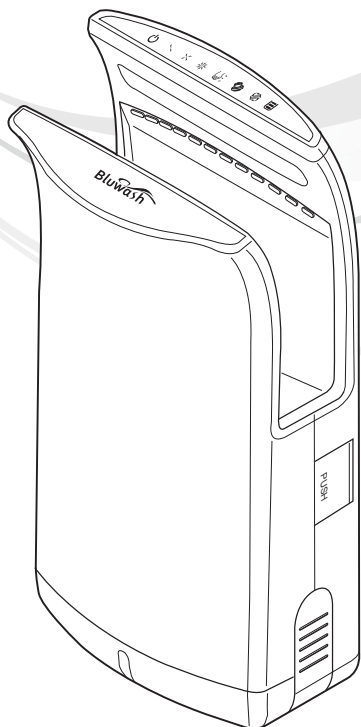


# Instruction Manual

## *Bluwash* JET HAND DRYER

Please read through the manual for appropriate use of the product.

※ After you read through the manual, keep it in a proper place for the users.



### Contents

- 1** Cautions for Safety
  - 2** Features of Product
  - 3** Name of Each Part
  - 4** Drawing of Finished Installation
  - 5** Cautions in Installation
  - 6** Installation Method
  - 7** How to Use
  - 8** How to Clean
  - 9** Trouble Shooting
  - 10** Specifications
- Warranty



# 1. Cautions for Safety

(You must observe the followings for your safety.)



This manual is for users to use the machine safely and properly and has several indications to prevent the risks and property damage in use beforehand.





You should read it carefully for a proper use.






And make sure to keep this manual in a place where a user can easily access to read after reading it.



 <b>Warning</b>	This indication means that the person can be seriously injured or even dead if he or she uses the machine improperly, ignoring this indication.
 <b>Caution</b>	This indication means that the person may be possibly injured or property damage may occurs if he or she uses the machine improperly, ignoring this indication

- Each kind of observance is as following indications.

	This is the indication that you must not do. (General Bans)
	This is the indication that you must do. (General Instructs)

 <b>Warning</b>	
	Do not put foreign substances (such as nail, needle, wire, and other metal materials) into or oppilate the air vent where warm wind flows out - There are fire hazard and electric shock hazard.
	Make sure to keep the plug out while you are cleaning. If you don't so, electric shocks may possibly occur.
	Never spray cleanser on the main body or the power cable part. There are fire hazard and electric shock hazard.
	Do not put the electric cable in or pull it out with a wet hand. If you do so, electric shocks may possibly occur.
	Do not insert the plug into the shaking or worn-out socket. There is a fire hazard.
	A user must not disassemble or remodel personally. There are fire hazard and electric shock hazard.
	Do not put a lighted cigarette or inflammable materials on the machine. There is a fire hazard.

 <b>Warning</b>	
	Do not hang heavy stuffs on the power cable or give a pull on it. Also do not get it damaged, bend it by force, or twist it. If you do so, fire and electric shocks may possibly occur due to the damaged cable.
	Check and clean the machine regularly so that dust is not stacked up on the interior of the machine and the power cable part.
	This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. children should be supervised to ensure that they do not play with the appliance.
	If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

 <b>Caution</b>	
	Do not lean on or hang on the machine - You may be possibly injured with the separation of the machine.
	Do not use the machine other than drying hands (Ex: Drying hair) - You may be possibly injured or burned with bumping against the machine.
	Do not put a towel or other stuffs on the machine - Fire may possibly occur or you may be injured with the falling stuff on the machine.
	Do not use toilet detergent, house detergent, benzene, thinner, cleanser and nylon scrubber when you clean the machine because they can damage plastics.

## 2. Features of Product

### (1) General Features

- This machine is sanitary as you can use it without touching any instrument or switch by automatic coming-out of warm wind right after putting your hands into the air vent.
- To prevent children's mischief or continuous running by the sensing error of the sensor, the machine is designed to be stopped about 20 seconds after continuous running. You can reuse it by pull the hands out and then put them in again.
- The built-in water receiver is removable slide, therefore anyone can easily remove the water that is full in the receiver.

# 2. Features of Product

## (2) Unique Features of "BWD2000"



6-phased Wind Speed

You can control the strong wind speed coming out of the 1200W motor in 6 phases.



BLUE LED

Blue led illuminations come to light time it will be able to confirm a dry condition to the hand dry at the time of hand area and a possibility of seeing a superior illuminating effect there is



Triple Safety Structure

The machine is safe with the triple safety devices (temperature fuse, overcurrent fuse, and bimetal).



Lighting & Operation Lamp

The machine is easy to use as a user and a care taker can look at the present operating status of it and its design is outstanding with its lighting.



Prevention of Water Splash

With its mechanical design for prevention of splashing water into face or body, the machine is sanitary.



Triple Channels for Removing Odor

This machine is sanitary with its "antibacterial intake", "antibacterial filter", and "separate structure of air intake".



Application of Antibacterial Resin

With the application of antibacterial resin to the injection molding material in the region where bacteria may breed the machine is sanitary.



Self-diagnosis

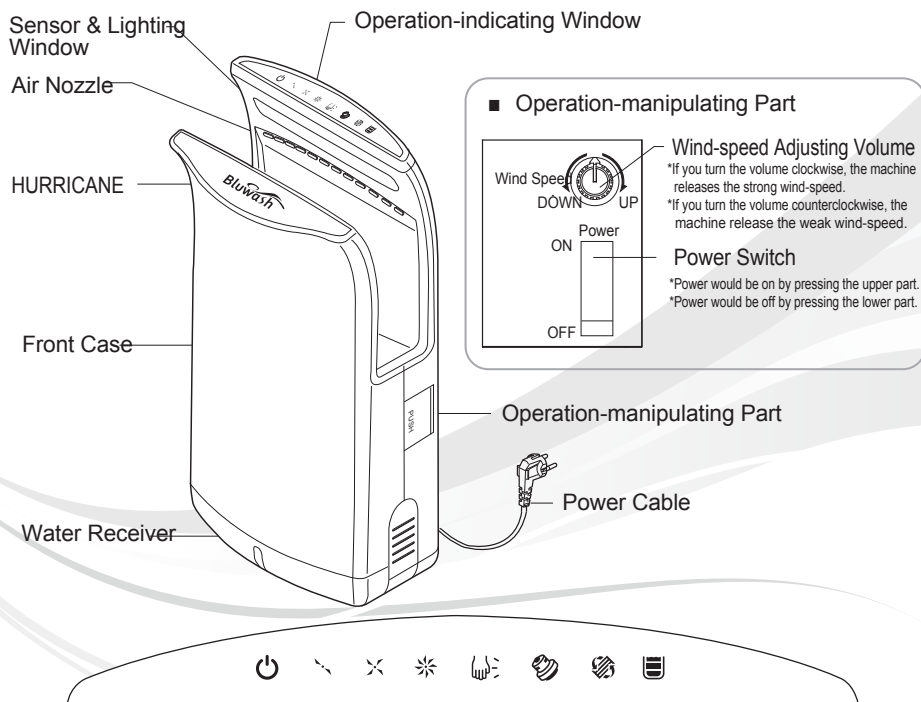
There will be an own diagnostic feature and the case operational indication original LED ramp which the water will kick full in motor breakdown or the eave with twinkling, To inform to the user, it is safe and it is hygienic.



Filter exchange

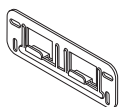
Operation indication original filter shift (cleaning) there is a timely message function and filter shifts (cleaning) the inside 2 all to inform a time with 1 month period , it is convenient and it is hygienic.

### 3. Name of Each Part



- When the power is on, the blue LED lights up and the green LED of chosen function also lights up.
- Power: When the power is on, the green LED lights up.
- Work east: The hand it puts in and dry at the time of green LED lights up
- Wind-speed: It wishes from operation final controlling element there being it will be able to control a wind velocity at 6 phases, the icon green LED which is selected to light up.
- Illumination: Illumination it comes to light in the hand dry at the time of hand, green LED it comes to light to operation final controlling element.  
(According to the product evening sunlight it could be changed.)
- Self-diagnosis: Motor out-of-order yes or no under own diagnosing discovery at the time of green LED above the woman being winking.  
Filter shift (cleaning) the case green LED where has become the time being winking.  
(Inside 2 all) the case water level where the eave water level will be being filled with water to perceive, green LED being winking.

#### Accessories



Bracket



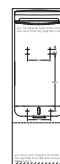
Brush



Bracket-fixing Bolts



User Manual



Mounting surface  
Guiding Sheet

Make sure to put the power cable tightly into the socket with AC230V, 50Hz/60Hz and do not put it into the shaking or worn-out socket. If the power cable is not properly installed, fire or electric shock may possibly occur.



## Caution

This indication means that the person may be possibly injured or property damage may occurs if he or she uses the machine improperly, ignoring this indication.

Install the machine on the strong concrete wall surface to be solidly fixed. If you don't so, you may be injured or the machine may be damaged due to the separation of the machine.

## ■ Cautions before Installation

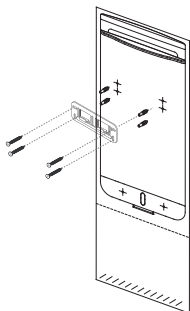
- The rated power consumption of the machine with AC 230V and 50/60Hz is 1200W. Make sure to install the appropriate wiring according to the above.
- The effective length of the power cable is about 1.8m. Install the socket in a space within about 1m from the place where you try to install the machine and without water splash.
- Do not let the machine exposed to direct sunlight Direct exposure to sunlight causes discoloration or malfunction.

## 6. Installation Method

- Use a single-phase alternating current 230V.(If you use 110V, the machine cannot be operated.)



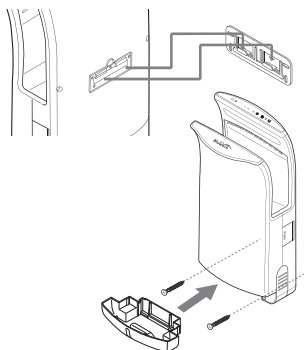
- Install the wiring correctly following the regulation for electrical installation and the domestic wiring regulation.(In case of interior wiring, use exclusive wires.)
- Do not install the machine in the following places.(Installing so causes troubles on the machine.)
  - Places where temperature is more than 40℃ condensation breaks out, and water is directly contacted
  - Places where direct sunlight or strong light exists and there is corrosive, neutral, or reducing gas



### 1. Fixation of Installation Plate (Consideration for installation environment)

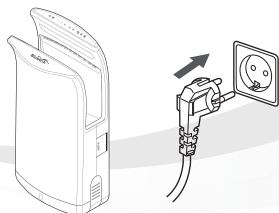
- After sticking the installation guide placed in the product box on the wall, make the holes with the depth of 30mm in 4 upper sides and 2 lower sides by using a concrete drill with the diameter of 6mm as shown in the drawing.
- Insert nylon anchors into the holes.
- Fix the bracket with fixing screws.
- In case of installation on the other walls than a concrete wall, install the machine after sufficient reinforcement.

## 6. Installation Method



### 2. Fix the machine in the installation plate.

Fix the machine in the locking sill. (At this time, install the water receiver independently.)  
After fixing the machine, fasten it with fixing screws completely into the 2 holes in the bottom.  
Connect the water receiver into the machine.

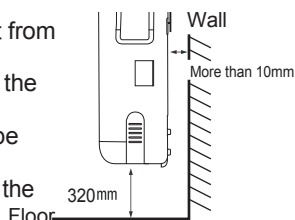


### 3. Check if the machine works normally.

After connecting the power cable into the socket, check if the machine operates normally.  
If the machine doesn't operate, refer to page 12 of this manual.  
If the problem maintains on the machine, please contact the Repair & Service Center of our company.

### About the Installation Location

- Install the machine with the space of 320mm in height from a floor which is the recommendation installation height.
- Make sure to install the machine so the distance from the wall is more than 10mm.
- The wall where the machine is to be installed should be flat without any layers.
- Avoid the place for installation where people bump into the machine easily and doors contacts it.



### Test Run

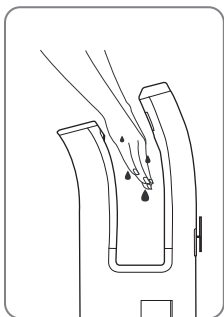
- Do not turn the power switch on after inserting your hands.
- After turning the power switch on, check if the beat sound comes out and the operating lamps works correctly.

### Checkup Table

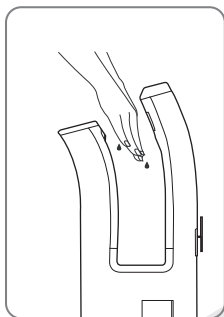
	Procedure	Checkups
1	Check the power and voltage.	- Are you using a single-phase alternating current 230V?
2	Turn the power switch on.	- Are the operating lamps lighting up?
3	Dry hands, inserting them.	- Is the wing coming forth? - Isn't there any vibrating strange sound?

## 7. How to Use

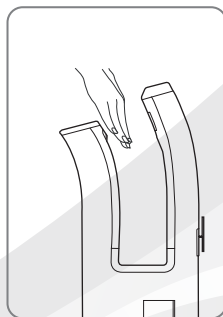
Following the below way can get a fast dry effect.



1. As soon as you insert your hands into the air vent, opening and supinating your hand, the drying begins automatically.



2. Take your hands out, shaking water off your hands with the wind.



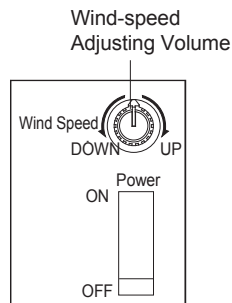
3. By removing the water thoroughly through repetition of the step 2, the drying of your hands is ended.

### ※ Safe Circuit

The machine is automatically stopped when it operates continuously by unnecessary substance beneath the sensor or you use it continuously for more than 20 seconds.

## How to Use Hi-speed Switch

If you spin the wind-speed adjusting volume clockwise of the operation-manipulating part located on the right middle of the main body, the wind becomes strong. And if you spin it counterclockwise, the wind becomes weak. You can adjust the wind strength in 6 phases and the green LED lights up on one of the strong, medium, and weak lamps according to the wind strength.



※ If you set the wind strength to the weak mode, you can use the machine a little bit more quietly as the motor output decreases. It will be able to economize an electricity.



## 8. How to Clean



### Warning

Make sure to remove the power cable from the socket while you are cleaning the machine.  
(Or electric shocks may possibly occur.)

Do not insert or pull out the power cable with a wet hand. (There is an electric shock hazard.)

Never spread water or cleanser on the main body or the power cable part.  
(There are fire hazard and electric shock hazard.)

The disassembling of the machine by anyone except our technicians is absolutely banned.  
(There are fire hazard and electric hazard.)



### Caution

Do not use toilet detergent, house detergent, benzene, thinner, cleanser and nylon scrubber when you clean the machine because they can damage plastics.

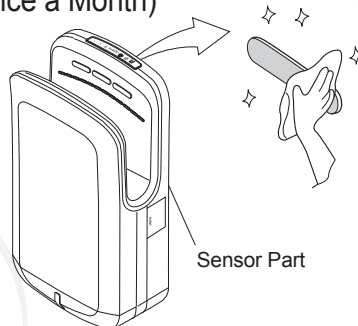


### ■ Cleaning of Sensor Part (Once or Twice a Month)

The contamination of the sensor part can cause poor sensing or malfunction.  
Clean the machine regularly with a soft cloth.

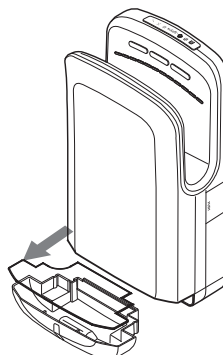
#### (Note)

Be careful not to make any flaws in the sensor part while you are cleaning it.



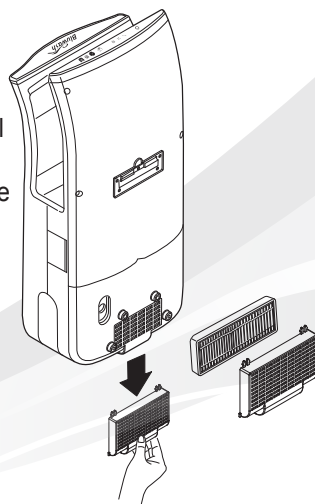
### ■ Cleaning of Water Receiver

- Remove the removable slide water receiver from the main body.
- Remove the stacked water from the water receiver.
- Connect the water receiver into its original location of the main body after finishing the cleaning.
- Clean the water receiver regularly according to the frequency of use.



## ■ How to Clean Filter

- Clogged filter makes the wind weak and reduces the drying effect of the machine.
- Clean the filter regularly following the below instructions.
- Pull out the grip of the intake of the antibacterial resin with your fingers.
- Remove the dust or foreign substances from the intake of the antibacterial resin and the antibacterial filter.
- After cleaning, connect the filter into the intake of the antibacterial resin and then place it into the original location, keeping the grip of the intake of the antibacterial resin downward.
- Cleaning the filter with water or cleanser can cause the problem on the machine as the moisture flows into the inside of the main body. In case of cleaning it with water or cleanser, connect them after drying out the water completely.



## ■ After cleaning

Turn the power switch on with an unwet hand.

## 9. Trouble Shooting

Symptoms	Checkups	Actions
In case that the wind doesn't come out even after you insert your hands	<ul style="list-style-type: none"> <li>-Is there any power failure?</li> <li>-Is the power cable unplugged?</li> <li>-Is the power 230V?</li> <li>-Are your hands sufficiently inserted?</li> <li>-Do the operating lamps light up?</li> </ul>	<ul style="list-style-type: none"> <li>-Check the power state of other product.</li> <li>-It makes the power plug paste in the cone cent, to connect.</li> <li>-Connect into 230V power supply.</li> <li>-Insert your hands into the vent correctly.</li> <li>-Turn the power off and clean the sensor part and then turn the power on.</li> </ul>
In case of making severe noise and strange sound	<ul style="list-style-type: none"> <li>-Isn't the wall where the machine is installed weak or isn't the machine unstably installed?</li> <li>-Is any stuff placed on the back side of the product or on the machine?</li> <li>-Isn't the fixing board contacted with the wall?</li> </ul>	<ul style="list-style-type: none"> <li>-Install the machine on a solid and flat wall.</li> <li>-Remove the stuff.</li> <li>-Fix the fixing board in the wall so it wouldn't shake.</li> </ul>
In case that the wind smells bad	<ul style="list-style-type: none"> <li>-Isn't the water receiver full with water?</li> </ul>	<ul style="list-style-type: none"> <li>-Empty the water receiver and clean it.</li> </ul>
In case that water is dripping to the floor	<ul style="list-style-type: none"> <li>-Is the water receiver properly inserted?</li> <li>-Is the water spilling over from the water receiver?</li> </ul>	<ul style="list-style-type: none"> <li>-Insert the water receiver properly.</li> <li>-Remove the water from the water receiver.</li> </ul>
In case that the wind doesn't stop	<ul style="list-style-type: none"> <li>-Isn't there any foreign substance or pollutant on the sensor?</li> </ul>	<ul style="list-style-type: none"> <li>-Turn the power off and clean the sensor part and then turn the power on.</li> </ul>
In case that the self-diagnosis lamp is flickering	<ul style="list-style-type: none"> <li>-Does the filter lamp lighting up green?</li> <li>-Isn't the motor running with the motor lamp lighting up green?</li> <li>-Does the water level lamp light up red?</li> </ul>	<ul style="list-style-type: none"> <li>-To shift the filter where becomes the filter shift time.</li> <li>-There is a problem on the heater and contact the repair &amp; service center.</li> <li>-Remove the water from the water receiver.</li> </ul>

If the problem remains even after the above actions are taken, contact the store that you purchased the machine or our repair & service center after turning off the power.

## 10. Specifications

Model Name	BWD2000
Size	300(W) x 669(H) x 234(D) mm
Rated Power	AC230V / Usable for both 50Hz and 60Hz
Rated Power Consumption	1160W
Motor	Brush Motor
Filter	HEPA Filter
Blast Fan	Turbo Fan
Safety Device	Temperature Fuse, Overcurrent Fuse, and Bimetal SW
Cover Material	ABS Resin / Heat-resistant Resin
Capacity of Water Receiver	1100 ml
Wind Speed	160 m/sec
RPM	33,000 rpm
Weight	10 kg



### Warning

Anyone other than our repair technician must not assemble or repair the machine. In that case, there is an electric shock hazard.

In case that you need to replace the power cable, make sure to contact our distributor where you purchased the machine or our repair & service center. (Anyone other than our repair technician must not replace the power cable.)

# Memo

---



## Product Warranty

Product Name		Insert-type Hi-speed Hand Dryer	
Model Name		BWD2000	
Purchasing Date		Warranty Period ( Year)	
Customer	Name		
	Address		
Distributor	Store Name		Selling Price
	Tel.		

- ※ In case that you didn't fill in the above blanks or lost this warranty, you cannot get the warranty benefit. Hence, have the blanks filled in at the time of purchase and keep the warranty cautiously.
- This warranty guarantees free repairs according to the contents written in the warranty.
  - Contact our repair & service center if there is a problem on the machine during the warranty period.
- Make sure to present this warranty at the time of repair.

### Regulation on Free Repairs

- Free repair can be provided only when the machine has troubles within     year after purchasing date (warranty period).
- Free repair is provided for the trouble in a normal use according to the user manual and the caution labels during the warranty period.

### Regulation on Repair with Cost

- In case of the followings, you are charged for repairs.
- Troubles or damages caused by carelessness in use and improper repair or remodeling
  - Troubles or damages caused by fire, gas, flood, earthquake, thunderstroke, and other natural disaster and pollution or abnormal voltage
  - Troubles or damages from careless transportation or handling after purchase
  - Troubles or damages caused by use of undesignated power (voltage or frequency) or abnormal water quality
  - Troubles or damages caused by relocation after installation
  - Troubles or damages of consumable components caused by sand or dust
  - When there is no written contents in the warranty or the written contents was changed
- This warranty cannot be reissued and keep it with care.
- When requesting a repair, make sure to present the warranty.
- If you have any questions about the repair after expiration of warranty period etc. please contact our repair & service center.



**DYNE GLOBAL CO., LTD**

178-50, Myeonmok2-dong, Jungrang-gu, Seoul, 131-820, Korea

Tel: +82-2-432-2639

Fax: +82-505-242-2067

