Fast to dry hands hygienically with HEPA filtered air.
Why do we put up with products that don’t work properly?

In 1907, paper towels were introduced to washrooms. The electric hand dryer made its first appearance in 1948. But both have changed little since – they can still be expensive, unhygienic and harmful to the environment.

At Dyson, our engineers didn’t think that was good enough. So in 2006, they put a century of poor performing hand drying methods to rest – with the invention of Airblade™ technology.
The problems with paper towels

Some paper towels may have a high impact on the environment and cause extra maintenance through mess and blockages. This can make them very expensive.

And because dispensers may be found empty leaving no way to dry hands, paper towels can create hygiene issues beyond the washroom.

Did you know?
Ensuring hands are dry is crucial for maintaining hygiene levels, as damp hands can spread up to 1,000 times more bacteria to the surfaces they touch.¹

The problems with other hand dryers

Warm air dryers
Warm air dryers are slow. Which means they’re energy hungry, expensive to run and unhygienic.
Dry times can take up to 30 seconds, so many users give up before their hands are dry – risking increased spread of bacteria.

Jet dryers
Other jet dryers might look like a Dyson Airblade™ hand dryer. But without patented Airblade™ technology and HEPA filters as standard, their performance is not the same. Thanks to weak motors, most other jet dryers can’t generate the fast airflow needed to dry hands quickly. They can also lack the power required to draw the air through a HEPA filter.
So most other jet dryers aren’t just slower than Airblade™ technology, they’re less hygienic too.
Have you ever looked inside a drain tank?
Some hand dryers collect waste water using drain tanks. But these are unhygienic – providing the perfect breeding ground for bacteria.

Drain tanks must be emptied and cleaned regularly – adding time and effort to the washroom maintenance process, and risking spillage of waste water during disposal.

Did you know?
In recent testing, Dyson microbiologists detected greater levels of bacteria in a drain tank than levels that can be found in the average household toilet.*

* Sources: Dyson in-house testing, 2015; Scott et al., 2009; Madrano-Felix et al., 2010.
Dyson Airblade™ hand dryers work differently

**Dyson digital motor V4**

Sometimes conventional motors are bulky, slow and can be inefficient. They can also rely on carbon brushes, which wear out over time. The Dyson digital motor V4 is different. It’s both compact and powerful, and instead of old-fashioned carbon brushes, it uses digital pulse technology to spin up to three times faster than a conventional motor.

**HEPA filter**

Bacteria and viruses in washrooms can cause colds, flu, sickness, diarrhoea or worse. Dyson Airblade™ hand dryers have HEPA filters installed as standard, which capture 99.95% of particles the size of bacteria from the washroom air. So hands are dried with cleaner air, not dirty air.
Airblade™ technology

Every second, the Dyson digital motor V4 draws in up to 30 litres of air through a HEPA filter, and forces it through apertures up to 0.8 mm wide. The result – up to 430 mph sheets of filtered air that scrape water from hands, drying them quickly and hygienically.

No other hand dryer has this technology
Some hand dryers are too slow
Testing based on NSF Protocol P335 shows that most other hand dryers are much slower than their manufacturers claim – with dry times based on drying hands without a HEPA filter. Many people give up when using a slow hand dryer. But damp hands can spread up to 1,000 times more bacteria than dry hands.

Dyson Airblade™ hand dryers

30 sec
Up to 30 sec

No HEPA filter as standard
Dyson hand dryers are fast

Testing based on NSF Protocol P335 shows that Dyson Airblade™ hand dryers are fast. Every second, up to 30 litres of air is forced through apertures up to 0.8 mm wide. The result – up to 430 mph sheets of air that scrape water from hands, drying them quickly and hygienically.
Airblade™ technology is fast and hygienic

These are the reasons why:

- Dyson digital motor V4
- HEPA filter
- 10-14 second dry time
- No drain tank
- Antibacterial additive
- No heating element
- Touch-free operation

Damp hands can spread up to 1,000 times more bacteria than dry hands.¹
Hygienically drying hands is as important as washing them. Bacteria and viruses deposited by hands onto surfaces can survive for several hours. When others touch these contaminated surfaces, they can be transferred. Damp hands can spread up to 1,000 times more bacteria than dry hands.¹ It’s why it’s important that hands are dried properly.

Hygienic hand dryers

Dyson Airblade™ hand dryers use HEPA filters. 99.95% of particles the size of bacteria are captured from the washroom air. So hands are dried in 14 seconds or less using cleaner air, not dirty air. Both the Dyson Airblade V hand dryer and the Dyson Airblade dB hand dryer contain an antibacterial additive which can help prevent the growth of bacteria.

Dyson hand dryers are globally certified as hygienic by HACCP International

Certified by HACCP International. The Dyson Airblade dB hand dryer and the Dyson Airblade Wash+Dry hand dryer have been certified for use in food preparation environments.

Other hand drying methods can be more expensive to run

Paper towels need constant restocking and disposal. Most other hand dryers are slow. They can be energy-hungry too.

£1,460 per year

£157 per year
Low running costs
Dyson Airblade™ hand dryers cost up to 80% less to run than other hand dryers, and up to 98% less than paper towels.²

£40 per year²
£31 per year²
£34 per year²

¹ Electricity prices as of April 2017.
For calculations visit www.dyson.co.uk/calcs.
Higher impact on the environment
Dyson Airblade™ hand dryers produce up to 80% less CO₂ than some other hand dryers and up to 81% less than paper towels.³

17.1g CO₂ per dry³

16.8g CO₂ per dry³
Low impact on the environment

Dyson Airblade™ hand dryers have a lower environmental impact across measures including carbon emissions and energy consumption. They are the only hand dryer certified by the Carbon Trust.

3.7g CO₂ per dry

3.3g CO₂ per dry

3.6g CO₂ per dry

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1 The environmental impact of electrical appliances and paper towels was measured by Carbon Trust. The calculations were produced using the software Footprint Expert Pro, based on product use over 5 years and using weighted averages of individual countries of use. Dry times for product were evaluated using DTM 769.
PAPER TOWELS HAVE A HIGH IMPACT ON THE ENVIRONMENT

1. **DEFORESTATION**
   Trees are a major source of pulp for virgin paper towel production. Cutting down trees can result in loss of habitat.

2. **TIMBER TRANSPORTATION**
   Timber has to be transported from forests to the paper mill.

3. **WASTE**
   Most used paper towels cannot be recycled. They are put into plastic bin liners which have to be stored.

FROM CUTTING DOWN TREES, THROUGH TO CHEMICAL PROCESSES AND DISPOSAL – USING PAPER TOWELS HAS A SIGNIFICANT IMPACT ON THE ENVIRONMENT.
Often, paper towels end up in landfill or incinerated.

3  WATER INTENSIVE PROCESS
A high volume of water is used throughout the paper towel production.

4  CHEMICAL PROCESSES
Chemicals, such as chlorine and sulfur dioxide, are used in the manufacturing process of paper towels.

7  END OF LIFE DISPOSAL
Stored waste is collected and taken away for disposal.
Only Dyson Airblade™ hand dryers have all these benefits.

10-14 second dry time.
Hygienic.
HEPA filter as standard.
Costs less to run.
Better for the environment.
5 year guarantee.
5 year guarantee.
Unrivalled service.

Test. Test. Test.
Dyson Airblade™ hand dryers are engineered to last. They have been repeatedly tested for durability and resilience to physical abuse. They have also been exposed to real-life environments to ensure that they can withstand the pressures of high usage.

 Guarantee
Thanks to this rigorous testing regime, all factory parts on Dyson Airblade™ hand dryers are guaranteed against original defects in materials and workmanship for 5 years.

 Aftersales support
But if anything does go wrong with your machine, we provide repair and maintenance support through Dyson service engineers and self-service spare parts. Reducing downtime and disruption to your facilities.

**Dyson Airblade dB hand dryer**
5 year parts, 1 year labour guarantee.

**Dyson Airblade V hand dryer**
5 year parts guarantee, easy self-service.

**Dyson Airblade Wash+Dry hand dryer**
5 year parts and labour guarantee.
The most hygienic hand dryer is 35% quieter.\textsuperscript{4}

35% quieter
With reprogrammed digital motor technology and precision air apertures, loudness testing shows that the Dyson Airblade V hand dryer is 35% quieter than its predecessor.

More room. Less hassle.
With a slim, compact profile that protrudes just 10 cm from the wall, the Dyson Airblade V hand dryer takes up less space in the washroom. While its easy-mount backplate allows for easy, self-service installation, maintenance and replacement.

For full product details visit www.dyson.co.uk

Certified by Quiet Mark
The Noise Abatement Society tested and approved the decibel levels and sound quality of the Dyson Airblade V hand dryer – awarding it the Quiet Mark. The Quiet Mark has been developed in response to public health concerns over the psycho-physiological effects of excessive or invasive sound produced by appliances.

\textsuperscript{4}Loudness reduction compared to the original Dyson Airblade V hand dryer.
The View from The Shard

“The Dyson Airblade V hand dryers have a modern and sleek design that fits the general design of ‘The View from The Shard’ very well. Guests have told us they like the power and speed of the machines. We are very proud to be amongst the first to have these hand dryers.”

Sandy Clark,
Operations Director.
The fastest, most hygienic hand dryer.

Fast drying
The original Dyson Airblade dB hand dryer produces sheets of air travelling at up to 430 mph. They scrape water from the front and back of hands simultaneously, drying hands in just 10 seconds.

Safe for the food sector
The Dyson Airblade dB hand dryer has been approved for use in food preparation environments by HACCP International.

For full product details visit www.dyson.co.uk
Gloucester Services

“Although we had a wide range of hand dryers to choose from, our sister station has had its Dyson Airblade™ hand dryers for over 5 years and they still only have positive things to say.”

Joshua Jackson,
Facilities Manager.
Airblade™ hand drying technology in a tap.

Wash and dry hands at the sink.
No waste water on the floor.
With Airblade™ technology in a tap, hands can be dried at the sink in just 14 seconds. There’s no need for users to move to a separate drying area, so less water is dripped on the floor.

Free up your washroom.
Other hand drying methods take up valuable wall and floor space. With the Dyson Airblade Wash+Dry hand dryer, there’s room for extra toilet cubicles and other facilities.

For full product details visit www.dyson.co.uk

Certified by Quiet Mark
The Noise Abatement Society approved the decibel levels and sound quality of the Dyson Airblade Wash+Dry hand dryer – awarding it the Quiet Mark. The Quiet Mark has been developed in response to public health concerns over the psycho-physiological effects of excessive or invasive sound produced by appliances.
Coca-Cola London Eye
“As an iconic global landmark, The London Eye needs to meet high expectations of quality – and that extends to our washrooms. Installing the Dyson Airblade Tap hand dryer has allowed us to achieve this.”

Davey Barrett,
Show Services Manager.
The range

The fastest, most hygienic hand dryer.

10 second dry time.
HEPA filter captures 99.95% of particles the size of bacteria.
Tested and certified by NSF International.
Certified for use in food environments by HACCP International.
Costs just £40 to run per year.²
Small carbon footprint.
Tough and durable.
Touch-free operation.
Contains antibacterial additive.

The most hygienic hand dryer is 35% quieter.¹

Certified by Quiet Mark.
HEPA filters capture 99.95% of particles the size of bacteria.
Tested and certified by NSF International.
12 second dry time.
Costs just £31 to run per year.²
Small carbon footprint.
Slim profile – just 10 centimetres deep, no recessing required.
Touch-free operation.
Easy to service. Safe electrical disconnect.
Contains antibacterial additive.

The Carbon label is a trademark of the Carbon Trust.
HACCP International non-food certification mark is the registered trademark of HACCP International.
HACCP International have certified Dyson products based on their recommended installation and operating conditions. Quiet Mark is a registered trademark of the Noise Abatement Society.
Airblade™ hand drying technology in a tap.

Wash and dry hands at the sink.
No waste water dripped on the floor.

Certified by Quiet Mark.

Saves space.

Saves water.\(^5\)

Costs as low as £34 to run per year.\(^2\)

HEPA filter captures 99.95% of particles the size of bacteria.

Certified for use in food environments by HACCP International.

Automatic water flush, activates after 24 hours – helps reduce water stagnation.

Small carbon footprint.\(^3\)

14 second dry time.

\(^1\)Loudness reduction compared to the original Dyson Airblade V hand dryer.
\(^2\)Electricity prices as of April 2017. For calculations visit www.dyson.co.uk/calcs.
\(^3\)The environmental impact of electrical appliances and paper towels was measured by Carbon Trust. The calculations were produced using the software Footprint Expert Pro, based on product use over 5 years and using weighted averages of individual countries of use. Dry times for product were evaluated using DTM 769.
\(^4\)Reduction in water compares 4 l/min aerator fitted as standard to the Dyson Airblade Tap hand dryer to 1.9 l/min aerator fitted to Dyson Airblade Wash+Dry.
See what Dyson technology can do for your business.
www.dyson.co.uk