

EcoCurve™ warm air hand dryer

Using our low energy digital brushless motor, The EcoCurve™ Smart Dryer consumes just 550W, and hygienically dries hands in 11* seconds, offering the lowest cost and carbon per dry of any warm air dryer.

It intelligently reports on the energy used per dry, and dries 59 pairs of hands for an operating cost of just 1p, that's an 95% cost saving compared to a dry with paper towels.

The smart dryer also alerts cleaners to busy washrooms when thresholds are reached based on actual footfall for improved hygiene and resource efficiency.

Now that's smart!



- **550W** motor consumption: Low carbon footprint
- **11 seconds***: Fast dry
- **From 87dB****: Quiet and smooth sound quality
- **7 year warranty**: Long life
- **Real-time** and **wireless** washroom cleaning alerts for improved hygiene and resource efficiency.
- **Sustainable**: Digital Brushless Motor Technology (10x more operational life than brushed motors)
- **Self-cleaning**: New Air channel adaptor technology (No consumables to change i.e. trays, heating elements or filters)
- **Easy installation**: Fit & forget in 10 minutes
- **Hygienic**: Latest antimicrobial additive for protection against degradation and bacteria
- **Intelligent sensors & Real time energy metering**: Not only does it track hands from multiple vantage points for instant activation, it also monitors real time energy usage and washroom footfall

The EcoCurve™ offers the lowest cost of ownership over its 7 year warranty.

*Hand dryness is subjective, varies from person to person and washroom conditions. SAVORTEX EcoCurve™ hand drying time data is based on our unique, in built, real-time data collection technology which monitors and reports on the drying time and energy used per dry, determined by users on a daily basis. As the data is sourced from actual usage, this is the most relevant, accurate and transparent method of data collection established. Drying times quoted are an average of 1million+ recorded hand drying activations. Dry times range from 8 to 15 secs

**EcoCurve™ 450 from 83dB. EcoCurve™ 550 from 87dB (Improved Sound Quality). Quoted sound level dB(A) are a result of independent sound tests according to prevailing industry standards. Tests carried out on 05/03/2013 report sound levels of the EcoCurve and AdDryer range of 77.31 dB(A). We quote a higher dB(A) to allow for local acoustics.

Real time energy & washroom footfall monitoring

The unique SAVORTEX *EcoCurve*™ 550D smart dryer records real-time energy usage and washroom footfall then wirelessly reports the data to our SAVORTEX portal on-line for analytics.



One open transparent platform, connecting your *EcoCurve*™ Smart dryers to the internet, harvesting data, creating actionable intelligence for improved energy management, hygiene, resource efficiency and profitability in your washrooms.

- Real-time energy usage and washroom footfall reporting
- Set wireless cleaning alerts for timely washroom inspections based on actual footfall
- Actionable data intelligence presented in a user friendly way
- Identify developing trends and hidden risks such as cost and waste
- Meet and maintain ISO14001, BREEAM and LEED compliance and Carbon Reduction targets
- Improved hygiene, energy, waste and cost management
- Enhance washroom sustainability and profitability

Real Time Washroom Cleaning Alerts*

Real-time washroom cleaning alerts when thresholds are reached based on actual footfall for improved hygiene and resource efficiency.

*SIM card charges apply at £2.00 per dryer per month, which includes 1 data package delivery per day and access to the washroom portal.

Manage your washrooms from the cloud

Sustainable Design features

EcoCurve™ hand drying technology explained:

As shown in the diagram, SAVORTEX uses its award-winning patented curved air and heat recovery technique to generate and sustain warm air used for drying. Cold air is drawn in through the air channel adaptor, and then compressed to 39°C, after which the heated air is accelerated out at 30.6 litres per second, delivering air straight to your palms. This technique avoids wasting air and splash back.

Super fast drying time:

The unique *EcoCurve™* delivery system ensures that warm air is accelerated out of the dryer at maximum speed, resulting in super fast drying times.

Hygienic:

SAVORTEX uses the latest antimicrobial additive which protects against degradation and bacteria.



Low sound digital brushless motor:

Our engineers have used the latest sound deadening techniques and developed a low sound and compact digital brushless motor. Tested to 1 million hand drying cycles, unlike brushed motors which use carbon brushes that create dust & pollutants, this more sustainable motor rotates using electrical switches at an efficient 20,000 times per minute. Consequently, this delivers 10x more life than a brushed motor.

Slimline & easy installation:

The *EcoCurve™* protrudes only 134mm from the wall, allowing for recessed and space saving installations. Just plug and leave on any surface in only 10 minutes.

Smooth sound quality

The Smart air flow design within the *EcoCurve™* dryer ensures a smooth and quiet sound output. We have developed a new era of sound quality for you to experience.

Conventional dryer market analysis

By reducing energy consumption compared to other hand dryers, the SAVORTEX range significantly reduces greenhouse gas (GHG) emissions compared to conventional dryers and paper towels. Furthermore, eliminating paper towels reduces the amount of waste sent to landfill.



Performance	SAVORTEX Range (EcoCurve™/Vortex)	PHS Airforce	Dyson Range (V/Air Blade/Tap)	World Dryer Air Max	Paper Towel £0.01 per sheet
Power (W)	550	1,100	1,600	2,300	n/a
Drying Time (s)	11*	12	10	30	2 sheets
Cost Per Dry (£)	£0.00017	£0.00037	£0.00044	£0.00192	£0.02000
Warranty	7	5	5	5	n/a
Sound (dB)	87**	85	84	84	n/a
Energy Reduction achieved against market (per dry)	n/a	50.00%	58.75%	90.43%	n/a
Duty life Cycle Test	1 million	Not known	Not known	Not known	n/a
Motor Type	Brushless	Brushed	Brushless	Brushed	n/a
Number of dries (per day)	200	200	200	200	200
Operating Cost pa	£12.41	£26.77	£32.44	£139.92	£1,460.00

Other hand dryers are expensive to run because they use energy-hungry motors that consume 1600W to 2300W and are too big and high in maintenance costs due to filters and trays having to be replaced.

The SAVORTEX dryer range eliminates the above problems, using just 550W, and dries hands in seconds. It offers the lowest carbon footprint per dry.

*Usage figures based on 10p kWh, 200 dries per day, 365 days per year.

SAVORTEX®



A Smart Energy Saving Revolution

Testimonial



"The SAVORTEX EcoCurve 550D smart hand dryer supported our client, Gatwick Airport's sustainability strategy. SAVORTEX has developed a revolutionary, ultra-low energy and data reporting hand drying technology, that allows our clients to reduce their carbon, waste and costs while improving washroom cleaning and introducing new operational efficiencies, and importantly improves our service to them. We look forward to continued support of this innovative technology business helping our clients buildings enhance washroom sustainability in terms of cost, hygiene and operations."

Dr. Zainab Dangana, Wates Smart Space.

SAVORTEX *EcoCurve*™ 550D Smart hand dryer



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