

The Washroom Solution



Avante® Basins in Corian®

dyson airblade tap

1

The Washroom Solution

06 Background

08 CDUK and Dyson

2

Avante® Basins in Corian®

14 Design

20 Technology

22 Benefits

3

Dyson Airblade Tap hand dryer

26 How it Works

28 Technology

32 Benefits

4

Dyson Airblade Tap hand dryer: Accreditation

44 Carbon Trust

45 HACCP International

46 NSF

5

The Washroom Solution: Case Studies

50 TaiKoo Hui

52 The Shard

6

Avante® Basins in Corian®: Technical Overview

56 Technical Details

7

Dyson Airblade Tap hand dryer: Technical Overview

76 AB09 Short

77 AB10 Long

78 AB11 Wall

The Washroom Solution

1

The Washroom Solution

Background

CDUK and Dyson

Avante® Basins in Corian® and Dyson Airblade Tap, working perfectly together

“Our mission is simple. We solve the problems others seem to ignore” James Dyson.

Whilst Dyson were solving the problems associated with washrooms, Avante® Basins in Corian® were solving another; how to contain the power and technology that Dyson were creating in the most beautiful way possible.

The result is a range of products that are designed to work hand-in-hand, technically and aesthetically. This is ‘The Washroom Solution’.





Two innovative companies, one common goal

Occasionally, the collaboration of two iconic brands creates a solution which is greater than the sum of the parts; they are simply meant to be together. Such is the case with the products brought to market by CDUK and Dyson.

As the UK distributor of Corian® since 1979, CDUK has the expertise and product knowledge that match the innovation and style of Dyson. Whilst this collaboration started out of necessity, it has strengthened through the pursuit of a common goal. Avante® basins in Corian® have been designed to work perfectly with the Dyson Airblade Tap hand dryer and together produce an exciting washroom solution.





Avante® Basins in Corian®

2

Avante® Basins in Corian®

Design

Technology

Benefits

There is an Avante® Basin in Corian® for every washroom

The long-forgotten area of the washroom has now taken important steps forward aesthetically, functionally and environmentally; however, one solution doesn't necessarily work for every situation. Therefore, a specific range of Avante® Basins has been designed to meet each and every washroom demand.

Top Mount Basins

Page 16

Undermount Basins

Page 17

Wash Troughs

Page 18

Healthcare Basins

Page 19



Top Mount Basins

Belfast



Cardiff



Edinburgh



Swansea



Undermount Basins

Bristol



Durham



Exeter



Warwick



Windsor



York

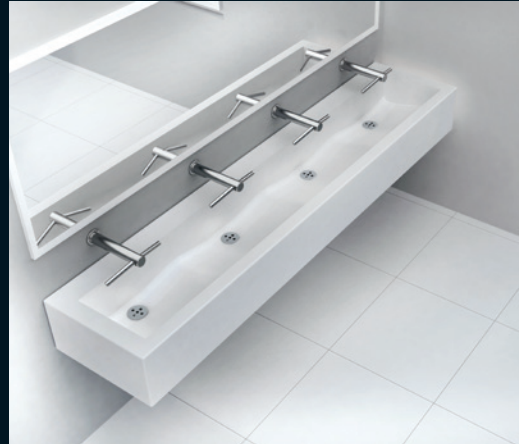


Wash Troughs

Cambridge



London



Oxford



Healthcare Basins

Healthcare 331



Healthcare 332



Healthcare 333



Healthcare 334



State-of-the-art: a very accurate description

Avante® Basins are crafted from Corian® which is made by DuPont™. It's a clever, unique blend of natural materials, pigments and acrylic resin. Each basin is fabricated from solid Corian® sheets and due to the nature of the material, these basins can be seamlessly integrated into Corian® washroom surfaces, creating perfect facilities that are strong, beautiful and hygienic.





Avante® Basins in Corian® are designed to work perfectly with the Dyson Airblade Tap hand dryer

This innovative combination stops splashes and drips, it's also energy efficient, safer, more durable, beautifully designed, fully accredited, guaranteed, cost-effective and has a lower effect on the environment than most taps and hand dryers.

Safe

Washing and drying hands at the basin means that there is no need to walk to a hand dryer, therefore, there are no potentially dangerous drips on the floor.

Sustainable

No need for paper towels and 74% less CO₂ than some hand dryers whilst still delivering an impressive 12 second drying time.*

Hygienic

Sensor-operated taps give a touch-free operation, combined with a HEPA filter, seamless basin integration and non-porous surfaces all of which means less bacteria build-up.

Cost-Effective

Energy-efficient and low-maintenance, this combination can be one of the most powerful sales-tools, helping designers sell their ideas.

Crafted

From heavy wear and tear areas to award-winning interior design, this combination is an incredible addition to any washroom.

Guaranteed

Dyson Airblade™ hand dryers offer a 5 year guarantee, and Avante® Basins in Corian® give you ultimate peace of mind with a 10 year manufacturer's guarantee.



* In collaboration with Carbon Trust, Dyson has produced a method to measure the environmental impact of electrical appliances and paper towels. The carbon calculations were produced using GaBi software provided by PE International, based on product use over 5 years and using the US as a representative country of use. Dry times for products were evaluated using DTM 769.

Dyson Airblade Tap hand dryer

3

Dyson Airblade Tap hand dryer

How it Works

Technology

Benefits

This solution is so advanced, it is simplicity itself

With Airblade™ technology in a tap, hands are dried at the basin in 12 seconds. There's no need to move to a separate drying area.

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.

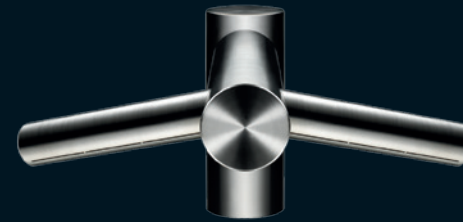
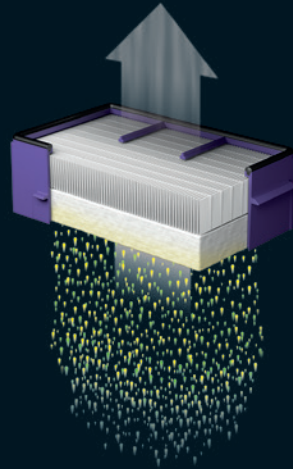
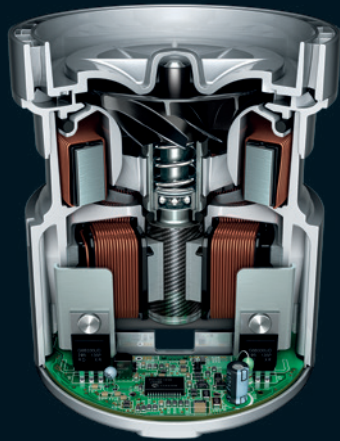


Dyson digital motor V4

+ HEPA filter

+ Airblade™ technology

**= The fastest
over basin
hand dryer**



Dyson digital motor V4

Conventional motors are bulky, slow and can be inefficient. They also rely on carbon brushes, which wear out over time. The Dyson digital motor V4 is different. It's one of the world's smallest fully integrated 1600W motors 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 and diarrhoea. The Dyson Airblade™ hand dryers have HEPA filters installed as standard, which capture 99.9% of bacteria and viruses in 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 35 litres of air through a HEPA filter, and forces it through apertures just 0.8 mm wide. The result — 430 mph sheets of filtered air that scrape water from hands, drying them quickly and hygienically.

**No other hand
dryer has this
technology**

Airblade™ technology works differently

The Dyson Airblade Tap hand dryer is powered by the Dyson digital motor V4 — one of the world's smallest, fully-integrated 1600W motors. Its small size and power density are what have made Dyson's latest hand dryer technology possible.

Inside The Dyson Airblade Tap hand dryer

Airblade™ technology

Air travelling at 430 mph exits laser-cut apertures measuring just 0.8 mm in width.

Laser welding

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

Intelligent water and air infrared sensors

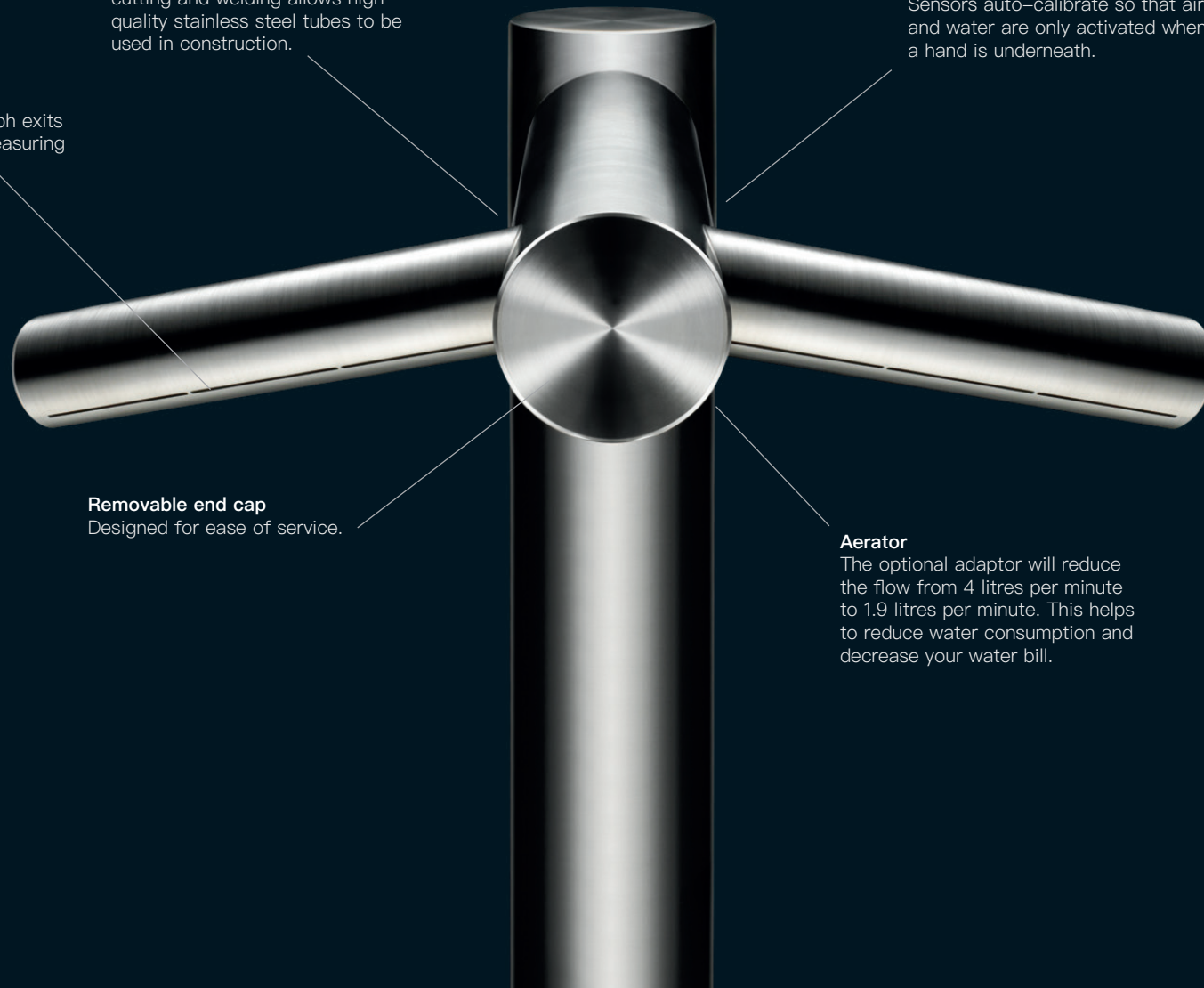
Sensors auto-calibrate so that air and water are only activated when a hand is underneath.

Removable end cap

Designed for ease of service.

Aerator

The optional adaptor will reduce the flow from 4 litres per minute to 1.9 litres per minute. This helps to reduce water consumption and decrease your water bill.



Dyson digital motor V4

Spins at 90,000 rpm, generating enough power to draw up to 35 litres of air per second through a HEPA filter.

Easy to service motor unit

Designed for safe and quick replacement without the need for an electrician.

Mains water inlet

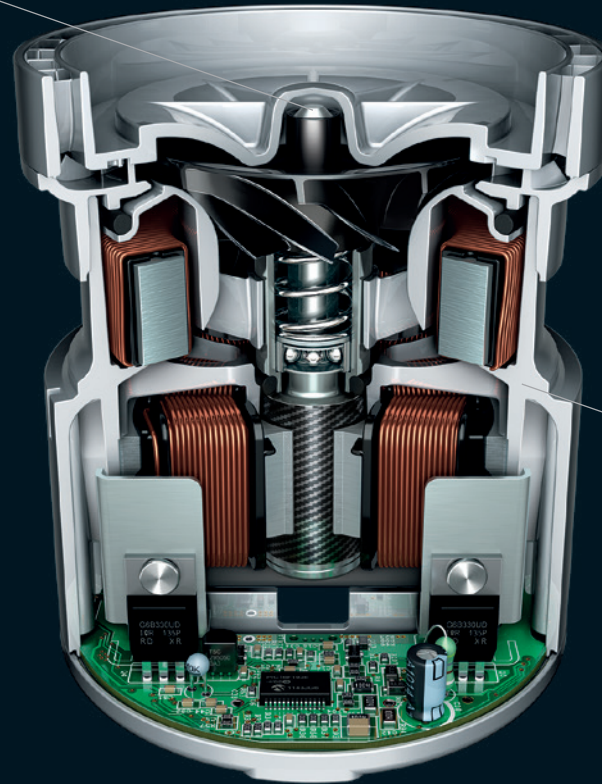
Electronic, sensor-controlled water valve activates when a hand is detected. This starts the water flow.

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.



Only the Dyson Airblade Tap hand dryer has all of these benefits

No water on the floor.

Most hygienic.

Better for the environment.

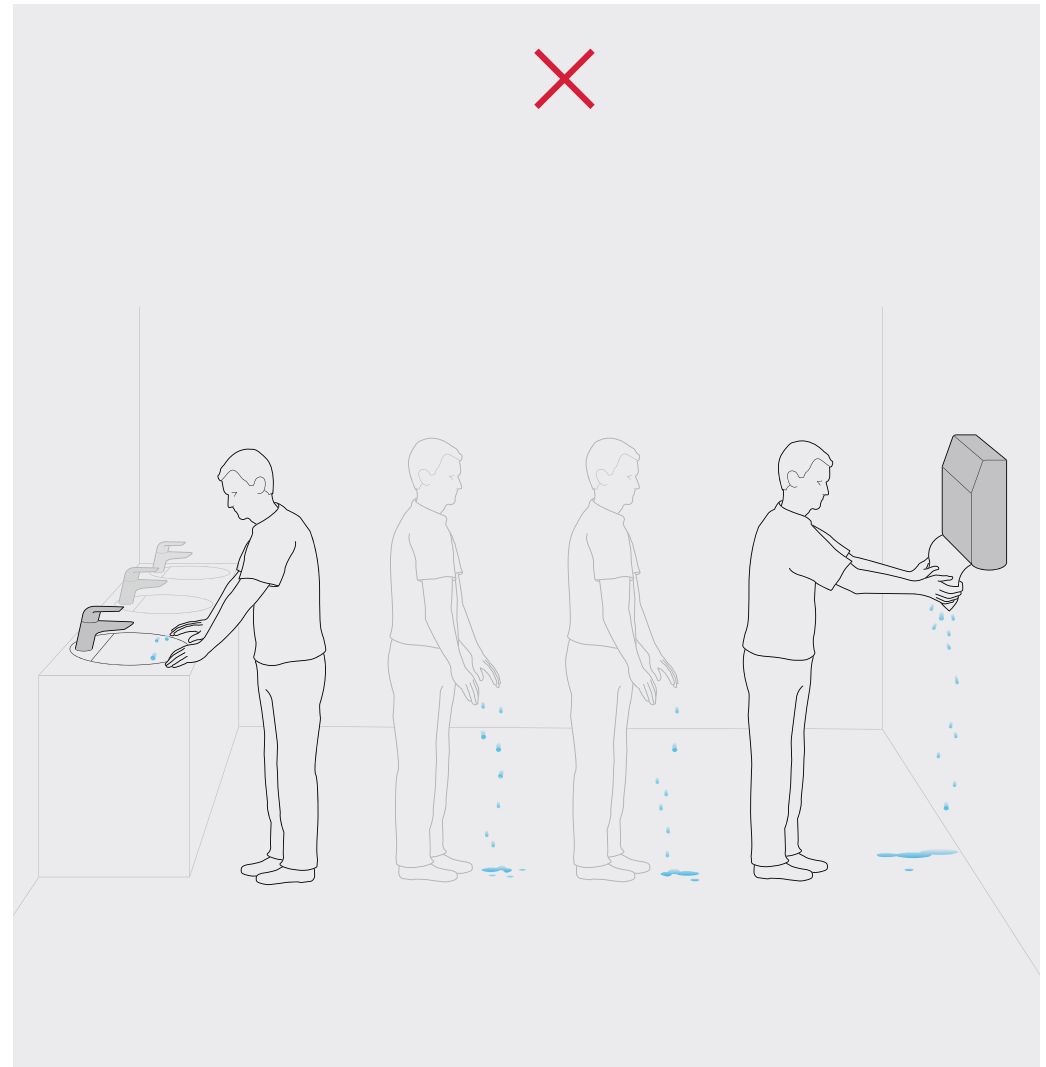
5 year guarantee.





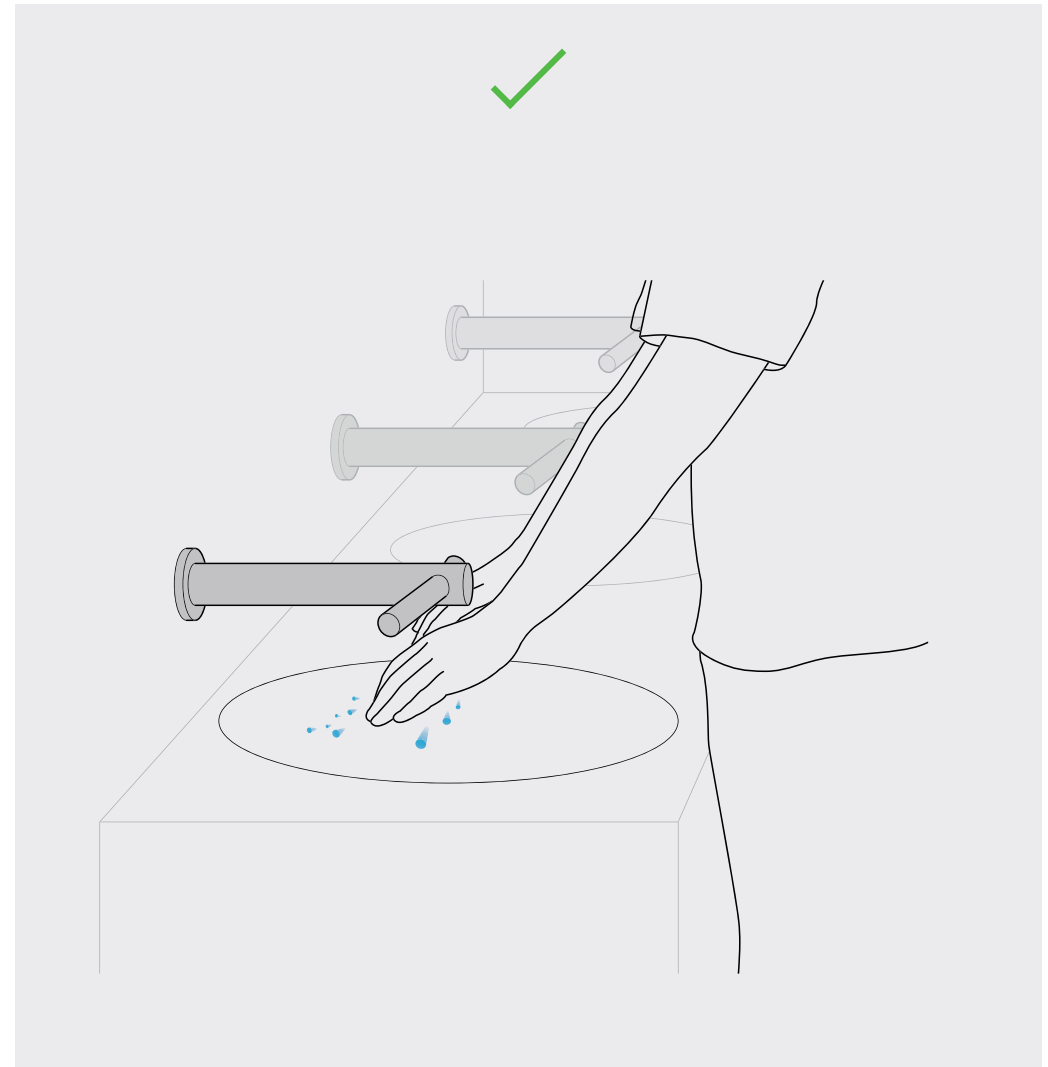
Water on the floor

When using conventional drying methods, you move to a separate area to dry hands. Water is often dripped on the floor, which can create problems in the washroom. Floor tiles can become slippy, and washroom floors need cleaning more regularly.



Water in the basin

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



The reasons why Airblade™ technology is fast and the most hygienic

Dyson digital motor V4.

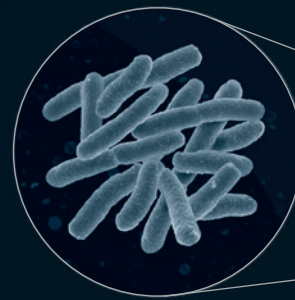
HEPA filter.

12 second dry time.

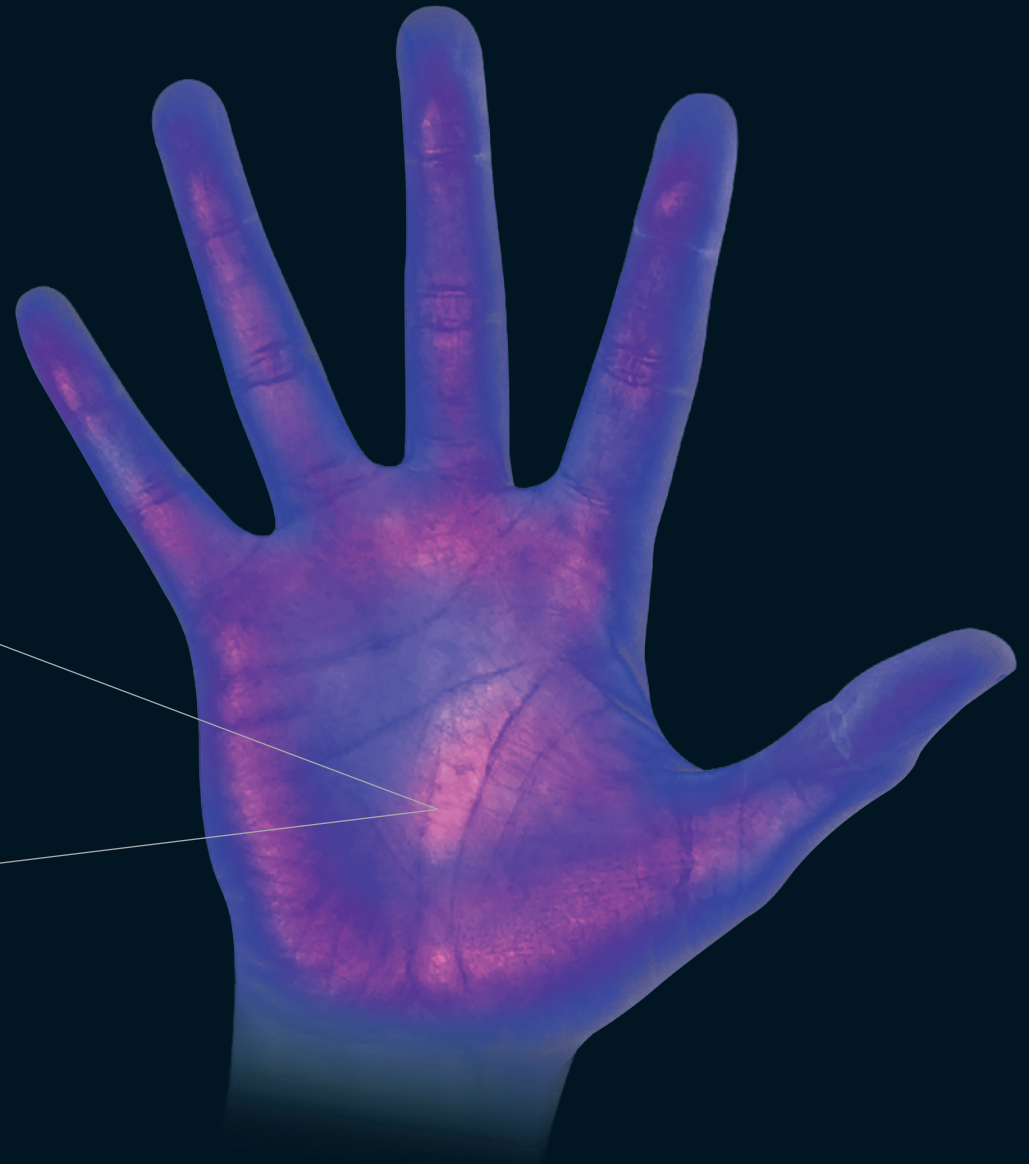
No drain tank.

No heating element.

Touch-free operation.



Damp hands can spread up to 1,000 times more bacteria than dry hands.



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. It's why it's important that hands are dried properly.

The most hygienic hand dryer

The Dyson Airblade Tap hand dryer uses a HEPA filter. 99.9% of bacteria and viruses in the washroom are captured. So hands are dried in 12 seconds using cleaner air, not dirty air.



The environmental impact of paper towels

From cutting down trees, through chemical processes to disposal — using paper towels has a significant impact on the environment.

Felling trees

Trees are a major source of pulp for virgin paper towel production.

Transportation

Once trees are felled they need to be transported from the forest to the mill.

Mix with water

Lots of water and energy are needed to make paper.

Pulping and bleaching

Chemicals are also used in the bleaching process.

Maintenance

Paper towel dispensers need constant restocking.

Disposal

Most used paper towels cannot be recycled. Used paper towels, packaging and bin liners end up in landfill or an incinerator.



High impact on the environment

The Dyson Airblade Tap hand dryer produces 74% less CO2 than some other hand dryers and 71% less than paper towels.*



13.9g
CO2 per day*



15.6g
CO2 per day*



8.0g
CO2 per day*



4.0g
CO2 per day*



Low impact on the environment

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

*In collaboration with Carbon Trust, Dyson has produced a method to measure the environmental impact of electrical appliances and paper towels. The carbon calculations were produced using GaBi software provided by PE International, based on product use over 5 years and using the US as a representative country of use. Dry times for products were evaluated using DTM 769.

5 year guarantee

Unrivalled service

The 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 the Dyson Airblade™ hand dryers are guaranteed against original defects in materials and workmanship for 5 years.

Aftersales support

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 Tap hand dryer
5 year parts and labour



Dyson Airblade Tap hand dryer: Accreditation

4

Dyson Airblade Tap hand dryer: Accreditation

Carbon Trust

HACCP International

NSF

The only hand dryer certified by the Carbon Trust

Everything we make or use has a carbon footprint. It represents the total amount of carbon dioxide and other greenhouse gases generated during its life. Working with the Carbon Trust, Dyson has measured the carbon footprint of the Dyson Airblade™ hand dryer range.

Every single component

All components inside the Dyson Airblade™ hand dryer were assessed. Materials and manufacture contribute 8% of total emissions.

Waterways vs. highways

Constant paper towel restocking relies on road transport. The Dyson Airblade™ hand dryers use energy-efficient ships — representing less than 1% of total emissions.

Less energy = less carbon

Airblade™ technology has fast dry times and no energy-hungry heating elements. So it uses up to 80% less energy than warm air dryers.

End of life

With a 5 year guarantee, the Dyson Airblade™ hand dryer is built to last. Even so, many components are designed to be recyclable with negligible environmental impact.



Certified by HACCP international & safe for the food sector

The Dyson Airblade Tap hand dryer has been certified for use in food preparation environments by HACCP International. The Dyson Airblade Tap hand dryer and the Dyson Airblade dB hand dryer are the only hand dryers globally certified for use in the food and beverage industry.



NSF Certified

The only hand dryer certified hygienic

Dyson asked independent public health specialists NSF to define the criteria for a hygienic hand dryer. The result is NSF Protocol P335 — and Dyson Airblade™ hand dryers are the only hand dryers that meet every part of it.

Air filtration

Air used to dry hands must be HEPA filtered.

Unheated air

Warming moist bacteria increases their reproduction rate. Heated air can also remove beneficial oils from the skin.

Drying time

Hands must be dried in under 15 seconds. NSF have defined dry as 0.1g of residual moisture. Damp hands can spread up to 1,000 times more bacteria.

Touch-free operation

The hand dryer must start and stop without user contact.



TESTED. CERTIFIED. HYGIENIC



The Washroom Solution: Case Studies

5

The Washroom Solution: Case Studies

TaiKoo Hui Washroom

The Shard

The heart of one of the most incredible washrooms created

This washroom is expressed as a bright grotto, a contemporary abstraction of nature. The commercial building surrounding this area receives thousands of visitors each day, which meant that dealing with high traffic had to be a priority, without compromising the design aesthetic. Dyson Airblade Tap hand dryers were met with sweeping curved sheets of seamless Corian®. The unique curves of the design result in a solution that is both beautiful and hygienic.

Location: Guangzhou, China

Architect / Designer: Ida & Billy Architects Ltd.

Client: TaiKoo Hui properties



Cutting-edge design with advanced technology solutions

For this iconic landmark building in Central London, it was essential for the washrooms to reflect the innovative nature of The Shard, whilst leaving a lasting impression on the visitors. This was achieved with The Washroom Solution; Corian® basins provide the highly durable sleek style that works impeccably with the impressive Dyson Airblade Tap hand dryers.

Location: The Shard, London

Architects: Pringle, Richards Sharratt

Corian® Fabricator: Washroom Washroom Ltd.



Avante® Basins in Corian®: Technical Overview

6

Avante® Basins in Corian®: Technical Overview

Technical Details

Create an incredible washroom solution for your next project

Avante® Basins in Corian® and Dyson Airblade Tap hand dryers are the solution whatever the washroom; from high-footfall washrooms to high impact designs, from hygienic healthcare solutions to safe public washrooms and from reduced-space washrooms to cavernous underground grottos. Whatever the washroom, there is now a washroom solution available.

Belfast

(CAVTM-BELFAST-GW)

Top Mount Basin

External dimensions

600 x 445mm

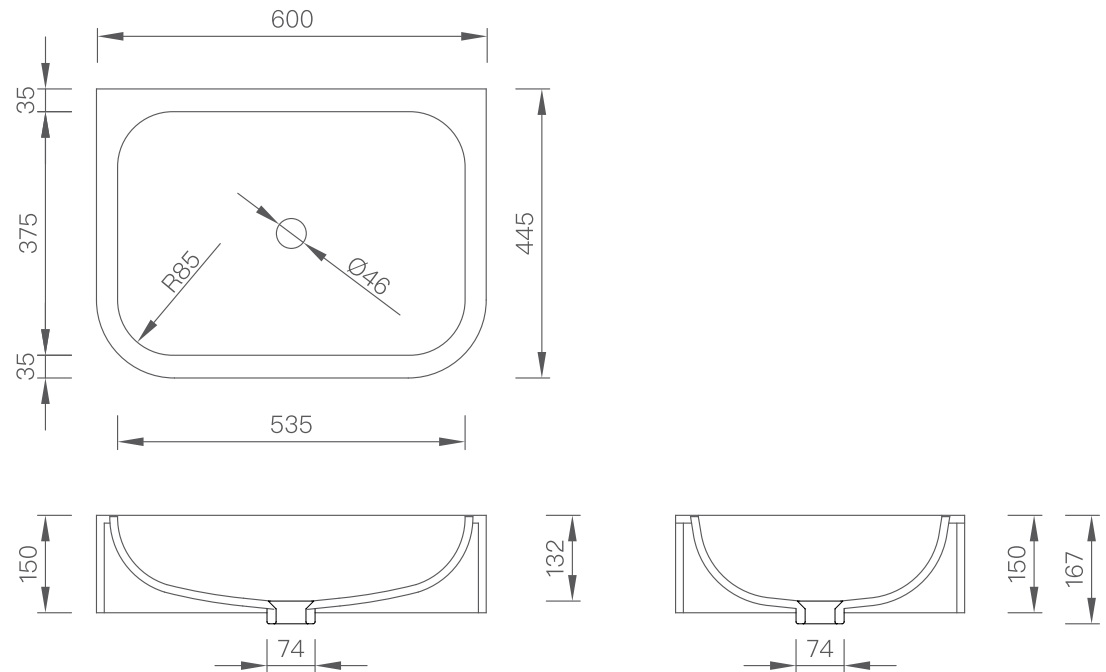
Internal size

535 x 375 x 132mm

Dyson Airblade Tap hand dryer compatibility

AB10 AB11

No overflow



Cardiff (CAVTM-CARDIFF-GW)

Top Mount Basin

External dimensions

600 x 445mm

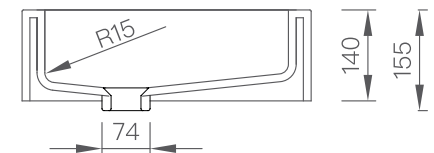
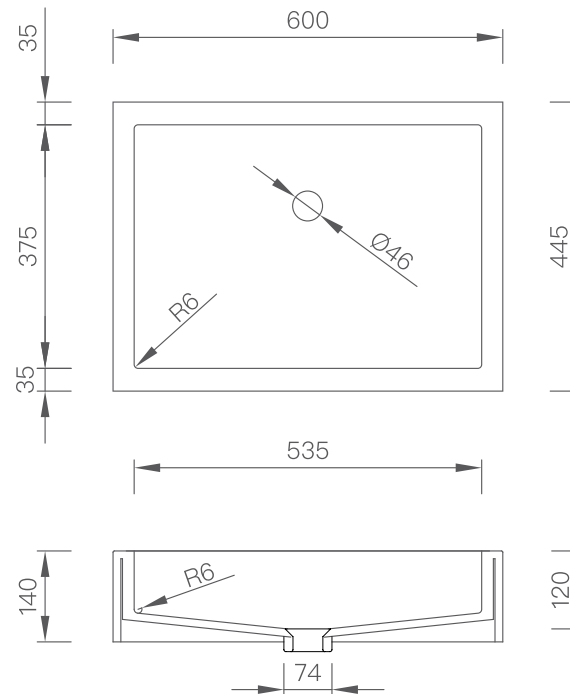
Internal size

535 x 375 x 120mm

Dyson Airblade Tap hand dryer compatibility

AB10 AB11

No overflow



Edinburgh (CAVTM-EDINBURGH-GW)

Top Mount Basin

External dimensions

448 x 448mm

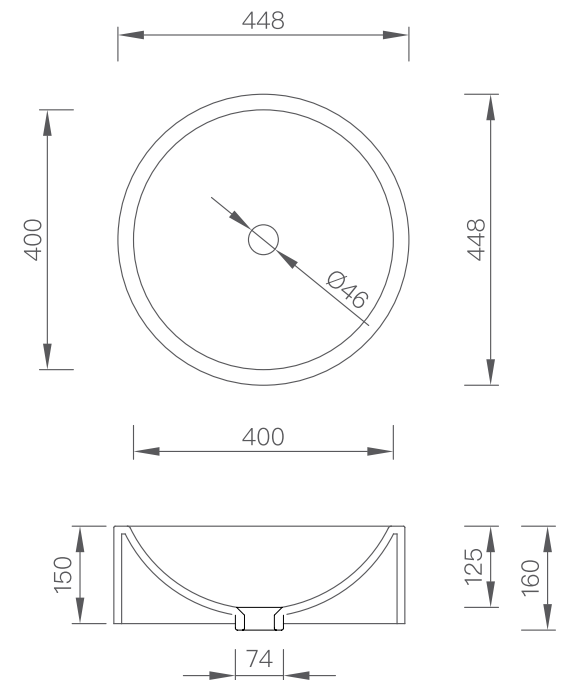
Internal size

400 x 400 x 125mm

Dyson Airblade Tap hand dryer compatibility

AB10 AB11

No overflow



Swansea (CAVTM-SWANSEA-GW)

External dimensions

600 x 350mm

Internal size

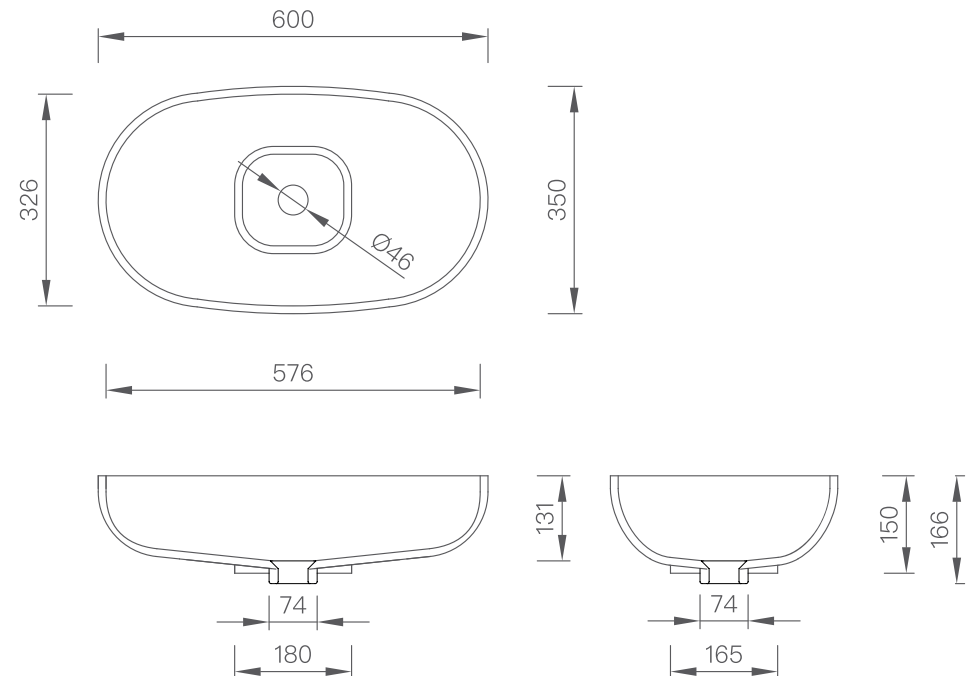
576 x 326 x 131mm

Dyson Airblade Tap hand dryer compatibility

AB10 AB11

No overflow

Top Mount Basin



Bristol

(CAVUM-BRISTOL-GW)

External dimensions

559 x 399mm

Internal size

535 x 375 x 130mm

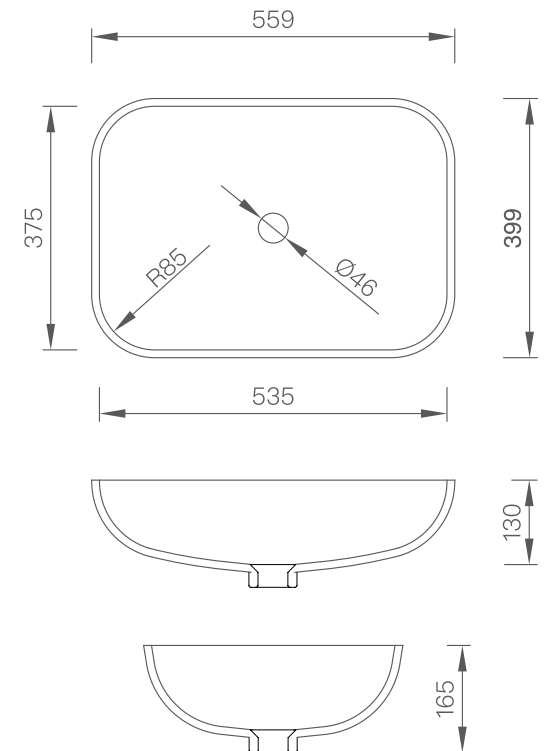
Dyson Airblade Tap hand dryer compatibility

AB09 AB11

No overflow



Undermount Basin



Durham

(CAVUM-DURHAM-GW)

External dimensions

399 x 399mm

Internal size

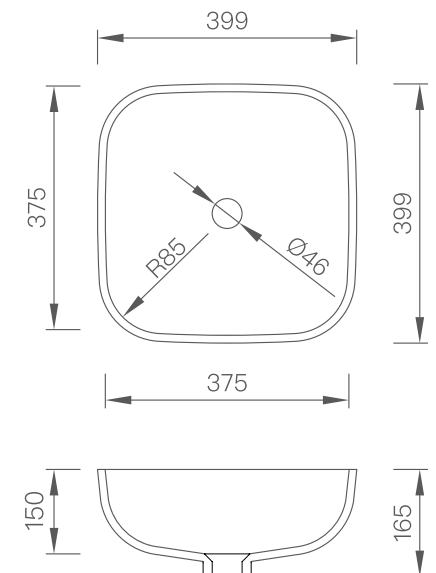
375 x 375 x 150mm

Dyson Airblade Tap hand dryer compatibility

AB09 AB11

No overflow

Undermount Basin



Exeter (CAVUM-EXETER-GW)

External dimensions

600 x 350mm

Internal size

576 x 326 x 131mm

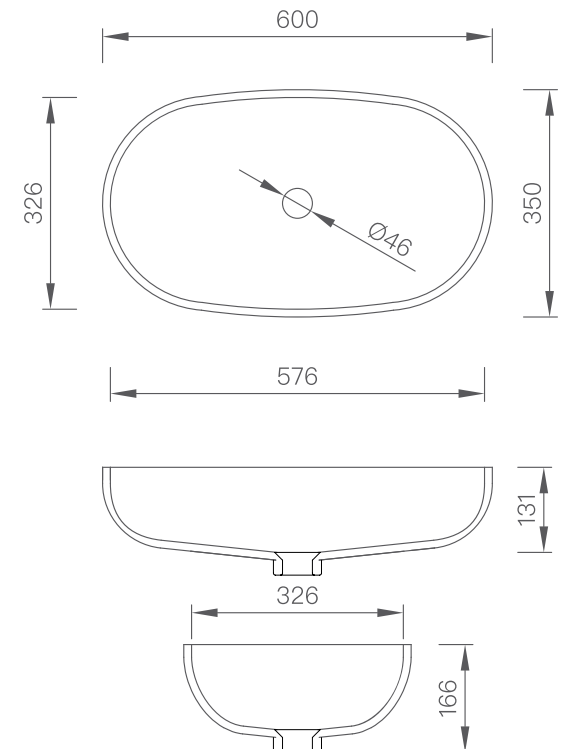
Dyson Airblade Tap hand dryer compatibility

AB09 AB11

No overflow



Undermount Basin



Warwick (CAVUM-WARWICK-GW)

External dimensions

659 x 399mm

Internal size

635 x 375 x 130mm

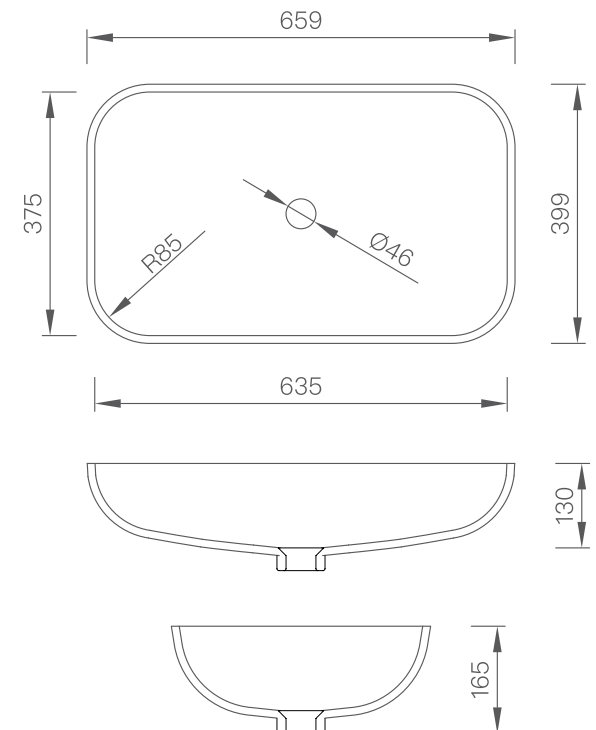
Dyson Airblade Tap hand dryer compatibility

AB09 AB11

No overflow



Undermount Basin



Windsor (CAVUM-WINDSOR-GW)

External dimensions

571 x 399mm

Internal size

535 x 375 x 150mm

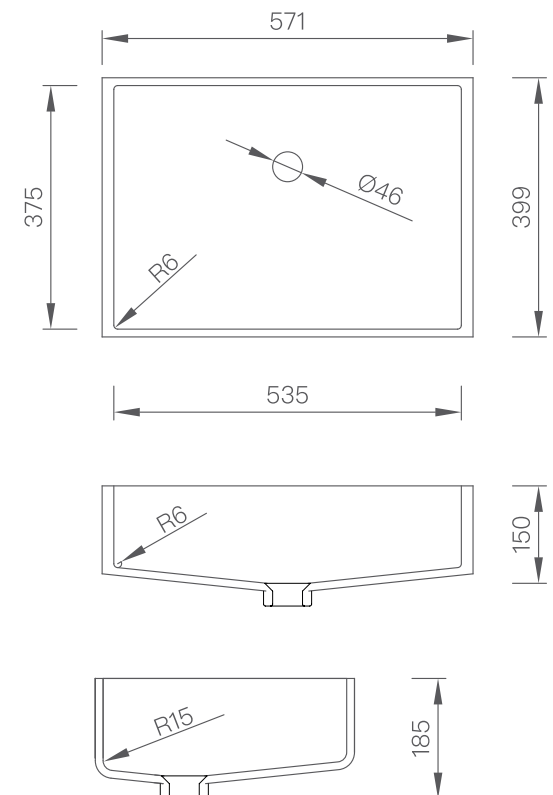
Dyson Airblade Tap hand dryer compatibility

AB09 AB11

No overflow



Undermount Basin



York (CAVUM-YORK-GW)

External dimensions

671 x 399mm

Internal size

635 x 375 x 150mm

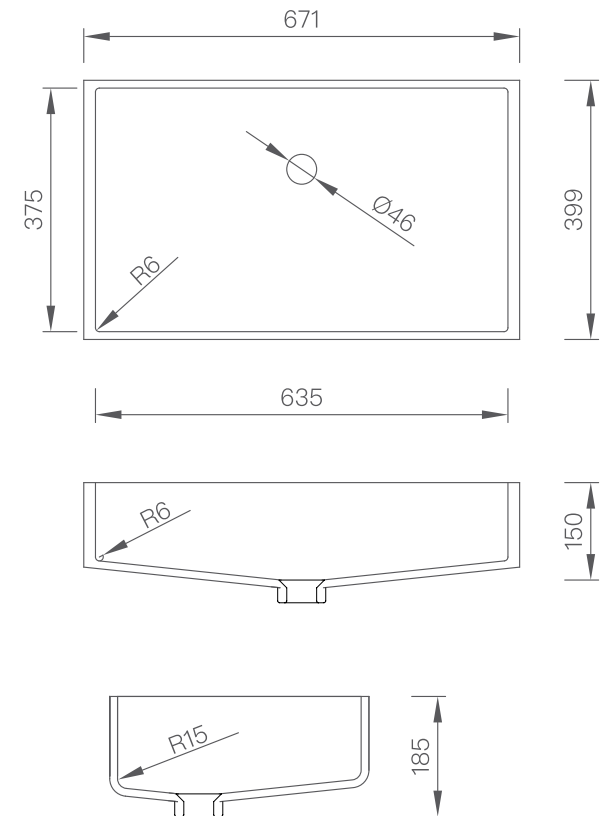
Dyson Airblade Tap hand dryer compatibility

AB09 AB11

No overflow



Undermount Basin



Cambridge

Wash Trough

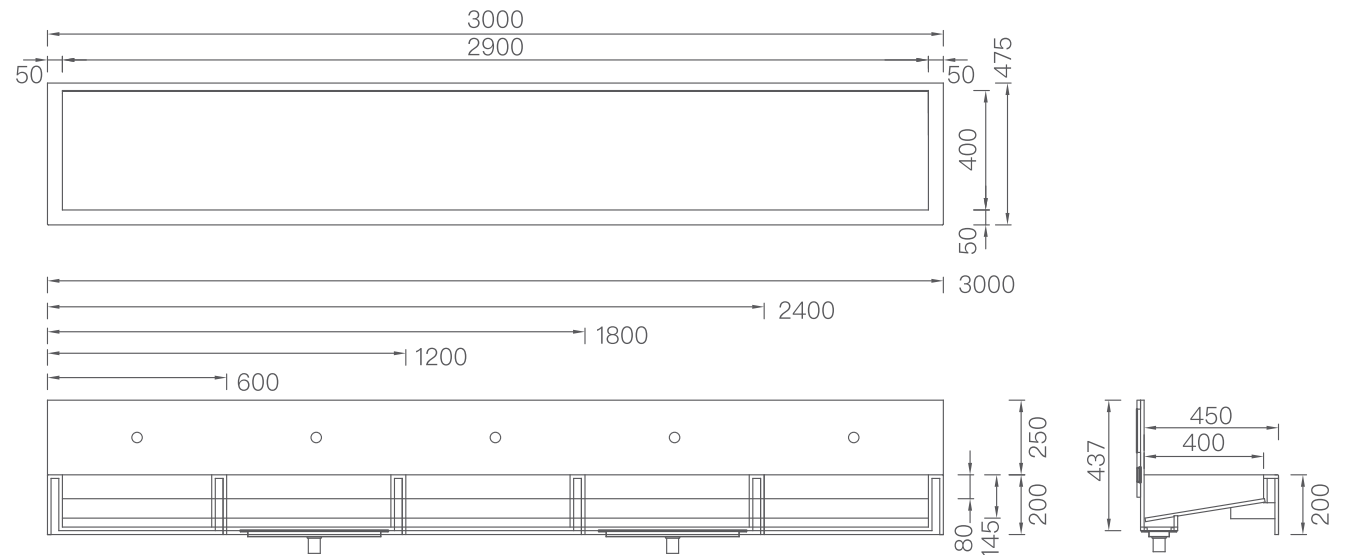
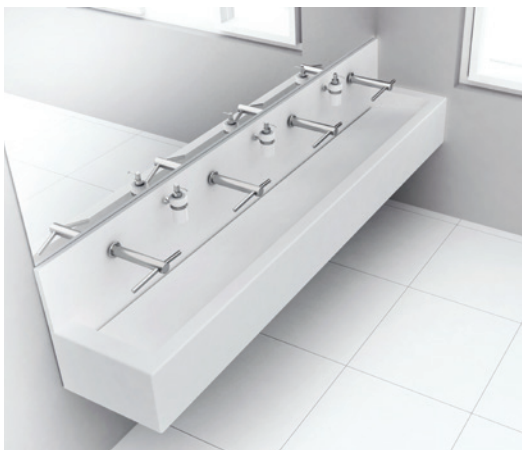
External dimensions

1 – person	(CAWST-CMG-GW-1)	600 x 475mm	(39kg)
2 – person	(CAWST-CMG-GW-2)	1200 x 475mm	(60kg)
3 – person	(CAWST-CMG-GW-3)	1800 x 475mm	(82kg)
4 – person	(CAWST-CMG-GW-4)	2400 x 475mm	(103kg)
5 – person	(CAWST-CMG-GW-5)	3000 x 475mm	(125kg)

Brackets and fittings for wall-hung installation all included

Dyson Airblade Tap hand dryer compatibility

AB11



London

Wash Trough

External dimensions

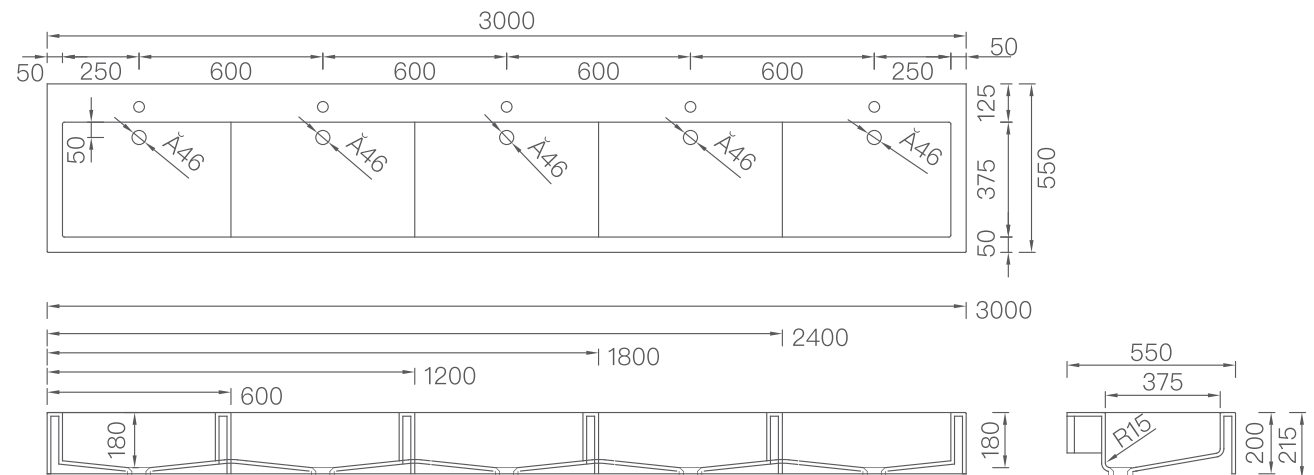
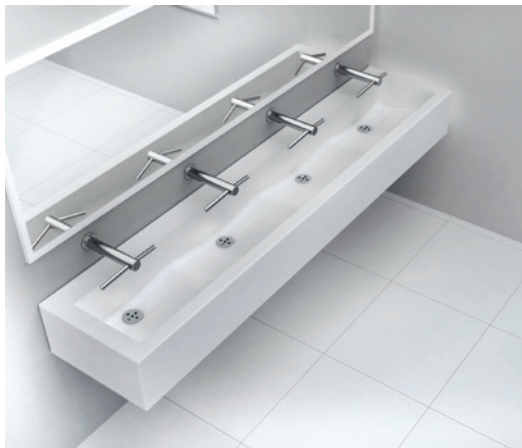
1 – person	(CAVWST-LDN-GW-1)	600 x 550mm	(31kg)
2 – person	(CAVWST-LDN-GW-2)	1200 x 550mm	(47kg)
3 – person	(CAVWST-LDN-GW-3)	1800 x 550mm	(63kg)
4 – person	(CAVWST-LDN-GW-4)	2400 x 550mm	(79kg)
5 – person	(CAVWST-LDN-GW-5)	3000 x 550mm	(94kg)

Wastes, brackets and fittings for wall-hung installation all included

Dyson Airblade Tap hand dryer compatibility

AB09 – Tap hole to be drilled by installer on site according to the installation guidelines

AB11



Oxford

Wash Trough

External dimensions

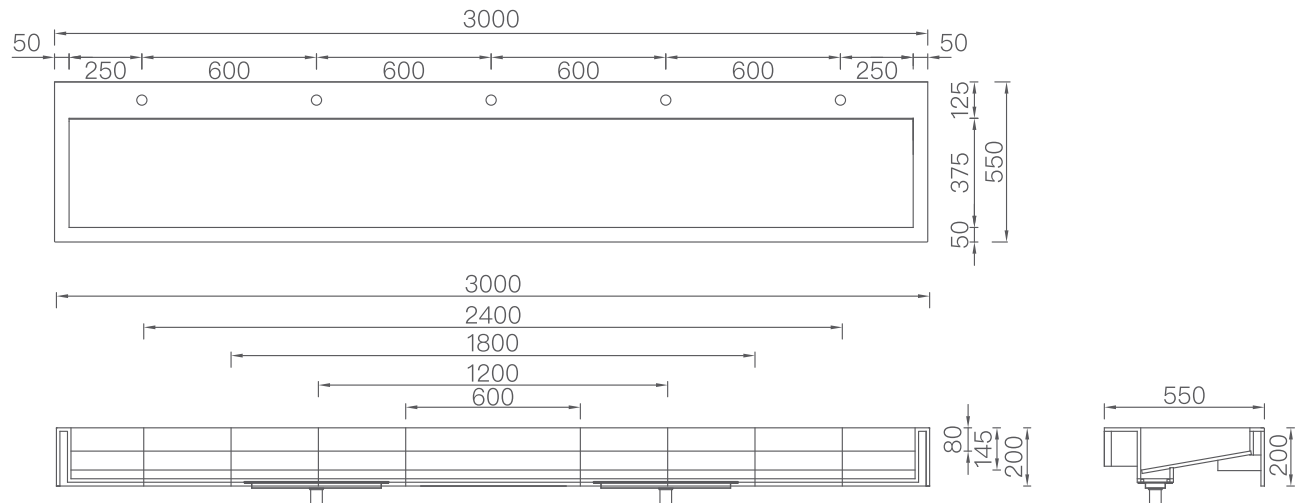
1 – person	(CAWST-OXF-GW-1)	600 x 550mm	(34kg)
2 – person	(CAWST-OXF-GW-2)	1200 x 550mm	(53kg)
3 – person	(CAWST-OXF-GW-3)	1800 x 550mm	(72kg)
4 – person	(CAWST-OXF-GW-4)	2400 x 550mm	(91kg)
5 – person	(CAWST-OXF-GW-5)	3000 x 550mm	(110kg)

Brackets and fittings for wall-hung installation all included

Dyson Airblade Tap hand dryer compatibility

AB09 – Tap hole to be drilled by installer on site according to the installation guidelines

AB11



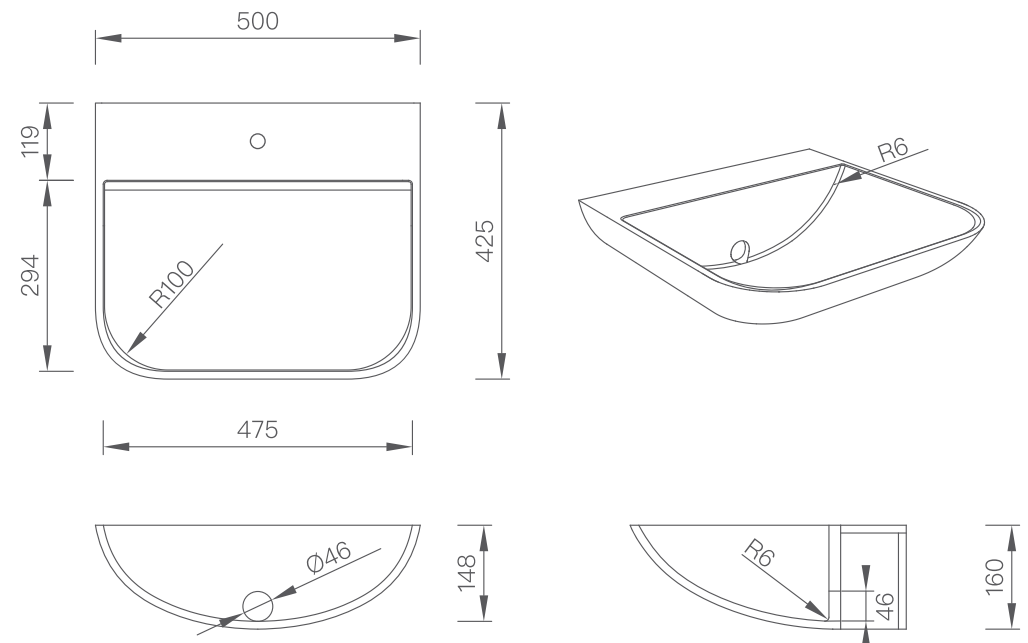
Healthcare 331 (CAVHC-331-GW)

External dimensions
500 x 425mm

Internal size
475 x 294 x 148mm

Dyson Airblade Tap hand dryer compatibility
AB09

Healthcare Basin



Healthcare 332 (CAVHC-332-GW)

Healthcare Basin

External dimensions

500 x 400mm

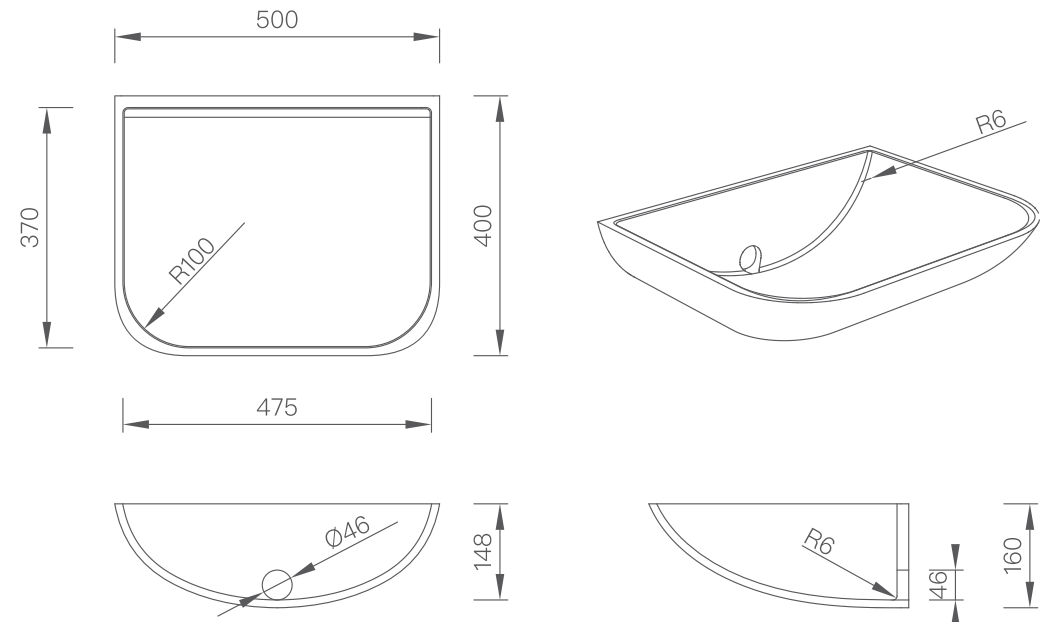
Internal size

475 x 370 x 148mm

Dyson Airblade Tap hand dryer compatibility

AB11

Fittings for wall-hung installation included



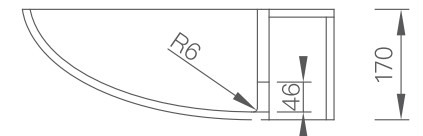
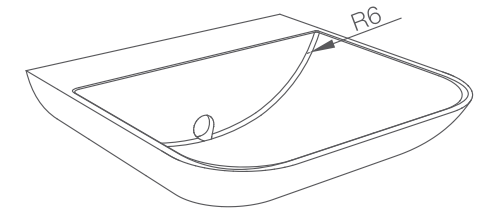
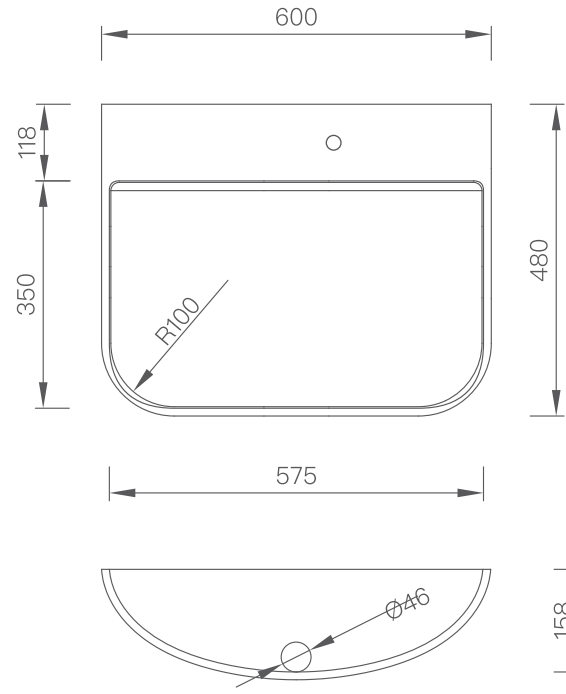
Healthcare 333 (CAVHC-333-GW)

External dimensions
600 x 480mm

Internal size
575 x 350 x 158mm

Dyson Airblade Tap hand dryer compatibility
AB09

Healthcare Basin



Healthcare 334 (CAVHC-334-GW)

Healthcare Basin

External dimensions

600 x 480mm

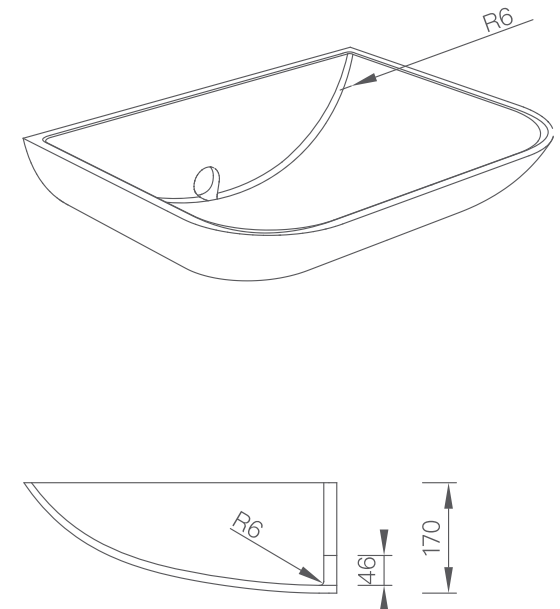
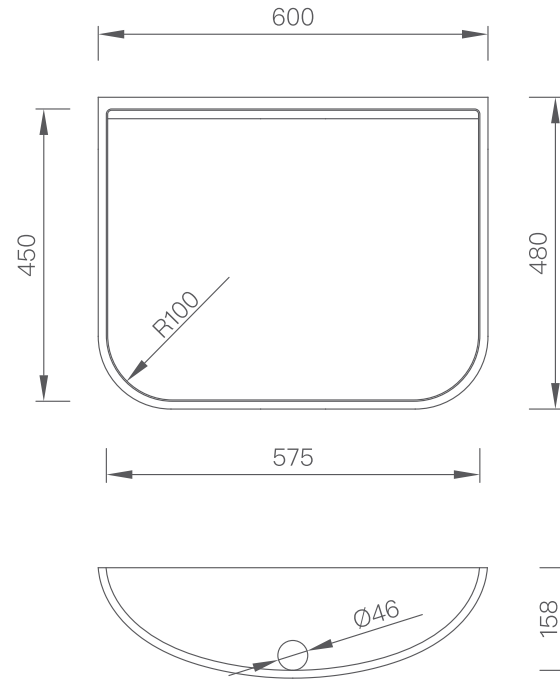
Internal size

575 x 450 x 158mm

Dyson Airblade Tap hand dryer compatibility

AB11

Fittings for wall-hung installation included



Dyson Airblade Tap hand dryer: Technical Overview

7

Dyson Airblade Tap hand dryer: Technical Overview

AB09 Short

AB10 Long

AB11 Wall

AB09 Short



Tap dimensions

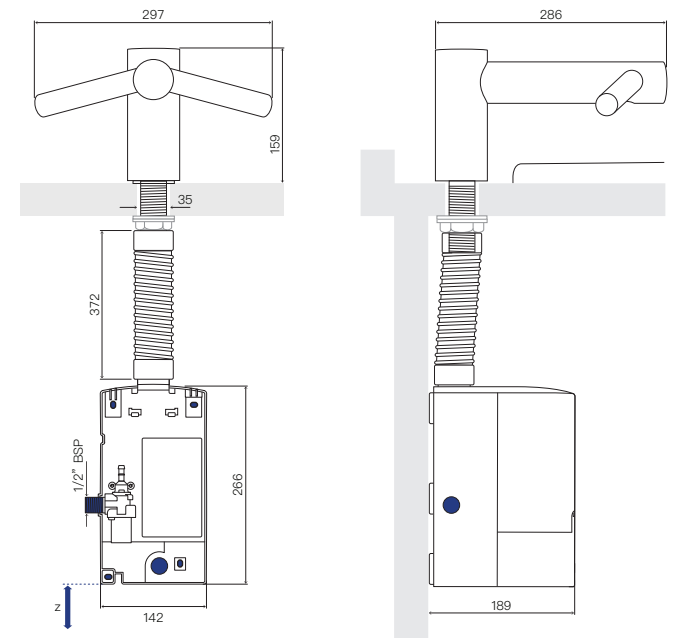
Height 159 mm Width 297 mm
Depth 286 mm

Motor bucket dimensions

Height 266 mm Width 142 mm
Depth 189 mm

Minimum clearance

Z 100 mm clearance from floor



AB10 Long



Tap dimensions

Height 309 mm
Width 297 mm
Depth 286 mm

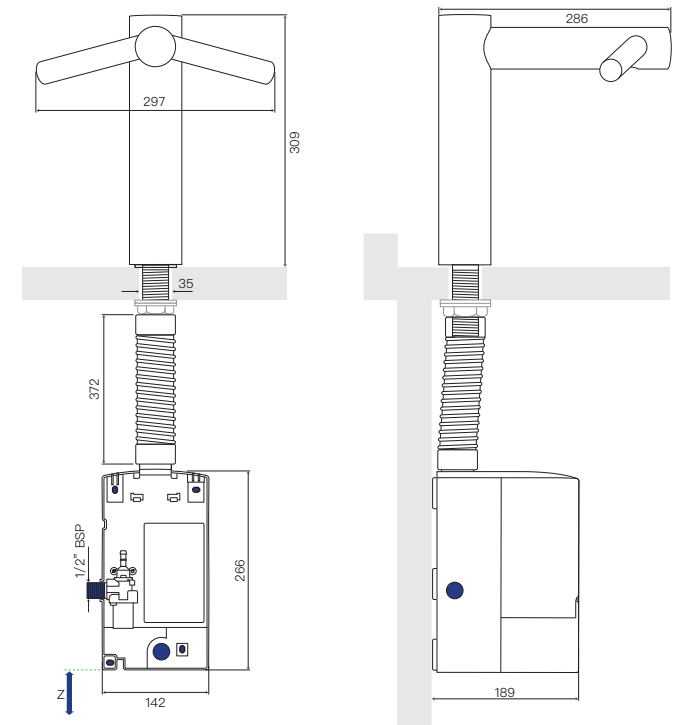
Motor bucket dimensions

Height 266 mm
Width 142 mm
Depth 189 mm

Minimum clearance

Z 100 mm clearance from floor

Motor bucket must be installed below the basin, upright or on its side.



AB11 Wall



Tap dimensions

Length 312 mm Width 297 mm

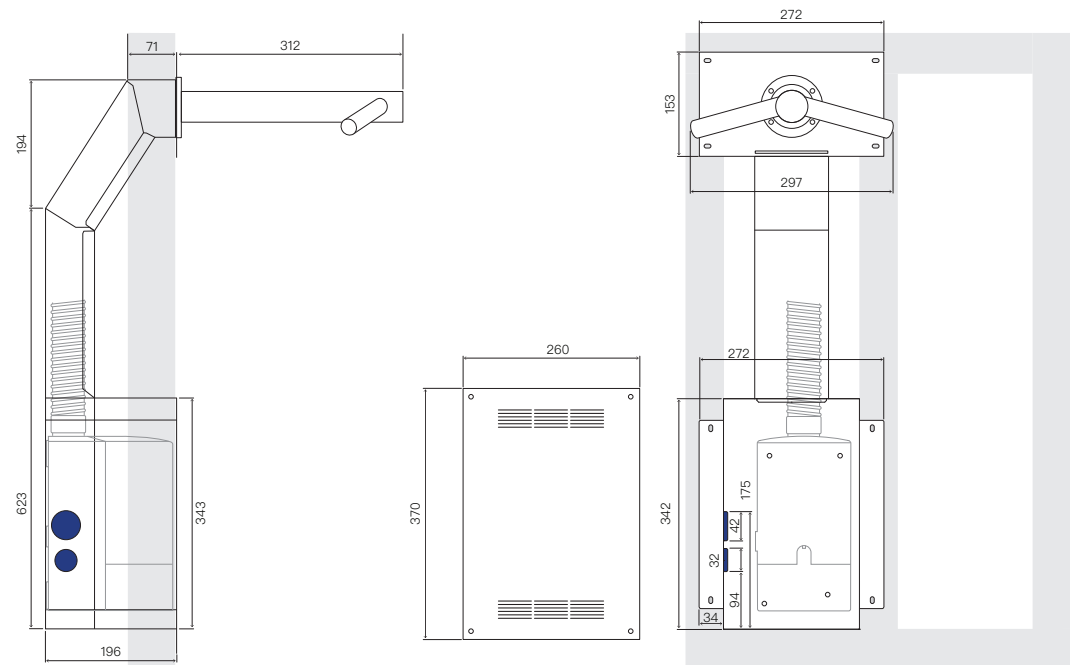
Motor bucket dimensions

Height 266 mm Width 142 mm
Depth 189 mm

Minimum clearance

100 mm clearance from floor

The AB11 Wall Tap is designed so the motor unit is located behind the stud wall. It is supplied with a metal enclosure which needs to be assembled into the stud work behind the wall.





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Avante® Basins in Corian®

dyson airblade tap

Avante® Basins in Corian® and Dyson Airblade Tap hand dryers are distributed by CDUK

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