

**Airblade™ hand drying
technology in a tap**



dyson airblade tap

The fastest, most hygienic hand dryer.

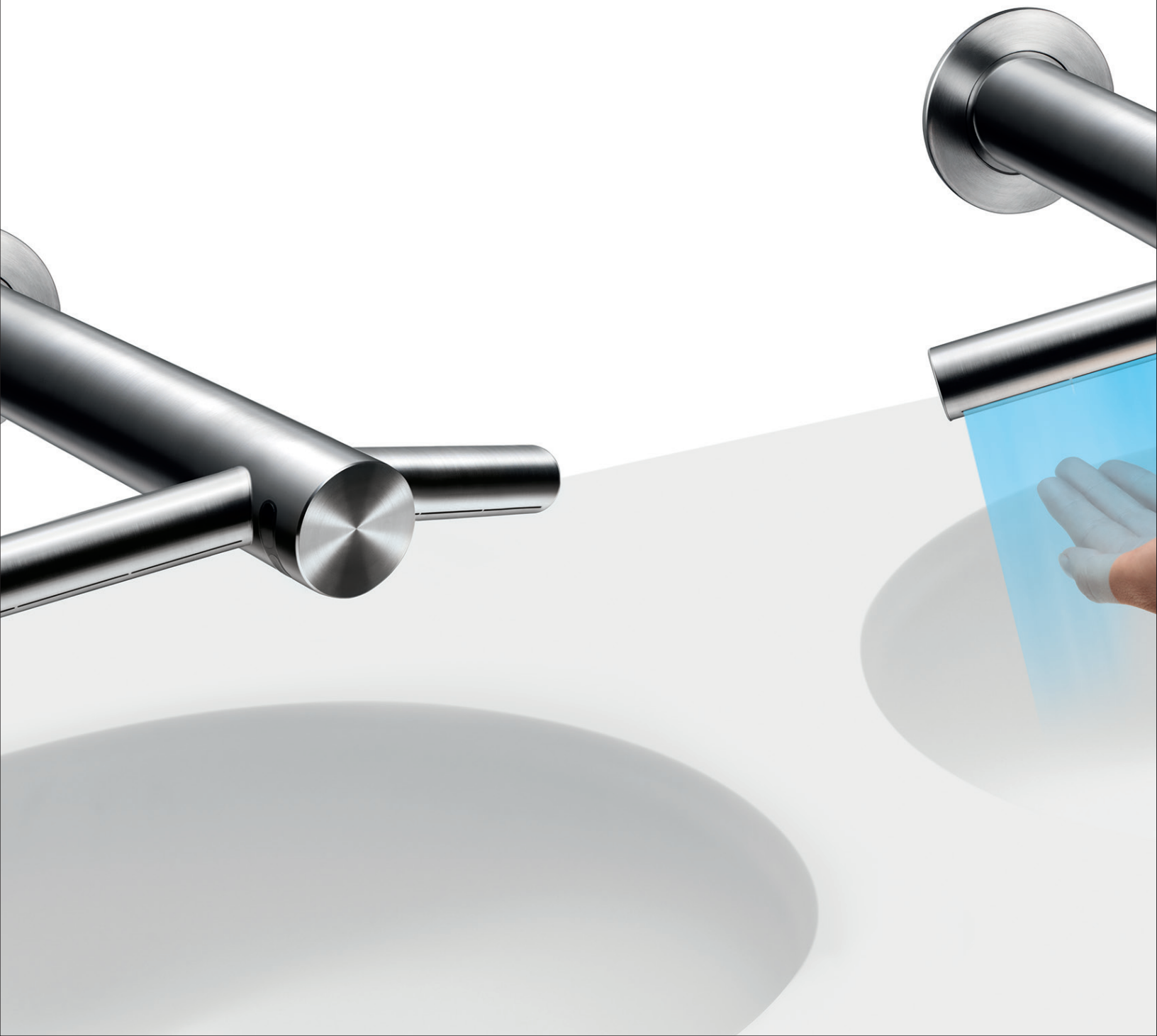


“In restrooms using conventional taps, you’ll need to move to a separate hand drying area, dripping water on the floor as you go. It’s why we’ve developed a tap with our hand drying technology in it.”

James Myson

Inventor

**Hands can be dried
without leaving the sink**





Wash and dry hands at the sink

With Airblade™ technology in a tap, hands can be dried at the sink in 14 seconds. 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.

Intelligent water and air infrared sensors

Sensors auto-calibrate so that air or water is only activated when a hand is underneath the air or water sensor.

Infrared loom

Independent sensors operate water and air separately.

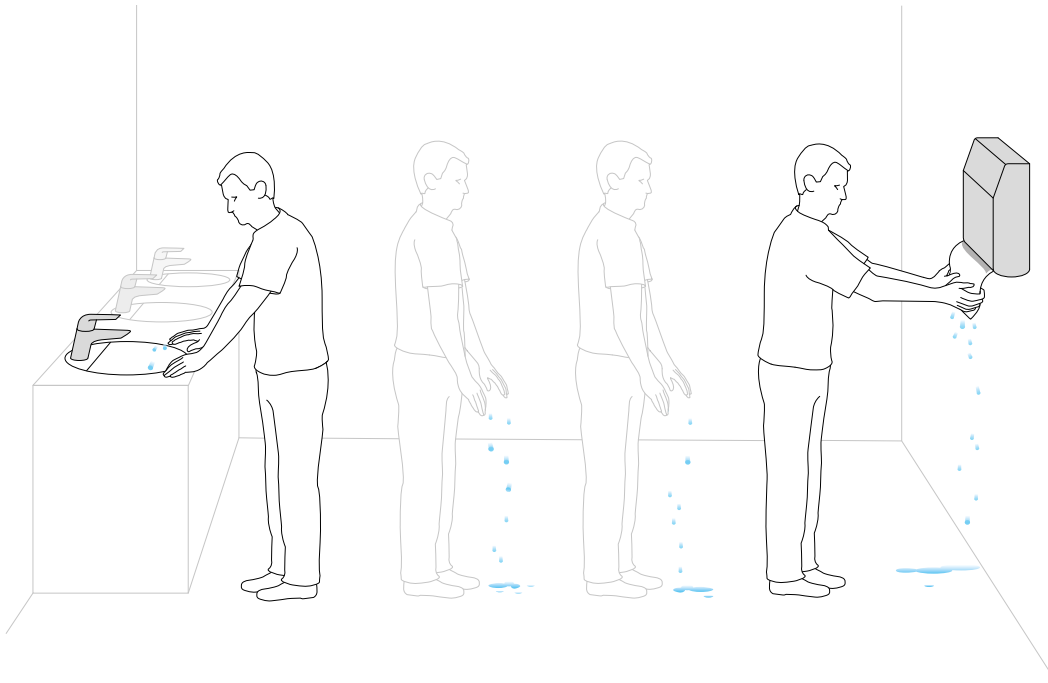


Removable end cap

Designed for ease of service.

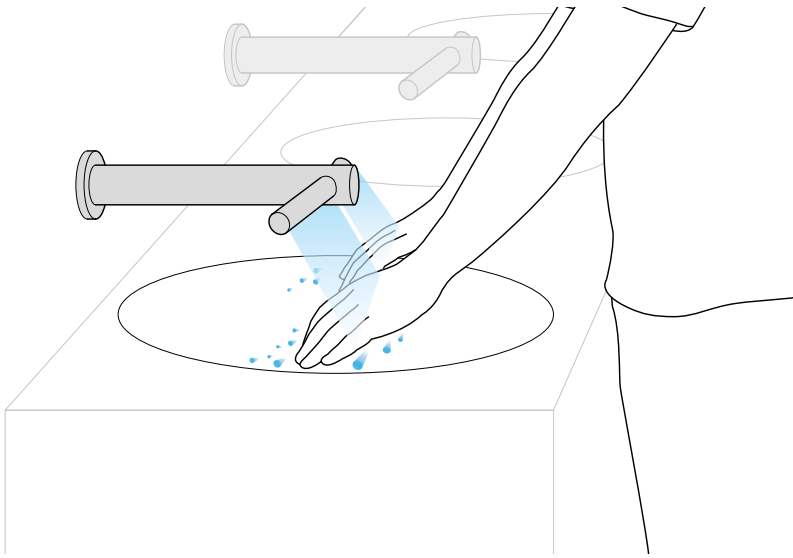
Aerator

Disperses water across hands to reduce the volume of water used.



Water on the floor

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



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.



The conventional way to wash and dry hands is too slow

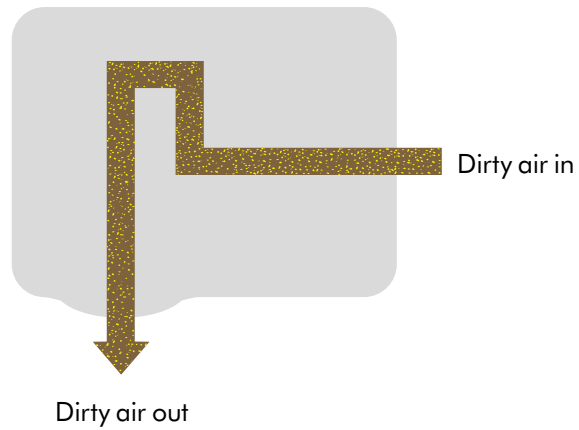
Hand drying facilities are often not located near the sink and dryers can take up to 43 seconds, so people can give up. Damp hands can spread up to 1,000 times more bacteria than dry hands.

14 sec



The fastest way

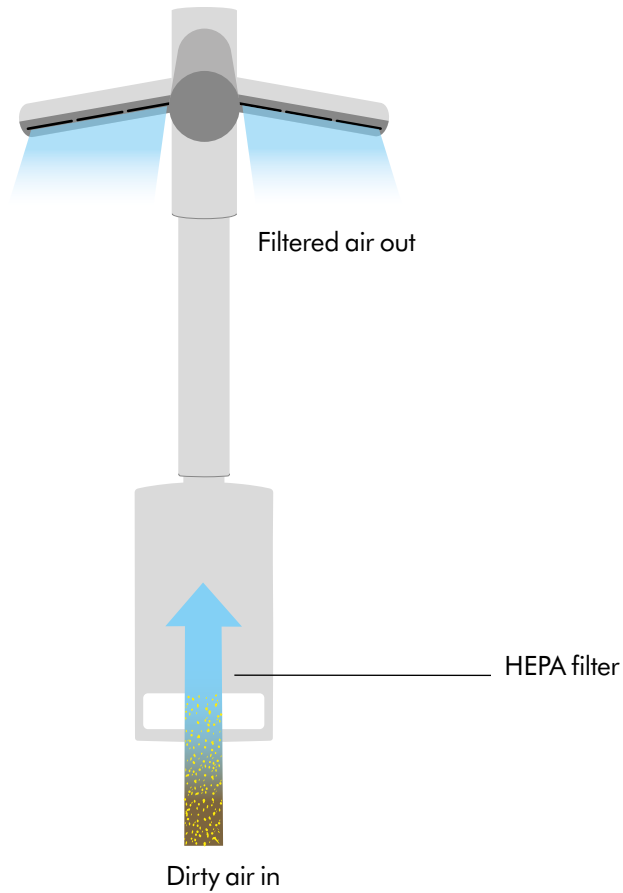
There is no need to leave the sink to use the Dyson Airblade Tap hand dryer. Dries hands in 14 seconds.



Most other hand dryers are unhygienic

They don't filter bacteria from the restroom air.

They suck in dirty air then blow it back onto hands.



The most hygienic hand dryer

Dyson Airblade Tap hand dryer uses a HEPA filter removing 99.97% of bacteria at 0.3 microns from the air used to dry hands. So hands are dried using cleaner air, not dirty air.

\$1,460

per year



\$157

per year



**Most other hand drying methods
are expensive to run**

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

\$48

per year



Lowest running costs

The Dyson Airblade Tap hand dryer costs up to 69% less to run than other hand dryers per year, and up to 97% less than paper towels.¹

And of course there are no separate taps to buy.

¹ For calculations visit www.dysonairblade.com/calcs

17.8g
per dry



15.7g
per dry



High impact on the environment

The Dyson Airblade Tap hand dryer produces up to 67% less CO₂ than some other hand dryers and up to 63% less than recycled paper towels.¹

¹ Based on LCA results of Dyson Airblade™ hand dryers derived by Dyson using 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 and relating to models AB02 and AB04.

5.8g

per dry



Low impact on the environment

The Dyson Airblade Tap hand dryer has a lower environmental impact across measures including carbon emissions and energy consumption.¹

The problem with paper towels

Blockages

Paper towels can clog plumbing systems.

Overflowing trash cans

Used towels can end up on the floor of busy restrooms.

Empty dispensers

Dispensers can be left empty leaving no way to dry hands.

High operating costs

They need restocking and disposal.

Wasteful

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

Create mess

Paper towels can be discarded without care and create a negative impression of restroom cleanliness.

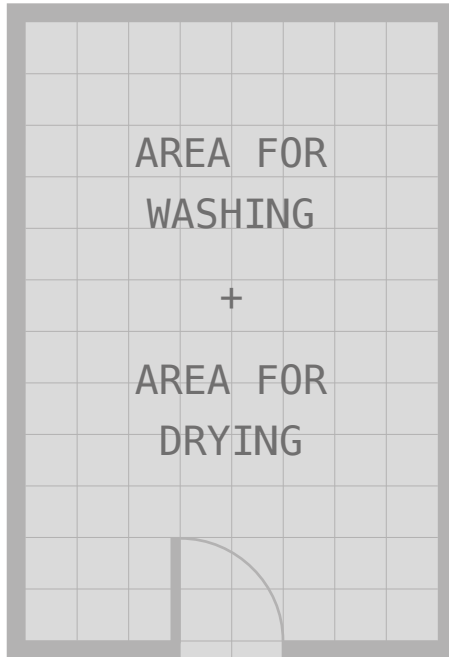


*Recreated to represent a restroom at peak usage.









Separate hand washing and drying areas need more space

Paper towel dispensers and hand dryers take up valuable wall and floor space in public restrooms.



Save space with the Dyson Airblade Tap hand dryer

With no need for additional hand drying areas, room is available for extra toilet stalls to reduce congestion. Or the restroom can be made smaller.

**No other hand dryer
has this technology.**

**That's why it's the fastest,
most hygienic hand dryer.**

- 1 Dyson digital motor V4**
Using digital pulse technology, it spins 92,000 times a minute. It's the only hand dryer motor powerful enough to draw in up to 28 liters of air a second through a HEPA filter, and then dry hands in 14 seconds.
- 2 HEPA filter**
Dirty air is pulled through this, removing 99.97% of bacteria at 0.3 microns from the air used to dry hands. So hands are dried using cleaner air, not dirty air.
- 3 Airblade™ technology**
The air is then forced through two 0.8 mm apertures. The result – two 420 mph sheets of air that scrape water from hands in just 14 seconds.



How it works

- 1 Hands placed under sensors – touch free start.**
 - 2 Dirty restroom air is sucked in by the Dyson digital motor V4.**
 - 3 It passes through a HEPA filter, removing 99.97% of bacteria at 0.3 microns from the air used to dry hands.**
 - 4 The filtered air passes over the electronics, cooling them.**
 - 5 The air then reaches the motor, which channels it up and through the machine.**
 - 6 Air passes into the air hose.**
 - 7 It's then forced through apertures – creating sheets of air traveling at 420 mph.**
 - 8 The sheets of air literally scrape water from hands simultaneously.**
- Hands are dried hygienically in 14 seconds.**

dyson airblade tap

The fastest, most hygienic hand dryer.

Airblade™ hand drying technology in a tap.



AB
09 Short



AB
10 Long



AB
11 Wall

Visit dysonairblade.com/architects to download CAD drawings and see technical data

Wash and dry hands at the sink

Water and air from the tap.

14 second dry time

Sheets of air traveling at 420 mph scrape water from hands like a windshield wiper.

The most hygienic hand dryer

A HEPA filter removes 99.97% of bacteria at 0.3 microns from the air used to dry hands.

Costs less to run¹

Dries 15 pairs of hands for the price of a single paper towel.

Small carbon footprint²

Produces up to 63% less CO₂ per dry than recycled paper towels and up to 67% less than some other warm air hand dryers.

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

Starts and stops automatically. No dirty buttons to press.

Saves water

Controlled water flow-rate and sensor operation save water.

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.

5 year parts and 5 year limited labor warranty

¹ For calculations visit www.dysonairblade.com/calcs

² Based on LCA results of Dyson Airblade™ hand dryers derived by Dyson using 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 and relating to models AB02 and AB04.

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The fastest, most hygienic hand dryer.

Call to order or for details of
Dyson's installation, service,
terms and conditions.

Call:

1-888-397-6622

Email:

airbladeinfo@dyson.com

Visit:

www.dyson.com/handdryers

