

# dyson airblade

The fastest, most hygienic hand dryers.

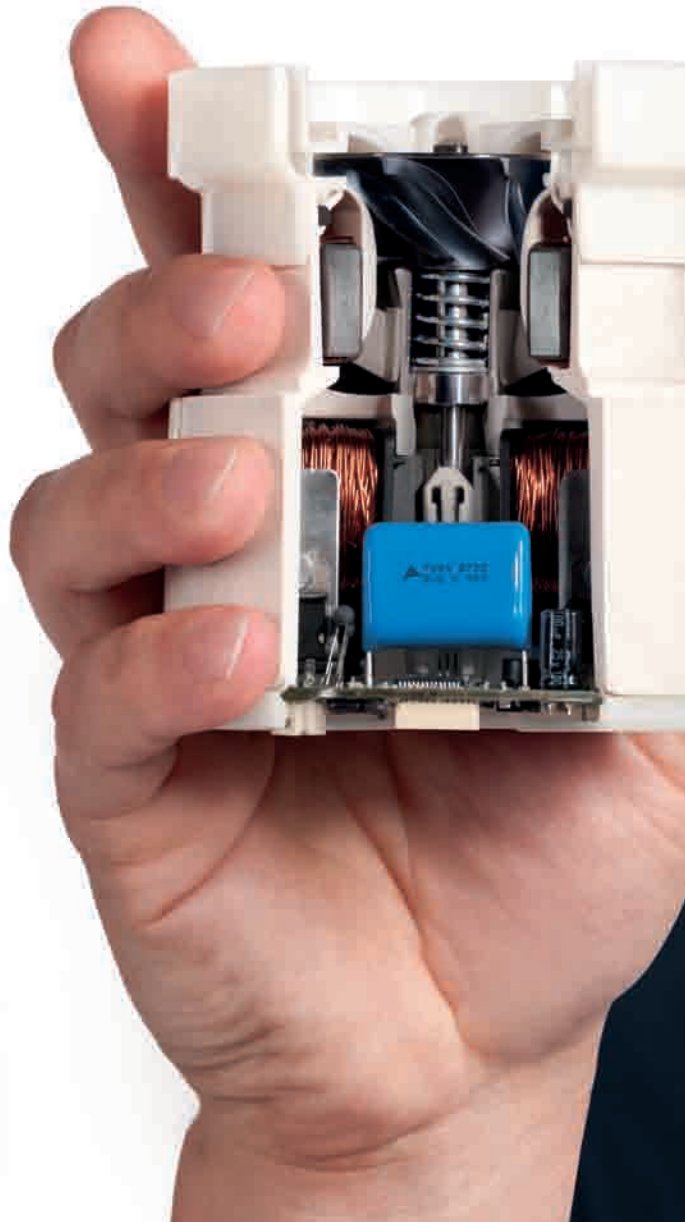


“It’s been seven years in the making but we’ve now achieved something quite revolutionary in motor design – one of the world’s smallest fully-integrated 1600W motors.

It was just the starting point for our latest hand drying technology.”

**James Dyson**

Inventor





Powered by the latest  
Dyson digital motor

# dyson airblade<sup>Mk2</sup>





Concentrated Airblade™  
hand drying technology

# dyson airblade V





Airblade™ hand drying  
technology in a tap

# dyson airblade tap







**43 sec**



**Other hand dryers are too slow**  
Testing based on NSF Protocol P335 shows that most other hand dryers are much slower than claimed by their manufacturers. 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.

**10 sec**



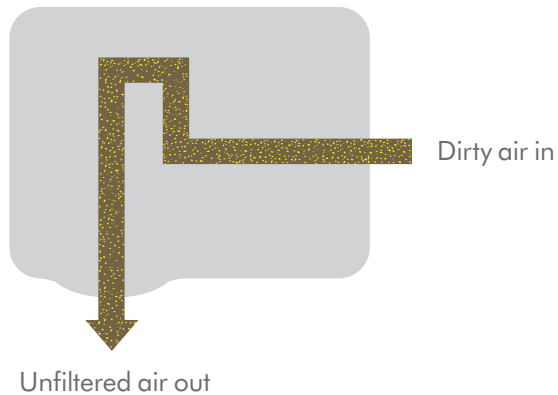
**10 sec**



**12 sec**



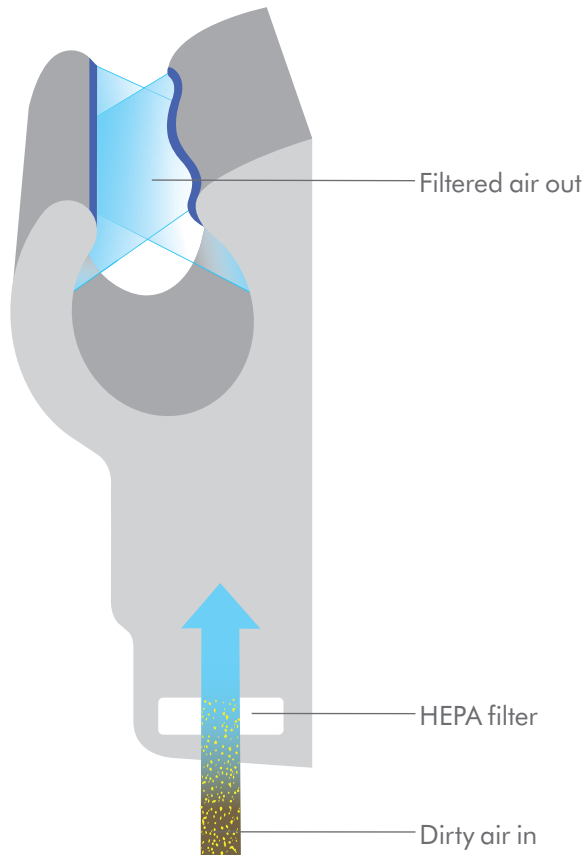
**Dyson hand dryers are the fastest**  
Testing based on NSF Protocol P335,  
proves that Dyson Airblade™ hand  
dryers are the fastest. Every second,  
up to 30 litres of air are forced  
through apertures up to 0.8mm wide.  
The result – 690km/h sheets of air that  
scrape water from hands, drying them  
quickly and hygienically.



### **Other hand dryers are unhygienic**

They don't filter bacteria and viruses from the washroom air. They suck in dirty air then blow it back onto hands.

Also, some hands in hand dryers use a water collection vessel. If not cleaned properly these can present a risk of contamination and bacterial multiplication.



**The most hygienic hand dryers**  
Dyson Airblade™ hand dryers use HEPA filters. 99.9% of bacteria and viruses in the washroom air are captured. So hands are dried using cleaner air, not dirty air.

**Also, there is no water collection vessel which requires thorough, regular cleaning.**

**\$1,460**  
per year



**\$157**  
per year



**Other hand drying methods  
are expensive to run**

Paper towels need constant restocking and disposal. Most other hand dryers are slow so they're energy hungry.

**\$40**  
per year



**\$43**  
per year



**\$48**  
per year



**Low running costs**  
Dyson Airblade™ hand dryers  
cost up to 69% less to run than  
other hand dryers, and 97%  
less than paper towels.<sup>1</sup>

<sup>1</sup> For calculations visit [dysonairblade.com.au/calcs](http://dysonairblade.com.au/calcs)



**High impact on the environment**  
Dyson Airblade™ hand dryers  
produce up to 72% less CO<sub>2</sub> than  
some other hand dryers and 68%  
less than paper towels.<sup>1</sup>

<sup>1</sup> Based on LCA results of Dyson Airblade™ hand dryer with method developed in conjunction with Carbon Trust, and comparable results from T. Montalbo, J. Gregory, R. Kirchain. Life Cycle Assessment of Hand Drying Systems. A Dyson commissioned study 2011. Data taken from U.S environmental statistics including electricity grid mix and recycling practices.



**5.0g**  
per dry



**5.3g**  
per dry



**5.8g**  
per dry



**Low impact on the environment**  
Dyson Airblade™ hand dryers  
have a lower environmental impact  
across measures including carbon  
emissions and energy consumption.<sup>1</sup>

## **Paper towels cause other problems**

### **Blockages**

Paper towels can clog waste water systems.

### **Overflowing bins**

Soiled towels can end up on the floor of busy washrooms.

### **Empty dispensers**

Dispensers are often left empty leaving no way to dry hands.

### **Expensive to run**

They need constant restocking and disposal.

### **Wasteful**

Used paper towels are rarely recycled, so they end up in landfill or are incinerated.

### **Create mess**

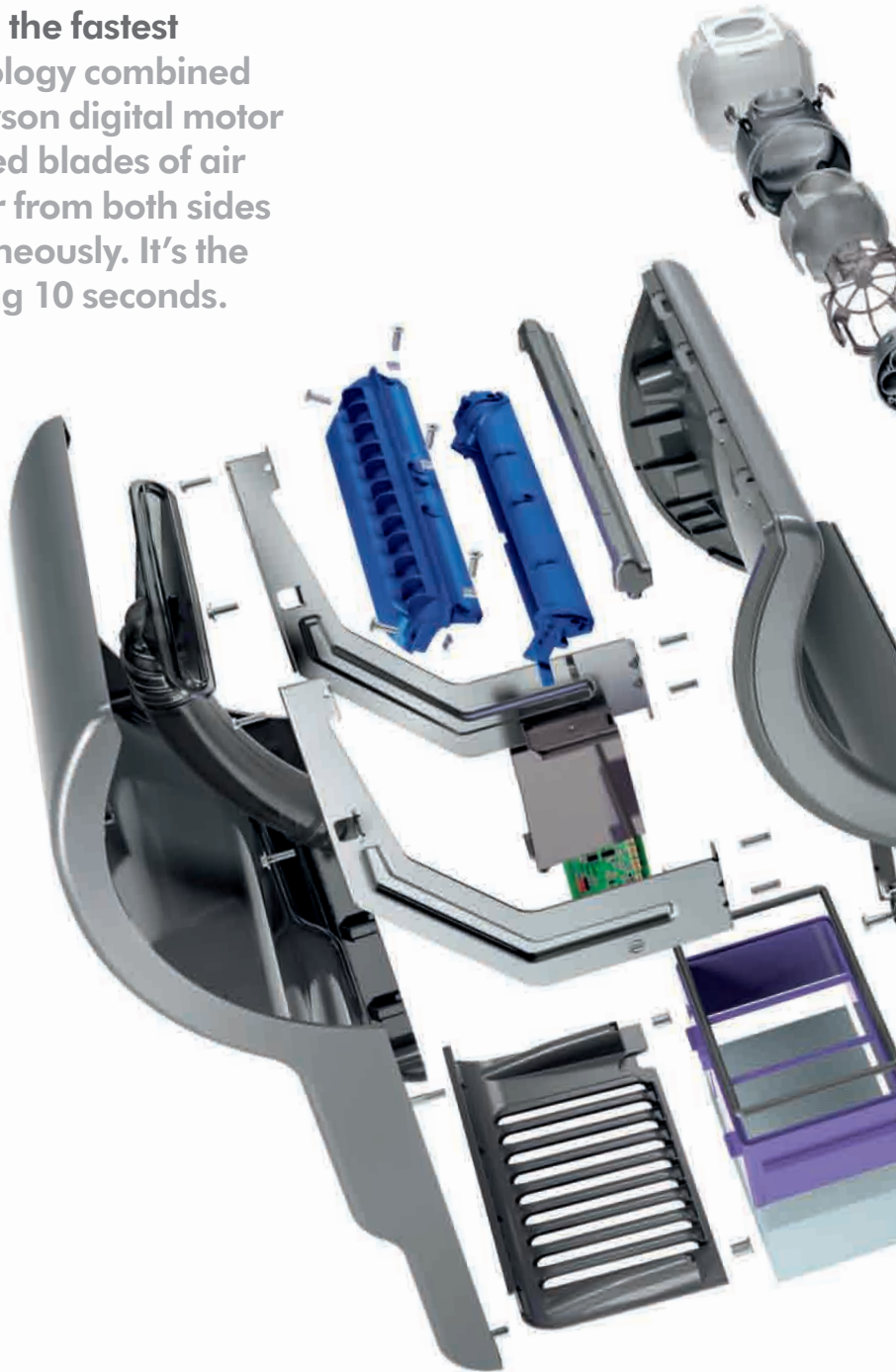
Paper towels are often discarded without care. This can create a negative impression of washroom cleanliness.

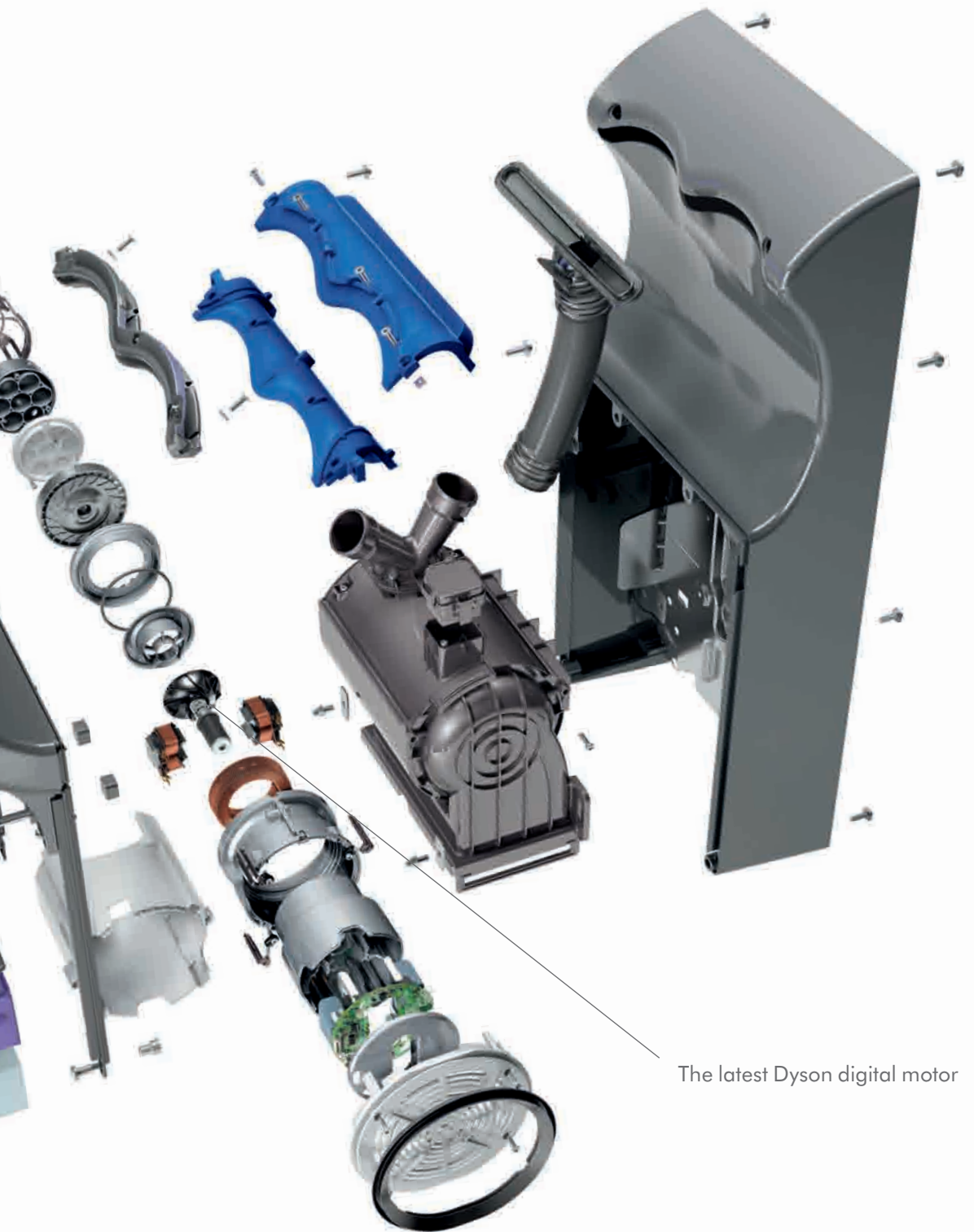




# dyson airblade<sup>Mk2</sup>

Engineered to be the fastest  
Airblade™ technology combined  
with the latest Dyson digital motor  
creates high speed blades of air  
that scrape water from both sides  
of hands simultaneously. It's the  
fastest way, taking 10 seconds.





The latest Dyson digital motor

**The most hygienic hand dryer**  
The Dyson Airblade Mk2 hand dryer dries hands in just 10 seconds. It's the fastest hand dryer. It also has touch-free operation, uses a HEPA filter and has a lifetime antimicrobial coating, which kills up to 99.9% of surface bacteria.

**Approved for use in food environments by HACCP**



## Test. Test. Test.

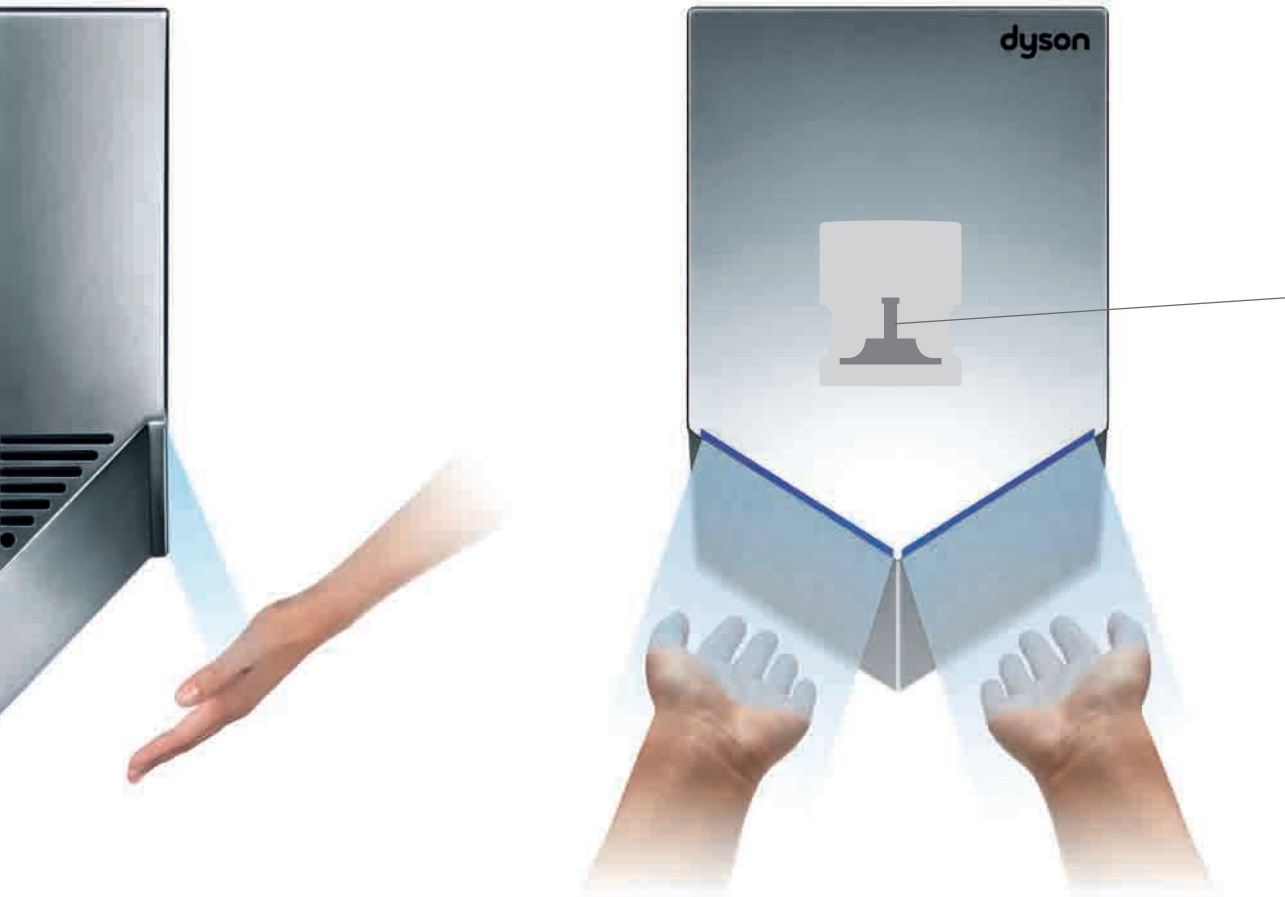
The Dyson Airblade Mk2 hand dryer is engineered to last. It has been repeatedly tested for durability and resilience to physical and chemical abuse. Dyson Airblade Mk2 hand dryers have also been exposed to real-life environments to ensure that they can withstand the pressures of high usage.

With strong construction and robust materials the Dyson Airblade Mk2 hand dryer is suitable for high footfall, high usage locations where vandalism can be an issue.

And because it uses 690km/h sheets of filtered air to dry hands, there is no heating element prone to wear and failure.

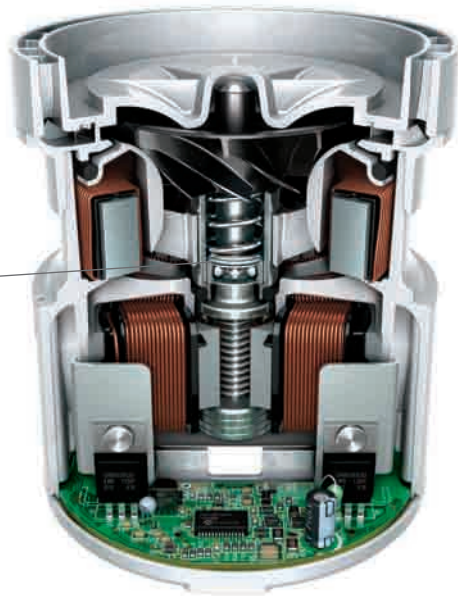


# dyson airblade V



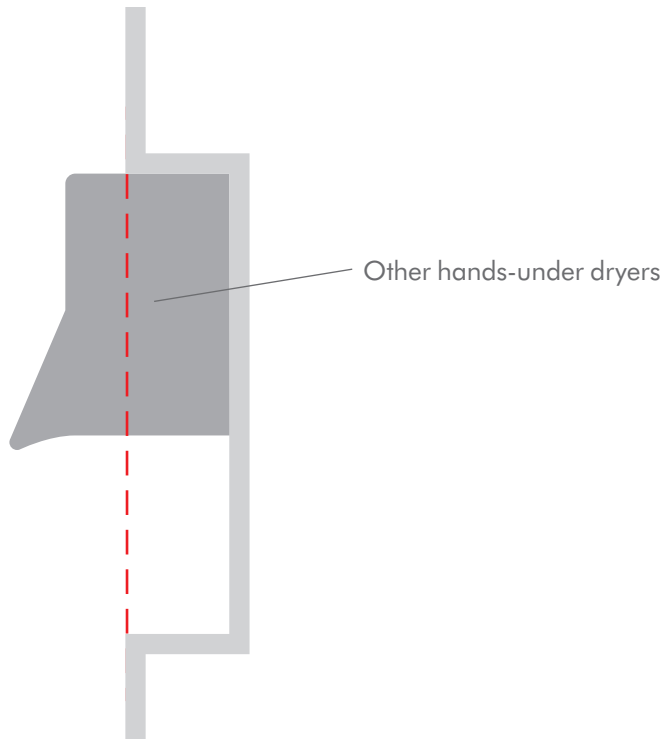
**Concentrated, not compromised**  
Dyson engineers have developed one of the world's smallest 1600W motors, enabling them to build a hand dryer that protrudes just 100 millimetres from the wall. It dries hands hygienically, in 10 seconds.





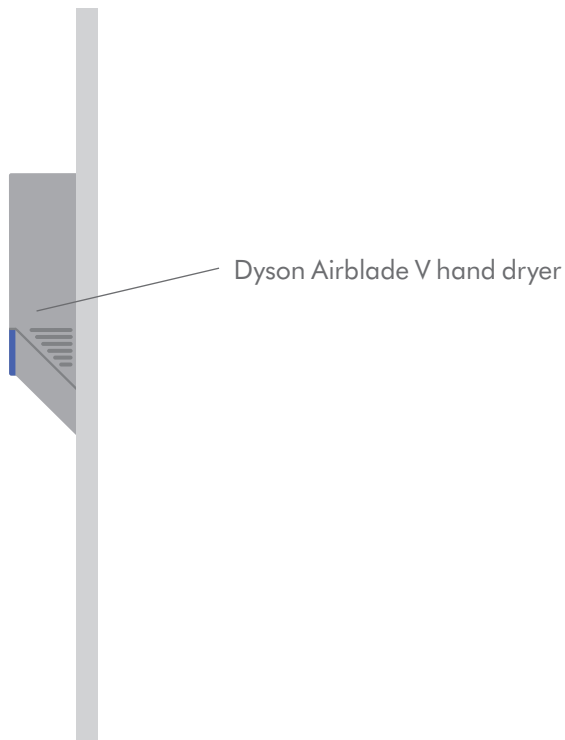
### **The latest Dyson digital motor**

The impeller spins 90,000 times a minute – generating enough power to draw in up to 30 litres of air per second. With fully-integrated mechanical, electrical and aerodynamic systems, it's a high efficiency, power-dense package with a diameter of just 85mm.



### **In the wall**

Because of bulky motors, other hand dryers may protrude too far from the wall. They may have to be recessed into the wall. This can be costly.



### **On the wall**

The Dyson Airblade V hand dryer is just 100 millimetres deep, so it can be installed without recessing and the associated costs.

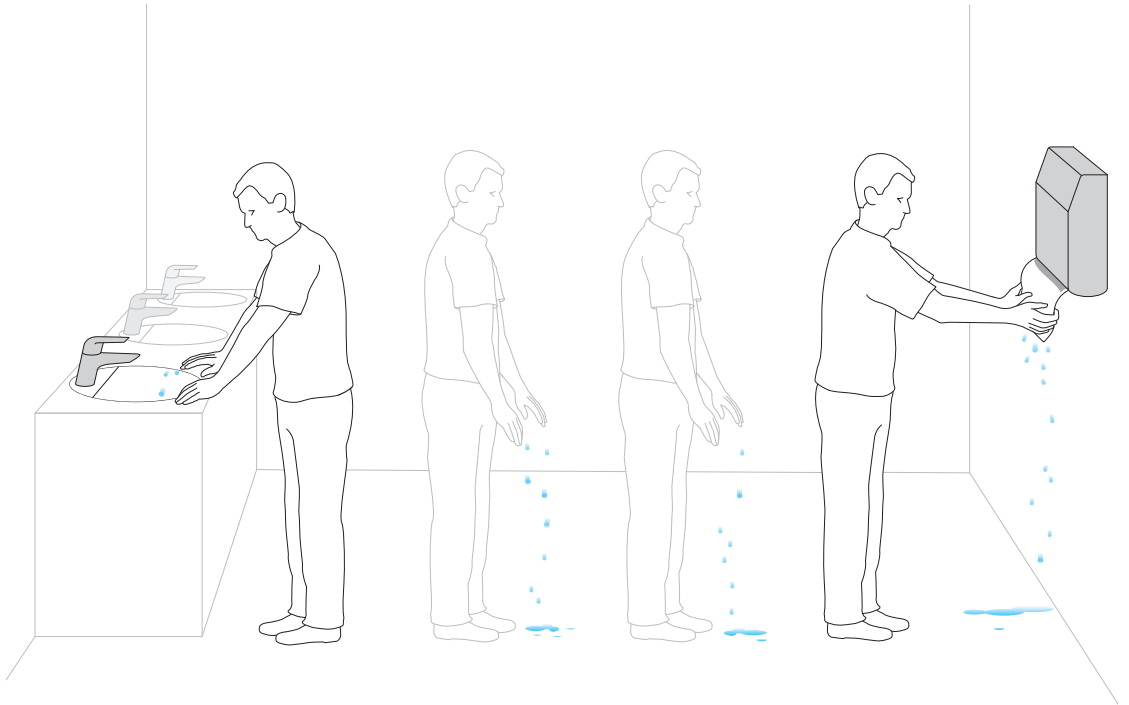
# dyson airblade tap

**Wash and dry hands at the sink**  
With Airblade™ technology in a tap, hands can be dried at the sink in 12 seconds. There's no need to move to a separate drying area.

## **How it works**

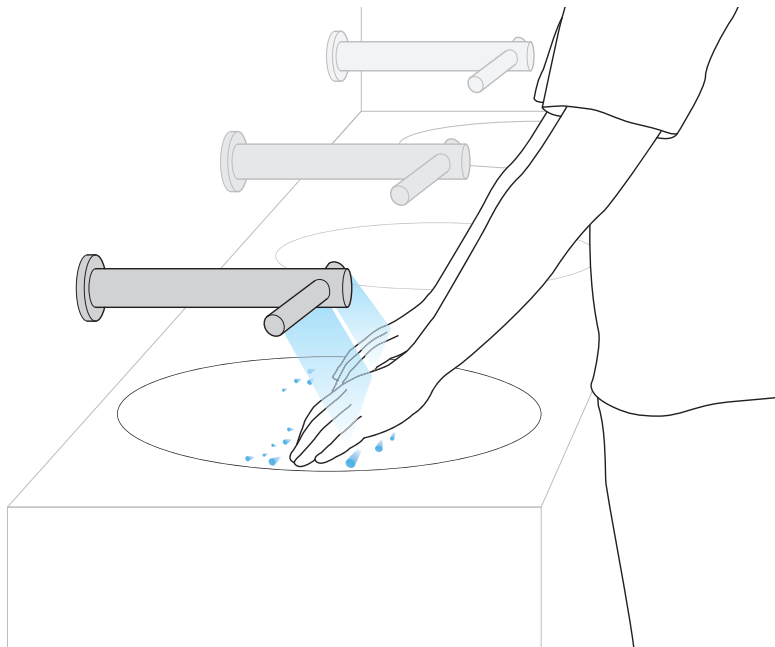
Both water and air are sensor operated so there are no taps to turn, or buttons to touch. Intelligent infrared sensors emit light to pinpoint hand positions. Computer circuitry coordinates the information and initiates the appropriate response of water or air without long delays. It's been tested for 365,000 cycles, and is mains powered, so there are no batteries to run out.





### **Water on the floor**

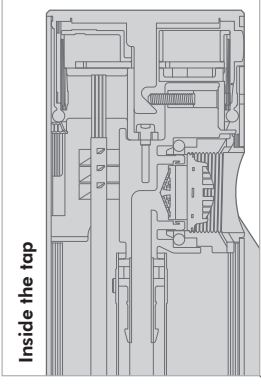
Moving to a separate hand drying area with wet hands means water is often dripped on the floor. This can create problems in the washroom.



## **Water in the sink**

**With the Dyson Airblade Tap hand dryer water isn't dripped on the floor because you don't need to leave the sink with wet hands.**

# Inside the Dyson Airblade Tap hand dryer



## Laser welding

Fully-automated robotic precision cutting and welding allows high quality stainless steel tubes to be used in construction.

## Airblade™ technology

Air travelling at 690km/h exits laser-cut air slots measuring just 0.8mm in width.

## Intelligent water and air infrared sensors

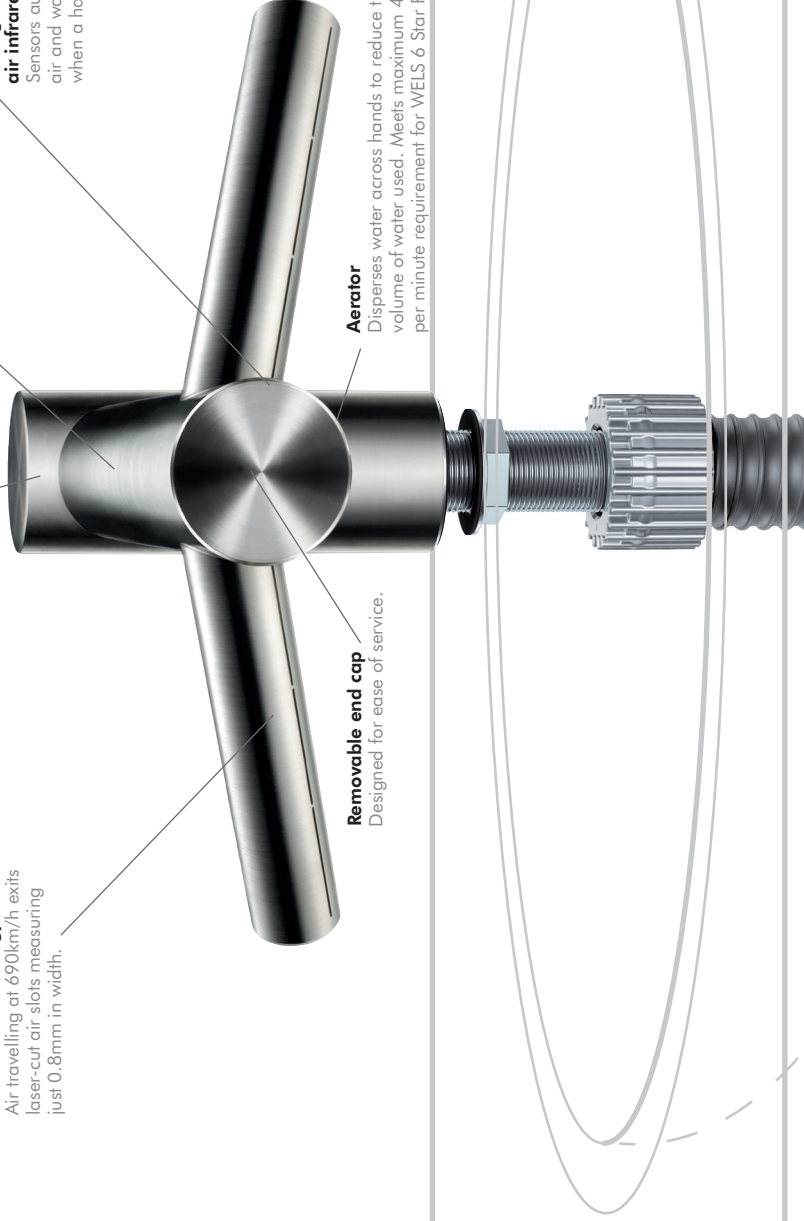
Sensors auto-calibrate so that air and water are only activated when a hand is underneath.

## Aerator

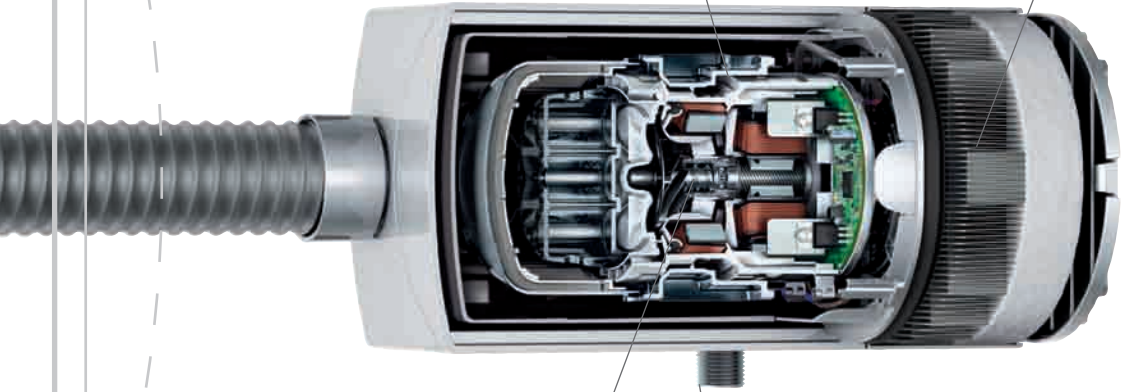
Disperses water across hands to reduce the volume of water used. Meets maximum 4.5 Litre per minute requirement for WELS 6 Star Rating.

## Removable end cap

Designed for ease of service.







**Dyson digital motor**

Spins at 90,000rpm generating enough power to draw up to 30 litres of air per second through a HEPA filter.

**Easy to service motor unit**

Designed for quick disconnect.

**Mains water inlet**

Electronic, sensor-controlled water valve activates when a hand is detected. This starts the water flow.

**Spring-mounted motor**

Motor is mounted using springs to reduce sound and vibration.

**HEPA filter**

HEPA filter captures 99.9% of bacteria and viruses from the washroom air.

# dyson airblade Mk2

AB  
06

AB06 has an aluminium casing for high-impact venues such as airports and nightclubs. It dries hands in 10 seconds.



Silver

AB  
07

AB07 is made from a tough, ABS polycarbonate that is 50% less carbon intensive to manufacture than AB06. It dries hands in 10 seconds.



Grey



White

## Powered by the latest Dyson digital motor

### Fastest, 10 second dry time

Sheets of air travelling at over 690 km/h scrape water from the front and back of hands, simultaneously.

### The most hygienic hand dryer

Fastest dry time. A HEPA filter removes 99.9% of bacteria from the air used to dry hands.

### Costs less to run

Dries 18 pairs of hands for the price of a single paper towel.<sup>1</sup>

### NSF approved

No other hand dryers meet every part of NSF Protocol 335.



### HACCP approved

Hygienically safe for use in the food and beverage industry.



### Small carbon footprint

Dyson Airblade™ hand dryers produce up to 72% less CO<sub>2</sub> than some other hand dryers and 68% less than paper towels.<sup>2</sup>

### Touch-free operation

Infrared sensors operate air.

### Antimicrobial coating

Eliminates up to 99.9% of surface bacteria.

### Tough and durable

Robust, vandal-proof design.

<sup>1</sup> For calculations visit [dysonairblade.com.au/calcs](http://dysonairblade.com.au/calcs)

<sup>2</sup> Based on LCA results of Dyson Airblade™ hand dryer with method developed in conjunction with Carbon Trust, and comparable results from T. Montalbo, J. Gregory, R. Kirchain. Life Cycle Assessment of Hand Drying Systems. A Dyson commissioned study 2011. Data taken from U.S environmental statistics including electricity grid mix and recycling practices.

# dyson airblade V

AB  
12

Suitable for smaller washrooms or tighter spaces. It dries hands in 10 seconds.



Sprayed nickel



White

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## Concentrated Airblade™ hand drying technology

### Slim profile

Protrudes just 100 millimetres from the wall.  
No recessing required.

### 10 second dry time

Sheets of air travelling at over 690km/h scrape water from hands like a windscreen wiper.

### The most hygienic hand dryer

A HEPA filter removes 99.9% of bacteria from the air used to dry hands.

### Costs less to run

Dries 17 pairs of hands for the price of a single paper towel.<sup>1</sup>

### NSF approved

No other hand dryers meet every part of NSF Protocol 335.



### Small carbon footprint

Dyson Airblade™ hand dryers produce up to **72%** less CO<sub>2</sub> than some other hand dryers and **68%** less than paper towels.<sup>2</sup>

### 60% smaller

The same drying performance as the original Dyson Airblade™ hand dryer but 60% smaller.

### Dries each hand separately

V-configuration separates hands, drying them quickly and evenly.

### Touch-free operation

Capacitive sensors activate air.

### Antimicrobial coating

Eliminates up to 99.9% of surface bacteria.

### Easy to service

Safe electrical disconnect.

### Quick to clean

Small surface area. Smooth single piece fascia with CNC machined air slots.

<sup>1</sup> For calculations visit [dysonairblade.com.au/calcs](http://dysonairblade.com.au/calcs)

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# dyson airblade tap

## AB 09 Short

Suitable for minimalistic washrooms, new or fully refurbished. It dries hands in 12 seconds.



## AB 10 Long



## AB 11 Wall



Visit [dysonairblade.com.au](http://dysonairblade.com.au) to download CAD drawings and see technical data

## Airblade™ hand drying technology in a tap

### Wash and dry hands at the sink

Water and air from the tap.

### 12 second dry time

Sheets of air travelling at over 690km/h scrape water from hands like a windscreen wiper.

### The most hygienic hand dryer

A HEPA filter removes 99.9% of bacteria from the air used to dry hands.

### Costs less to run

Dries 15 pairs of hands for the price of a single paper towel.<sup>1</sup>

### Small carbon footprint

Dyson Airblade™ hand dryers produce up to **72%** less CO<sub>2</sub> than some other hand dryers and **68%** less than paper towels.<sup>2</sup>

### No water on the floor

There's no need to leave the sink to dry hands, so water isn't dripped on to the floor.

### Saves space

No separate hand drying area needed.

### Touch-free operation

Intelligent infrared sensors activate water and air.

### Saves water

Controlled water flow rate and sensor operation save water. Meets maximum 4.5 Litres per minute requirement for WELS 6 Star rating.

### Easy to service

Quick to disconnect motor bucket and filter.

### Quick to clean

Smooth stainless steel outer, wipes down directly over the sink – no separate hand dryers to clean.

<sup>1</sup> For calculations visit [dysonairblade.com.au/calcs](http://dysonairblade.com.au/calcs)

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**“As engineers we have to see beyond existing technology and ask ‘is there a better way?’ That’s really what Dyson is all about – new thinking to solve everyday problems.”**

**James Dyson**

Inventor

# dyson airblade

The fastest, most hygienic hand dryers.

For more information or  
to find out how to buy:

Dyson Australia

Visit [www.dysonairblade.com.au](http://www.dysonairblade.com.au)

Call **1800 Hand Dryer/ 1800 426 337**

Dyson New Zealand

Visit [www.dysonairblade.co.nz](http://www.dysonairblade.co.nz)

Call **0800 397 667**

