

Ultra high-speed hand dryers

Faster, smarter and more energy efficient

Biodrier

For faster, healthier hand drying

Biodrier offers a range of High Speed Hand Dryers to suit any washroom application. Installing a Biodrier will increase the hygiene in your washroom while greatly reducing the running cost and the time needed for maintenance. High speed vacuum motors use as little as 500 Watts of power, combined with a drying time of 10 seconds or less, saving up to 90% on electricity running costs. Biodriers are available in colours to suit any décor and have an impressive modern design. Packed with features including scented gel blocks, infra-red sensors, adjustable high speed motors, and HEPA filters*. Biodrier hand dryers are the smart way to dry your hands! What's more our dryers come with a 5 year warranty (UK only).

**Please see individual hand dryer specifications.*

Contents

Benefits To The Environment	p4
Cost Savings	p5
Hands In Dryers	
Biodrier Executive	p6
Biodrier Business	p10
Biodrier Business ²	p12
Hands Under Dryers	
Biodrier GWave	p14
Biodrier 3D Smart Dry	p16
Biodrier BioLite	p18
Biodrier Eco	p20
Children's Dryer	
Biobot	p22

Biodrier Approvals



Biodrier Customers Include



NEW
for 2014

NEW
for 2014



Benefits to the environment

Faster, Healthier Hand Drying With Biodrier

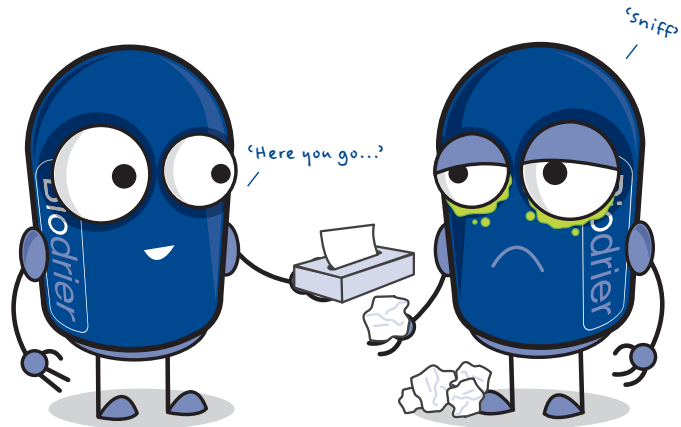
Biodrier hand dryers are considerably better for the environment compared to traditional hand dryers. They keep energy consumption to a minimum by using low energy high speed motors. Some even use heat generated by the motor to provide the warm air for hand drying. There are no paper towels to dispose of and accurate sensors ensure it only activates when actually needed.

Hygienic

Our hygienic Biodrier filters protect against bacteria and help combat viruses such as corona and influenza by filtering the air used to dry your hands (see the individual hand dryer specifications to see which dryers have this feature). The outside of the Biodriers are very easy to keep clean, some even have an antibacterial coating which kills germs effectively.

Reduce Your Carbon Footprint

Biodrier hand dryers reduce the time it takes to dry your hands, using much less energy when compared to a conventional dryer. By reducing the amount of energy used in a day you can greatly reduce your carbon footprint.

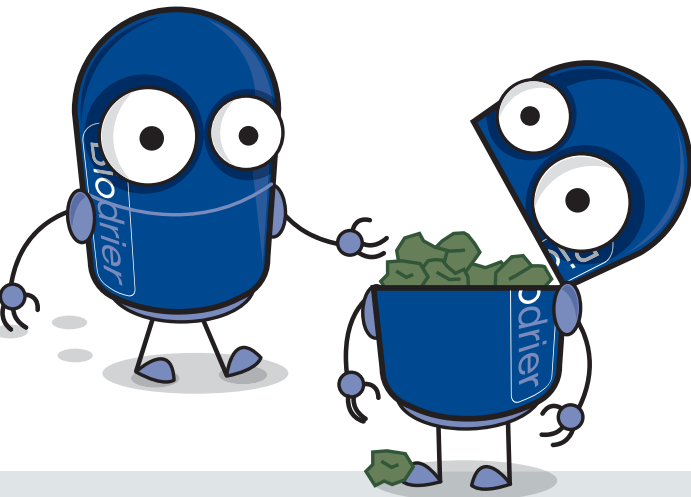


Throw Out Those Paper Towels

Paper towels are wasteful, not all that effective for hand drying and old-fashioned. They create waste that litters the washroom and their production creates poisonous materials such as dioxins. It's time to move beyond the paper towel.

Reduce Landfill

By avoiding the use of paper towels, you will reduce your contribution to generating landfills full of rubbish.

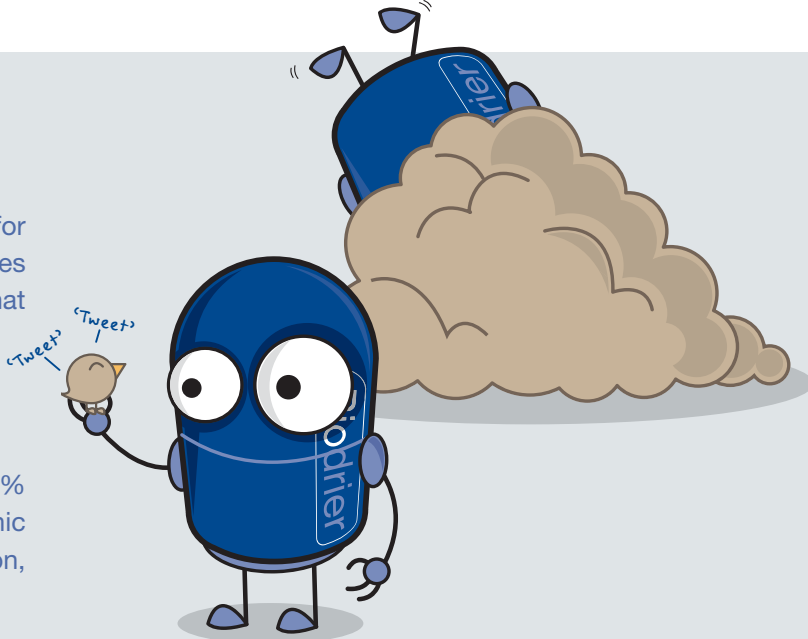


Saves Homes

By using Biodrier technology, we eliminate the need for paper towels. This in turn reduces the amount of trees which need to be cut down to make the towels, trees that provide homes to many types of wildlife.

Safer For Users

Biodrier hand dryers with filter technology use 99.99% clean air, providing users with a safe and hygienic environment. All our dryers also use touch free activation, which limits the spread of bacteria.



Cost savings

Save Time, Save Money, Save Energy

Biodriers save energy as they consume as little as 500 watts of power via a high speed motor. Shorter drying times combined with less power consumption is the key to saving money long-term.

As the cost for each use of the Biodrier is 0.0003p, the user can save 98.5% of the cost of paper towels*. If you take into account the cost of maintaining a washroom that uses paper towels, restocking and clearing the mess they leave behind, you can save even more money with a Biodrier.

Conventional Dryer vs. Biodrier

25 seconds to dry...	10 seconds to dry...
2400 watts of energy	850 watts of energy!*

Using a conventional dryer
Cost per year: £100.38

Conventional hand dryers can take up to 25 seconds to dry your hands. The majority of people won't wait this long to dry their hands, increasing the chance of bacteria spreading.

Using the Biodrier
Cost per year: £14.21

With the Biodrier it takes a lot less time, only 10 seconds! This can save you time, energy and most importantly money!

SAVING £86.17

Paper Towels vs. Biodrier

How much can you save?*

Paper Towels	Biodrier Business
Each dry costs £0.02	Each dry costs £0.0003
150 Dries a day £3.00	150 Dries a day £0.0389
Cost per year £1,095.00	Cost per year £14.21

SAVING £1,080.79

The Biodrier is a hygienic, fast, efficient and stylish way to dry your hands.

* This information relates to the Biodrier Business model. Power consumption of other models may vary. Please refer to each individual specifications.
** Usage based on 2 towels per dry, 150 dries per day. Cost based on 1 pence per paper towel and £0.11 per KWH.

Biodrier Executive



Intelligent Design

The Biodrier Executive is packed with features that make it our most sophisticated dryer yet. Its contemporary design and four colour choices will add a high quality finish to any executive washroom.

The LED display on top of the dryer counts down the hand drying time and indicates when the drip tray and HEPA filter need to be changed. This is a simple process that does not need a technician, unlike some of our competitors' products.

Accurate Detection

The Biodrier Executive detects hands with accuracy. It uses three infrared sensors, eliminating false or delayed hand detection, starting drying exactly when needed. No contact is needed to activate the unit which reduces bacteria transfer.



Minimises Noise

A Noise Absorption Module inside the unit minimises air friction and mechanical sounds from the motor. This plays a large part in keeping the overall noise of the unit down. On top of this the two stage motor allows you to reduce the noise level even further, down to just 58dba @ 1mtr

Heat Recovery Motor System

The Biodrier Executive is based on a simple yet powerful idea – using the heat from its own motor to provide the warm air used to dry your hands. This is just one of the many features of this dryer which drastically saves energy when compared to a traditional hand dryer.

Super High Speed Drying

The Biodrier Executive uses two jets of air to remove water from the hands, one for the top and one for the bottom. This dries the hands in under 10 seconds, which is significantly less time than a conventional dryer.

Biodrier Executive Technical Specifications

Item Category	Performance
Operating voltage	220-240Vac, 50-60 Hz
Air speed	150 m/s @ 1200 WATTS
Motor type	35000 rpm, 2 speed adjustable motor
Rating power	700 - 1200 WATTS
Drying time	Under 10 seconds
Circuit operation	Infrared automatic, self adjusting
Timing protection	20 seconds auto shut off
Drip proof	IP33
Isolation	Class II
Water tank	LED indicator when tank is full
Filter sensor	LED indicator when filter needs to be changed
Air filter	Antibacterial H13 HEPA filter
Air freshener	Organic ocean breeze fragrance
Net weight	9kg
Unit size	W 330 x H 670 x D 230mm
Finish	Fireproof ABS, 94V0, PMMA, UV Coated
Decibel rating	58-80 dba @ 1 mtr
Approvals	CE, WEEE, GS, ETL, GreenSpec®

Colour Options



Hygienic

Filtered Air

The Biodrier Executive filters air through a triple HEPA Grade 13 filter. This removes 99.9% of all airborne particles and makes sure your hands are dried with clean, germ free air.

The hygienic filter system consists of a pre-filter, an antibacterial filter and HEPA filter. These protect against bacteria and help combat viruses such as the corona and influenza viruses.

Gel Block

As well as being filtered, the air is infused with our exclusive Organic Gel Blocks which moisturises hands, freshens the surrounding air of the room and sanitizes the hand dryer unit all at once.

Drip Tray

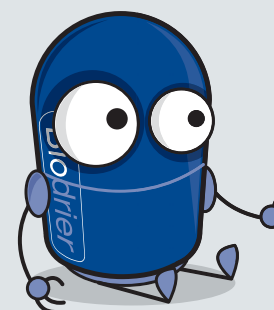
Water which is blown off the hands has to go somewhere. With the Biodrier Executive the water is collected in a drip tray in the bottom of the unit, keeping the surrounding area clean and safe and prolonging the life of the dryer. The drip tray has an intelligent sensor which informs you when it needs to be emptied.

Outer Shell

Made from advanced ABS plastics this dryer is hard wearing, burn proof, rust proof, and has an Ionpure® anti-microbial coating.

Save time, save money, save energy

'Lovely and quiet...'



Lockable drip tray
with LED indicator
when full

Energy efficient, uses
heat from its own
motor to dry hands

HEPA 13 filter,
removes 99.9% of all
airborne particles

Three infrared
sensors detect
your hands



LED light indicates
when filter needs to
be changed

Attractive modern
design with Blue
LEDs add to the
sense of style

Touch-free activation
ensures hygiene
and minimal cross-
contamination

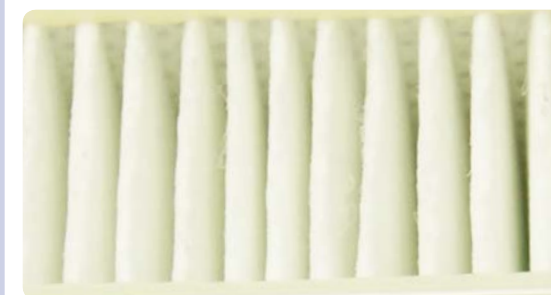
Antimicrobial coating



What Is A HEPA Filter?

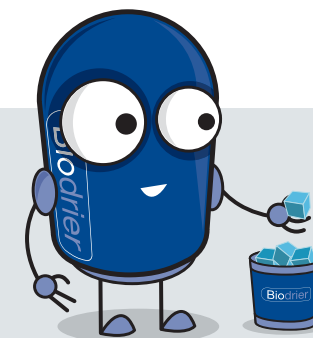
HEPA = High-Efficiency Particulate Air

HEPA filters work by forcing air through a fine mesh which traps harmful particles. They are used in a huge range of applications from filtering the recirculated air in planes to protecting doctors working with contagious patients. HEPA filters are a great help to anyone suffering with allergies or asthma as they filter pollen, smoke, dust mites etc. and are regularly found in appliances around the home. We use HEPA filters in our hand dryers because they filter bacteria and viruses from the air which is then used to dry your hands, ensuring your hands stay clean and hygienic.



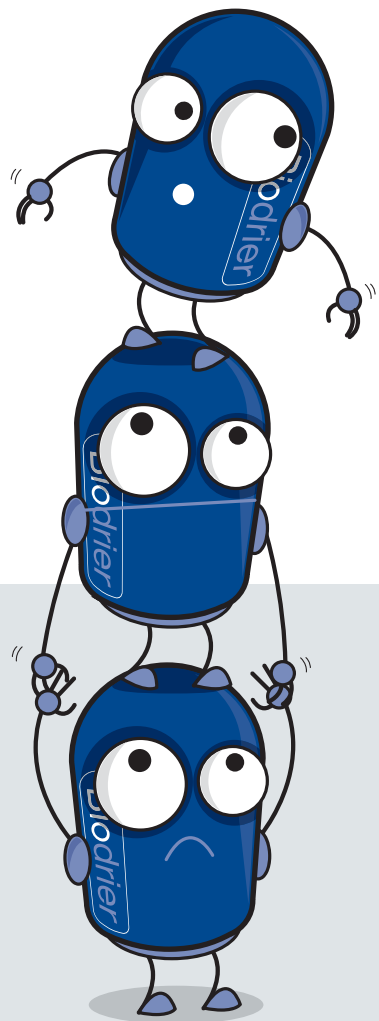
Biodrier Gel Blocks For The Executive, Business² And G-Wave

The exclusive gels for the Biodrier will last for approximately a month at a time. The gels are made from natural sources and are chemical-free. The Biodrier gel blocks perform three functions in one:



1. Adding the blocks to the unit will moisturise the user's hands during use.
2. The blocks provide a sanitizer for the user and the Biodrier unit.
3. The blocks provide a fragrant ocean breeze aroma within the washroom.

Biodrier Business



Heat Recovery Motor System

The Biodrier Business is based on a simple yet powerful idea – using the heat from its own motor to provide the warm air used to dry your hands. This is just one of the many features of this dryer which drastically saves energy when compared to a traditional hand dryer.

Accurate Hand Detection

The Biodrier Business uses three infrared sensors to detect hands, eliminating false or delayed hand detection, so drying is started exactly when needed. No contact is needed to activate the unit which reduces bacteria transfer.



Fast Drying

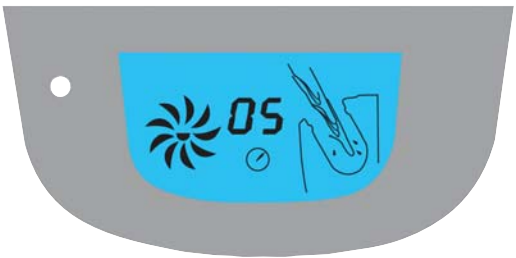
Two jets of air blast water from the hands, one on top and one on the bottom, drying the hands in under 10 seconds.

Hygienic

Like all our ‘hands in’ dryers, the Biodrier Business has an internal drip tray that collects water as it is blown off the hands. Because of this your washroom and the dryer stays clean and safe. Air is passed through an antibacterial filter whilst it dries the hands, making this dryer even more hygienic.

Intelligent CPU

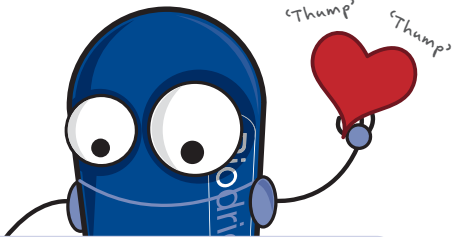
The Biodrier Business is installed with a CPU that is controlled with an LCD display. It counts down the time it takes to dry your hands, and notifies you if there are any issues (i.e. if the dryer has shut down due to a power surge).



Biodrier Business Technical Specifications

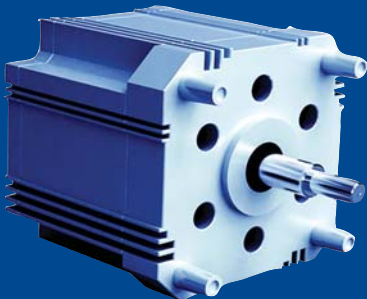
Item Category	Performance
Operating voltage	220-240Vac, 50 Hz
Air speed	95 m/s (220m³/h)
Motor type	18000 rpm, ICP brushless DC
Rating power	850 Watts
Drying time	Under 10 seconds
Display	LCD instructions + countdown
Circuit operation	Infrared automatic, self adjusting
Timing protection	30 seconds auto shut off
Drip proof	IP22
Isolation	Class I
Net weight	11kg
Unit size	W 292 x H 650 x D 250 mm
Finish	White/Silver Fireproof ABS
Decibel rating	78 dba @ 1 mtr
Approvals	CE, WEEE, GreenSpec®

Colour Options

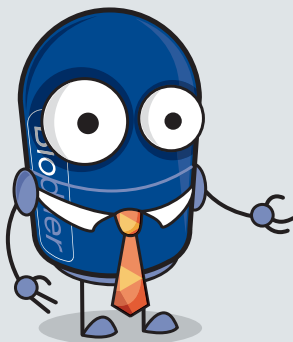


The Heart Of The Biodrier Business

By utilising a revolutionary new high speed brush-less motor, the life of the Biodrier Business is almost infinite! Long-term this will save users money in consumption and future maintenance costs. The motor also saves energy as it consumes only 850 watts of power, which is a lot less than a conventional dryer.



Biodrier Business²



This Dryer Means Business!

The Biodrier Business² creates a dual jet airflow that will dry your hands within 10 seconds. It also adopts CPU technology with a wide LED display. A concealed switch allows you set the unit at two heat levels 1400 watts (heater on) and 700 watts (heater off) and is fitted with Antibacterial filter and Air Freshener as standard.

High Speed Brush-Less Motor

The Biodrier Business² is based on a simple yet powerful idea – using the heat from its own motor to provide the warm air used to dry your hands in under 10 seconds.

The brush-less motor saves energy as it consumes only 700 watts of power. This means it uses much less power than conventional warm air hand dryers, saving you money and reducing your carbon footprint.

Biodrier Gel Blocks For The Business²

The exclusive gels for the Biodrier Business² are available in packs of 12, each gel will last for approximately one month. The gels are manufactured from natural sources and are chemical-free. The Biodrier gel blocks perform three functions in one:

Moisturise hands | Sanitize | Air freshen the washroom

Detects Hands With Accuracy

The Biodrier Business² uses three infrared sensors to detect hands, eliminating false or delayed hand detection, starting drying exactly when needed. No contact is needed to activate the unit reducing bacteria transfer to the hands.

Hygienic


Water that is blown off the hands has to go somewhere. The Biodrier Business² collects the water in a drip tray in the bottom of the unit, which keeps the unit and surrounding area clean and safe.

The Heart Of The Biodrier Business²

By utilising a revolutionary new high speed brush-less motor, the life of the Biodrier Business² is almost infinite! Long-term this will save users money in consumption and future maintenance costs. The motor also saves energy as it consumes only 700 watts of power, which is a lot less than a conventional dryer.



Biodrier Business² Technical Specifications

Item Category	Performance
Operating voltage	220-240Vac, 50 Hz
Air speed	110 m/s, 200m³/h
Motor type	35000 rpm, ICP brushless DC
Heater element	700W thermal protected
Rating power	700W (heater off) 1400W (heater on)
Drying time	Under 10 seconds
Display	LED - Countdown
Circuit operation	Infrared automatic, self adjusting
Timing protection	30 seconds auto shut off
Drip proof	IP22
Isolation	Class I
Filter	Antibacterial filter
Air freshener	Organic ocean breeze fragrance
Net weight	8.5kg
Unit size	W 300 x H 680 x D 250mm
Finish	Fireproof ABS, 94V0, PMMA, UV Coated
Decibel rating	78 dba @ 1 mtr
Approvals	CE, WEEE, ETL, 

Colour Options



SILVER | BB702S

WHITE | BB702W



Biodrier G-Wave



Customise your dryer to promote, advertise or brand your washroom. Contact us to find out more.

Compact Contemporary Design

The new Biodrier G-Wave squeezes a lot of power into its compact design. It has a high powered motor with adjustable speeds, super fast air jets and a unique no mess design.

No Mess

Unlike most other hands under dryers the G-Wave has a water tank which stores any excess water blown from the hands, keeping washrooms clean and dry. The water tank also has an intelligent sensor that informs you when it needs to be emptied.

Anti Bacterial Filter

The Grade 13 HEPA air filtration system removes dust and bacteria, delivering pure clean air to the hands.

No Fuss Maintenance

LEDs on the front of the machine will let you know when the machine needs either the filter replacing or the water tank emptying. Unlike some other hand dryers, Biodrier filters are easily changed by you and the G-Wave filter lasts for up to 50,000 uses!

Easy To Control, With Adjustable Noise Level

The Biodrier G-Wave has two speed settings giving you greater control over noise levels, which allows you to save even more energy!

Low speed: 700 Watts - 58dba | High speed: 1200 Watts - 80dba



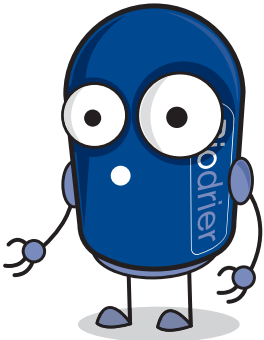
Biodrier G-Wave Technical Specifications

Item Category	Performance
Operating voltage	220-240 Vac, 50-60Hz, 700-1200 watts
Air speed	150 m/s @ 1200 watts
Motor type	35000 rpm, 2 speed adjustable motor
Rating power	1200 watts
Drying time	Under 10 seconds
Circuit operation	Infrared automatic, self adjusting
Timing protection	20 seconds auto shut off
Drip proof	IP33
Isolation	Class II
Water tank	LED indicator when tank is full
Filter Sensor	LED indicator when filter is full
Filter	Grade 13 HEPA filter
Air freshener	Organic ocean breeze fragrance
Net weight	6kg
Unit size	W 266 x H 510 x D 175mm
Finish	Fireproof ABS, 94V-0, PC, PMMA, UV Coated
Decibel rating	58-80 dba @ 1 mtr
Approvals	GS, CE, WEEE, ETL

Colour Options



BLACK & WHITE | BGW07W MIRROR FINISH | BGW07M



Biodrier 3D Smart Dry



The Biodrier 3D Smart Dry

Our most intelligent hand dryer yet, the 3D Smart Dry is a fantastic addition to our range. Featuring very high specifications, unbeatable energy efficiency and superb durability. This is the first hand dryer to automatically adjust to the surrounding ambient air temperature, so you get comfortable, warm air in the winter and do not waste electricity heating air unnecessarily in the summer.

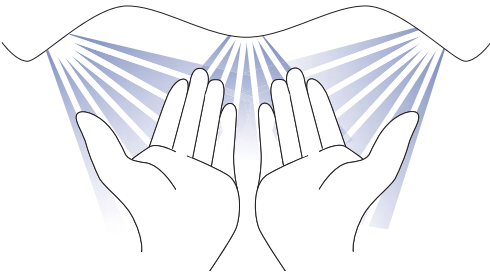
Intelligent Heating

Save money and energy while not compromising on comfort. The 3D Smart Dry automatically adjusts the heater depending on the ambient temperature of the air surrounding the dryer. This means that in cold temperatures you have a comfortable hand drying experience and in the warmer weather you can reduce your energy consumption and save money.

Ambient Room Temp	Heater Power	Total Power
10°C	800W	1300W
15°C	600W	1100W
20°C	400W	900W
25°C	200W	700W
25°C+	OFF	500W

3D Drying

Air jets from three different angles surround your hands and ensure they are dried evenly and quickly. Because the air speed is so high it dries your hands in under 10 seconds. This faster hand drying time means even more energy and money saved.



Hygienic Filters

This is the latest model of the Biodrier hand dryer range which includes an easy to change Antibacterial Filtration System for the safe and clean delivery of air. The filter cartridge is easy to replace and can be completed by the user without the need to call out a technician.

Tough & Long Lasting

The 3D Smart Dry is ideal if you want a hard working and tough dryer that requires only minimal maintenance. The case is constructed from a durable, heavy duty die cast aluminium moulding that makes it ideal for use in public or busy washrooms. Powered with a long lasting, high speed, brushless motor the life of the Biodrier 3D Smart Dry is almost infinite!

Biodrier 3D Smart Dry Technical Specifications

Item Category	Performance
Operating voltage	220-240Vac, 50 Hz
Air speed	89m/s, 202 m³/h
Air output temp	77°F (25°C) - Ambient temperature 68°F (20°C)
Motor type	31000 rpm, 500 Watts, ICP brushless DC
Heater element	0-800 Watts (Intelligent)
Motor thermal protection	Auto resetting thermostat turns unit off, 240V at 221°F (105°C)- EURO spec
Drying time	Under 10 seconds
Circuit operation	Infrared automatic, self adjusting
Timing protection	18 seconds auto shut off
Drip proof	IP22
Isolation	Class I
Filter	Carbon activated antibacterial filter
Net weight	6.5kg
Unit size	W 330 x H 330 x D 205mm
Finish	Die Cast Aluminium, Powder Coated or Chrome Plated
Decibel rating	80 dba @ 1 mtr
Approvals	CE, WEEE, GreenSpec®

Colour Options



WHITE | BSD83W



CHROME | BSD83C



MATT BLACK | BSD83B

Biodrier BioLite



Powerful Energy Saving

The Biodrier BioLite was chosen independently by the Department of Energy and Climate Change and installed in their London offices for being the most cost effective and energy efficient way to dry your hands.

Heater Control

The Biodrier BioLite gives you the option to have the heater element turned on or off. This is ideal for when the ambient air temperature is low and you want the comfort of warm air. When the heater is not needed, it can be switched off to save even more energy and money.

Cool Design

When the BioLite is activated, Cool Blue LED lights guide the user to the airflow. The sleek modern design and compact size of this hand dryer make it ideal for most washrooms, especially those that have minimal space.



Tested, chosen & used by the **Department of Energy and Climate Change** for being the most cost effective and energy efficient hand dryer.



Department of Energy & Climate Change

Biodrier BioLite Technical Specifications

Item Category	Performance
Operating voltage	220-240Vac, 50 Hz
Air speed	64 m/s (140m³/h)
Motor type	650W adjustable brush type
Heater element	250W thermal protected
Rating power	650W (heater off) 900W (heater on)
Drying time	Under 10 seconds
Circuit operation	Infrared automatic, self adjusting
Timing protection	60 seconds auto shut off
Drip proof	IP22
Isolation	Class I
Net weight	4kg
Unit size	W 240 x H 268 x D 176mm
Finish	Die cast aluminium white/silver/chrome
Decibel rating	76 dba @ 1 mtr
Approvals	CE, WEEE, GreenSpec®



Colour Options



Biodrier Eco



Our Most Popular Dryer!

The Biodrier Eco is ideal for use in small washrooms where you still want efficiency and drying power. The Eco dries hands in under 10 seconds, is very hygienic, efficient and won't break your budget.

It is quieter than a lot of other high speed hand dryers, which can make it suitable for more sensitive areas. We have even used it as the base for our Biobot Children's Hand Dryer! (See p22)

Better For The Environment

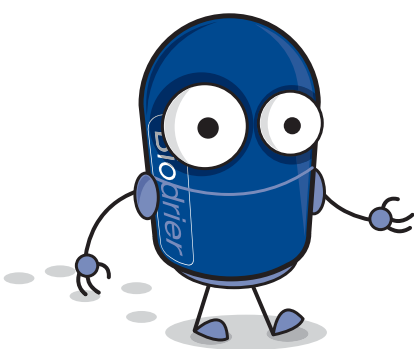
All Biodriers use 90% less energy than conventional hot air hand dryers. The Eco's vital statistics make it an obvious choice for facilities and purchasing managers looking for a cost-effective long term solution.

Durable & Low Maintenance


Similar to the BioLite, the Biodrier Eco is made from strong die cast aluminium making it a very durable hand dryer. It also requires very little maintenance. A quick clean of the outer casing with a damp cloth is all you need, making it a great choice for busy workplaces, businesses and public areas.

The Finishing Touch

Produced in three beautiful colours and with a sleek modern design, the Biodrier Eco adds the finishing touch to any washroom.



Biodrier Eco Technical Specifications

Item Category	Performance
Operating voltage	220-240Vac, 50 Hz
Air speed	64 m/s (140m³/h)
Motor type	650W adjustable brush type
Heater element	250W thermal protected
Rating power	900W
Drying time	Under 10 seconds
Circuit operation	Infrared automatic, self adjusting
Timing protection	60 seconds auto shut off
Drip proof	IP22
Isolation	Class I
Net weight	4.5kg
Unit size	W 280 x H 300 x D 175mm
Finish	Die cast aluminium white/silver/chrome
Decibel rating	76 dba @ 1 mtr
Approvals	CE, WEEE, 



Than a conventional
hot air hand dryer

Colour Options



CHROME | BEo8C



SILVER | BEo8S

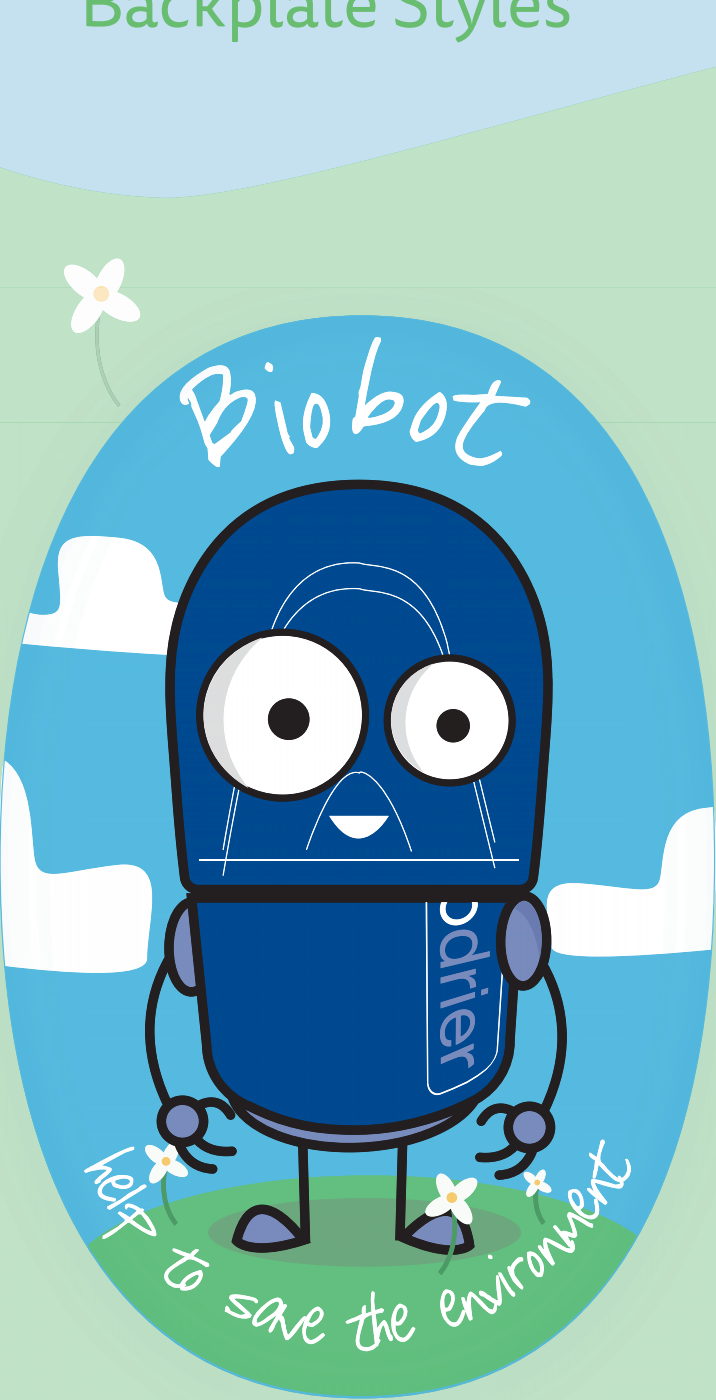


WHITE | BEo8W

Biodrier Biobot

Faster, Friendlier & More Efficient
Hand Dryer For Children

Backplate Styles



Biobot 1 | BB08-1



Biobot 2 | BB08-2

Biobot Eco Dryer

The new fun way of introducing children to drying their hands and they can help save the planet too!

Environmental Message

Biobot consumes just 10% of the energy used by a conventional hand dryer and has a whopping 98.5% saving over paper towels.

By teaching children the benefits of using energy efficient products they will help reduce our carbon footprint, which will provide a better environment for their future and the generations to come.

Every Biobot hand dryer comes with a colourful backboard that has an energy saving message. The back board is durable and can be wiped clean as part of the every day maintenance of the washroom.

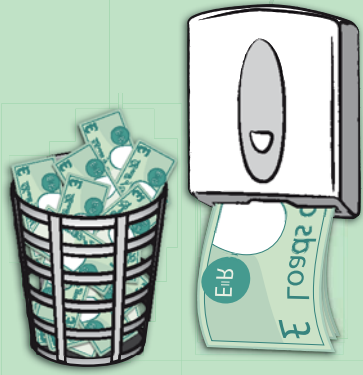
Learning Good Hygiene Habits

Having received feedback from teachers in several schools since the Biobot has been installed, we know the Biobot encourages children to wash and thoroughly dry their hands much more regularly. Proper hand hygiene can limit the spread of illnesses and keep classroom attendance high.

High speed hand dryers can be a bit scary for young children to use. Biobot introduces children to hand drying with a friendly face and a lower decibel rating, allowing children to get used to high speed hand dryers in a familiar environment.


Keep The Bursar Happy!

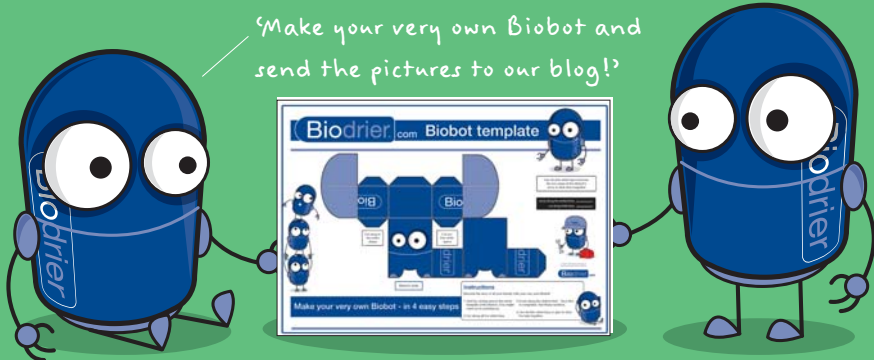
The Biobot has not sacrificed any of its high performance for its good looks. Built using the Biodrier Eco it has fantastic energy efficiency. The savings you can make from switching from hand towels or a traditional hot air dryer are quite significant.

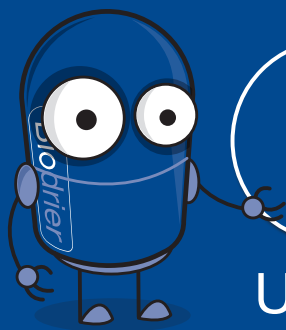


Cost Per	Paper Towels	Conventional Dryer	Biobot Dryer
1 Dry	£0.02	£0.002	£0.0003
150 dries	£3.00	£0.30	£0.045
Year	£1095	£109.50	£16.42
Saving	£1078.58	£93.08	-

Biodrier Biobot Technical Specifications

Item Category	Performance
Operating voltage	220-240Vac, 50 Hz
Air speed	64 m/s (140m³/h)
Motor type	650W adjustable brush type
Heater element	250W thermal protected
Rating power	900W
Drying time	Under 10 seconds
Circuit operation	Infrared automatic, self adjusting
Timing protection	60 seconds auto shut off
Drip proof	IP22
Isolation	Class I
Net weight	4.5kg
Unit size	W 280 x H 300 x D 175mm
Finish	Die cast aluminium - blue
Decibel rating	76 dba @ 1 mtr
Approvals	CE, WEEE, 





Biodrier

Ultra high-speed hand dryers

www.biodrier.com

GreenSpec®



Biodrier is part of FW3 Ltd

FW3 Ltd, West Hill, Exeter, Devon, EX11 1LQ, United Kingdom

Tel: +44 (0)1404 814292 • Fax: +44 (0)1404 811856 • Email: enquiries@fw3group.com

www.fw3group.com