the arch-shaped form designed with rounded edges, curbing contact when inserting or withdrawing the hands.



Long Service Life

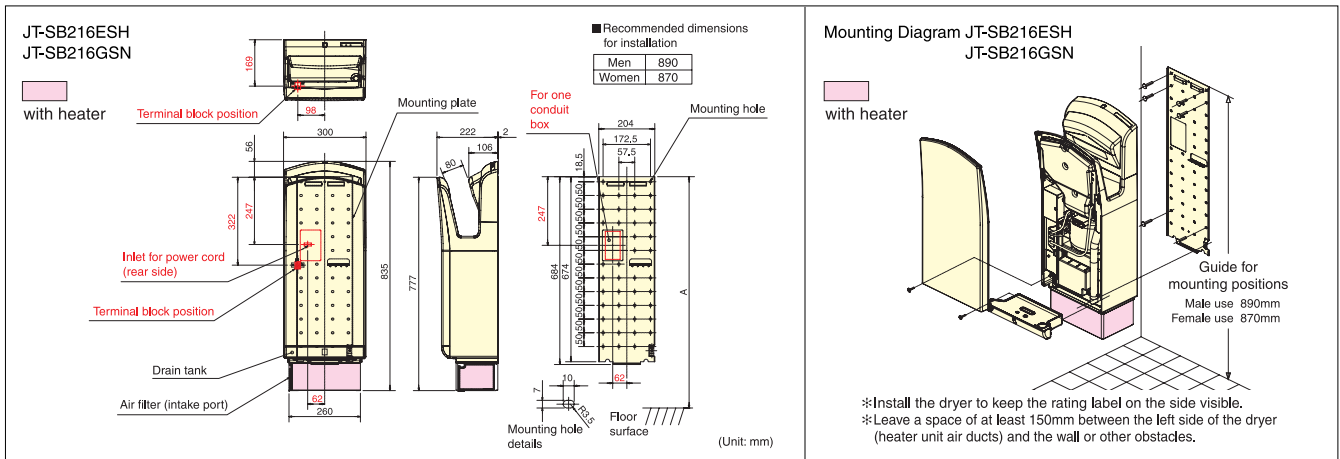
- The hand-drying space features alcohol-resistant resin, enabling alcohol-based cleaning.
- Antimicrobial treatment for the hand-drying space, drain tank and drain hose.
- Use of a high-durability DC brushless motor (see page 2 for details).
- Built to be installed in customised.

Major Specifications

Drying method	Model name	Drying time (Hyper)	Airflow rate (Hyper)	External dimensions (mm)	Power supply	Rated current (A)	Power consumption (W)		Motor type	Safety components	Drain tank (L)	Weight (kg)
							Hyper	Weak				
Dual Jet Airflow drying	JT-SB216ESH	Heater ON	3~5 sec.	80m/s	220-240V/ 50-60Hz	4.6-5	1010-1200	DC brushless motor	<ul style="list-style-type: none"> • Temperature fuse • Over current breaker 	0.8	14	
		Heater OFF	4~6 sec.			4.0	650					
	JT-SB216GSN	—	4~6 sec.			3.5	560					130

*:Drying times were obtained using Mitsubishi Electric's own measurement method. *:Airflow rate is measured at the nozzle outlet.

*:Ground construction is required *:Red letters indicate power supply related dimensions



*:Because there is no power cord, pull the $\phi 1.0\text{--}\phi 2.5$ cable out of the wall by 450mm. *:Confirm points of caution about installation space with the dealer.

Options

Jet Towel has many options to choose from, so can be customised to complement and enhance any setting.

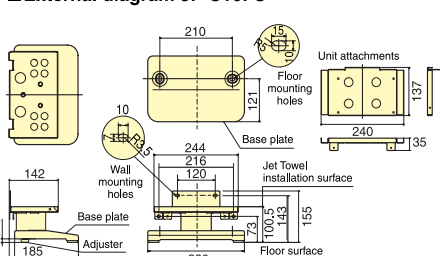
Jet Towel Stand

New Slim Type
JT-SB216ESH model use



JP-S10FS-H (Gray)

External diagram JP-S10FS



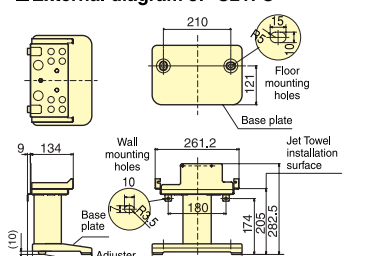
Jet Towel Stand

New Slim Type
JT-SB216GSN model use



JP-S21FS-H (Gray)

External diagram JP-S21FS



Jet Towel's many benefits make it suitable for a wide range of environments.

Office Building/Commercial Facility (Mitsubishi Estate Co., Ltd.)



The Jet Towel blends with a wide range of interior design schemes and is perceived as a key restroom amenity.

"New slim-type units were installed in all restrooms in order to blend with the existing interior design. Unlike with paper towels, there's no need to replenish supplies or remove waste, which greatly reduces custodial work. The electric-powered high-speed hand dryers also help to protect the environment by eliminating the use of paper."

●Factors behind the decision to use the Jet Towel:

1. Design blends into any space
2. Reduced operating and cleaning costs
3. Environmentally-friendly waste-free system



Background to Installation	New building
Previous drying system	—
Jet Towel installation sites	Restrooms throughout the facility
Number installed	144 units

Hotel (Shinagawa Prince Hotel)



Paperless Jet Towel system introduced out of concern for the environment

"Previously, we used paper towels throughout our hotel. But we realised that from an environmental standpoint, a paperless high-speed hand dryer simply makes more sense. The dryers also improve restroom appearance, enhance hygiene, and reduce maintenance."

●Factors behind the decision to use the Jet Towel:

1. Reflects environmental considerations by reducing paper waste
2. Creates a more sanitary environment
3. Quicker drying through the Dual Jet airflow



Background to Installation	New building
Previous drying system	Paper towels
Jet Towel installation sites	Restrooms throughout the facility
Number installed	88 units

Multipurpose Facility (Mori Building's Roppongi Hills Development)



Introduction of the Jet Towel to help reduce operating expenses

"An important consideration in installing the Jet Towel was whether it would help reduce our operating expenses. So we installed the Jet Towel on a trial basis in an existing building owned by Mori Building and compared the operating costs against those incurred with the use of paper towels. The results highlighted the superior cost performance of the Jet Towel, and encouraged us to move ahead with its introduction."

●Factors behind the decision to use the Jet Towel:

1. Low operating costs
2. Quicker drying through the Dual Jet airflow
3. Hygienic no-touch drying



Background to Installation	New building
Previous drying system	—
Jet Towel installation sites	Restrooms throughout the facility
Number installed	256 units

Department Store (JR Nagoya Takashimaya)



Adding to improved amenities throughout the facility

"We installed the latest Jet Towel in all of our restrooms as part of an overall effort to create a more appealing atmosphere for customers. We have found that they really appreciate the convenience of these rapid hand dryers. In addition, because the Jet Towel produces no waste, we have been able to present a more environmental image and reduce cleaning costs in the process."

●Factors behind the decision to use the Jet Towel:

1. Overall improvement in restroom comfort
2. Environmentally-friendly zero-waste system
3. Reduced cleaning and maintenance costs



Background to Installation	New building
Previous drying system	—
Jet Towel installation sites	Customer restrooms (men's and ladies' restrooms, shared restrooms)
Number installed	48 units

Office Building (Hiroshima Mazda)



Rapid drying: the deciding factor in the introduction of the Jet Towel

"We share our building with our tenants, and so to mark the tenth anniversary of our building's construction, we considered introducing a hand-drying system to our restrooms as a way of providing better service to these tenants. The major factor in choosing a system was drying performance, and the system that attracted us the most was the Jet Towel system, which we had seen installed in restrooms along expressways. We decided to install the Jet Towel in particular because we figured that anything less powerful wouldn't offer sufficient performance. Now our customers are always commenting on how quickly the dryers work."

●Factors behind the decision to use the Jet Towel:

1. Quicker drying through the Dual Jet airflow
2. Improved service for tenants
3. Low running costs



Background to Installation	Ten-year-old building
Previous drying system	—
Jet Towel installation sites	Restrooms on all floors
Number installed	26 units

Technical Colleges (Ohara Bookkeeping Special School, Nagoya Campus)



Jet Towel Slim Type makes a clean sweep of all paper waste

"The decision to introduce the Jet Towel was based the use of that same model at a separate campus within our school group. The conventional paper towels used in our student restrooms were creating a major mess, and we realized that a cleaner environment was needed. Putting the Jet Towel Slim Type into use also enhanced the restroom ambiance, furnishing a nice touch of luxury. The no-touch drying function has also been a big hit with our students for its simplicity and handy use."

●Factors behind the decision to use the Jet Towel:

1. Improved student restroom convenience.
2. Improved school image.
3. Improved paper waste countermeasure and restroom space comfort.



Background to Installation	In-Use
Previous drying system	Paper towels
Jet Towel installation sites	Student restrooms
Number installed	12 units

School Foodservice Center (Adogawa-cho Combined School Foodservice Facility)



A hit with clients. Reduces maintenance costs. Friendly to the environment.

"We're especially careful here about hygiene standards. All employees are required to wash their hands an average of 7-8 times a day. So the Jet Towel, which dries hands quickly, is extremely popular among our employees. Switching from paper towels to Jet Towel offers other advantages, too—for example, eliminating paper waste and the need to restock paper towels."

●Factors behind the decision to use the Jet Towel:

1. Hygienic no-touch drying
2. Faster drying with the Dual Jet airflow
3. No paper waste



Background to Installation	New building
Previous drying system	Paper towels
Jet Towel installation sites	Hand-washing facilities
Number installed	28 units

The Jet Towel is also providing excellent service in business offices, convention centers, amusement parks, shopping centers, general industrial factories, food plants, precision machinery plants, airports and other locations where large numbers of people gather.

Mitsubishi Hand Dryer



Safety Precautions

- Always turn off the power switch and wear gloves before installing or cleaning the product.
- Read the operating instructions before using the product and follow the instructions carefully.
- Electrical wiring must be carried out properly in accordance with local laws and regulations of each country.
- Do not connect the product to wiring used for other equipment, as this may result in overheating and/or fire in the wired area.
- Ensure the product is properly grounded and is protected by a circuit breaker.
- Do not use in showers, baths, or other areas of high humidity, as this may lead to the unit short-circuiting or malfunctioning.
- Ensure that the main unit is securely attached to a sufficiently rigid structure. Detachment of the product from the mounting may lead to injury.
- The Jet Towel is designed for drying hands; use of the product for any other purpose may render the warranty null and void. This product cannot be used for sterilization.
- Do not use sprays or other products containing inflammable gas in the vicinity of the product.

Installation Precautions

- When attaching the Jet Towel to a wall, select a height that is convenient for both men and women, where applicable.
- Do not install the Jet Towel in the following areas:
 - Areas in which temperature may fall below 0°C
 - Areas in which temperature may exceed 40°C
 - Extremely dusty areas
 - Areas prone to condensation
 - Areas directly exposed to water
 - Areas in direct sunlight or strong light
 - Areas close to foodstuffs, cookware, etc.
 - Areas exposed to corrosive, neutral, or reducing gases

Precautions for use

- Do not use the product to dry any chemicals or similar substances from the hands; failure to observe this precaution may shorten product life.
- Because the product is an electrical appliance, it should not be cleaned directly with pressurised water or similar means.
- To clean the exterior of the main unit, remove any dust or grime using a damp cloth. If using a detergent, use only neutral detergent diluted with water.
Do not use paint thinner, alcohol, benzene, or acidic or alkaline cleaners.
- Water collected in the tank and drain receptacle at the bottom of the main unit must be emptied regularly to avoid overflow.
- Flush the drain mouth with approximately 200 cc of water at least once a week.
- Clean the air filter approximately once a week.
- Water drawn into the main unit may be absorbed by the soundproofing material, resulting in bacterial build-up.
To prevent this, ensure that water does not get in around the air filter and air intake.

*Safety considerations require that the serial number and/or appropriate markings or labeling be visible. When purchasing the product, make sure they are displayed on the main unit.

- Certain ratings and specifications may change due to product improvements or modifications.
- While every effort has been made to represent product colours herein accurately, slight deviations from actual colour may be noted due to the printing process.



Mitsubishi Electric Corporation's Nakatsugawa Works is an ISO certified plant, having obtained both ISO 9001 Quality Management System and ISO 14001 Environmental Management System certification.



Mitsubishi Hand Dryer website

<http://Global.MitsubishiElectric.com/bu/handdryer/>

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