

Education Buildings Solutions

Creating a fresh and hygienic learning environment



Schools



Universities



Classrooms



Lecture Theatres



Restrooms



Offices



Canteens



Sports Facilities

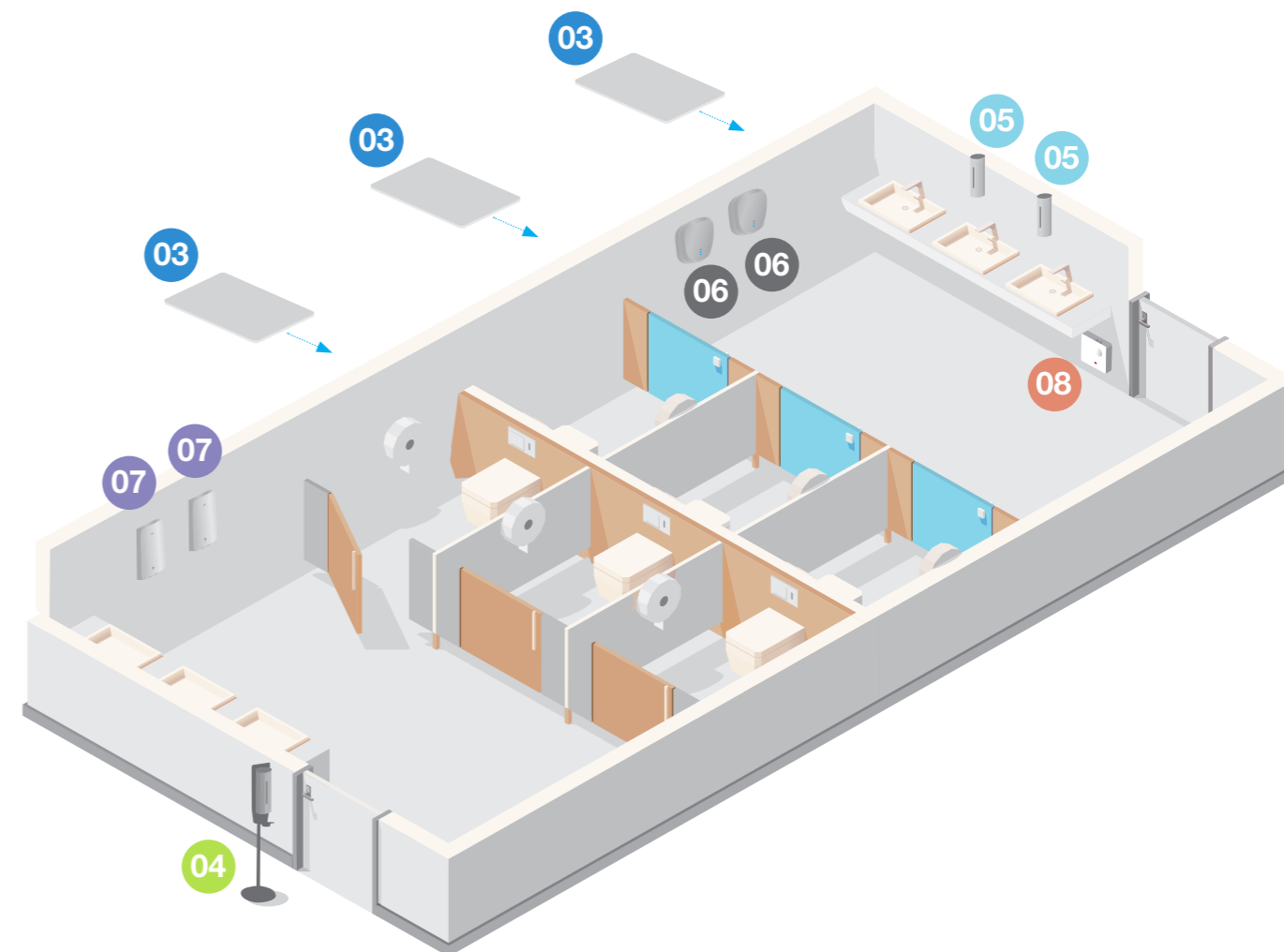
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Product applications for Education Buildings



- 01** Vario Reversible window/wall fan
- 02** Dahlia Hand Sanitiser Dispenser
- 03** Radiant Ceiling Heaters



- 03** Radiant Ceiling Heaters
- 04** Dahlia Hand Sanitiser Station
- 05** ATC Soap Dispenser
- 06** Tiger ECO Hand Dryer (Option)
- 07** Panther ECO Hand Dryer (Option)
- 08** Instantaneous Water Heaters



Ventilate

The Importance of Air Changes in internal spaces

Ventilation is an important factor in the prevention of the spread of the COVID-19 virus and its variants. Good mechanical ventilation creates air changes in internal rooms and spaces reducing the possible concentration of the virus in the Air, thus reducing the risks from airborne transmission to students and teachers.

In order to improve the air quality it is fundamental to focus on ventilation and sanitisation. Practical recommendations for ventilation in schools are available from ATC and for further detailed information please visit www.gov.ie

VORTICE VARIO RANGE

The Vortice Vario range of Window and Wall fans provide the option of supply or extract ventilation to create air changes in spaces with external access. This easy to install solution is controllable and flexible for most applications.



VORTICE LINEO RANGE

The Vortice Lineo Inline mixed flow fans are designed to provide high levels of mechanical ventilation through ducts to internal rooms and spaces. They can be used for supply or extract ventilation to create air changes in these applications.



VORTICE QUADRO dMEV Fans

The Quadro dMEV range of centrifugal fans are designed to extract air from internal rooms and spaces. They have low noise emissions and are rated for continuous running to create consistent air changes in some applications.



<https://www.gov.ie/en/publication/ad236-guidance-on-ventilation-in-schools/>

For more detailed information, please contact our Technical Team



Vortice Mechanical Ventilation – University of Limerick

Client Requirements

In order to prepare for a return of students to the classroom, the University of Limerick researched suitable ventilation options to improve the air quality in their buildings, as well as keep staff and students safe. In conjunction with their electrical contractors and their local wholesaler, UL chose the Vortice Vario AR LL S range of mechanical fans.

These fans are all operated via microwave sensors within the lecture halls providing adequate ventilation and the required air changes within the rooms.

The fans were colour coded to match the exact RAL of the external windows and frames to blend in seamlessly with the external façade.



Client Requirements

- Improved air quality and better H&S for staff and students
- Easy to install solution
- Low noise levels to avoid classroom interruptions
- Leading technology from a Global Partner with a proven track record in Ventilation

Products Evaluated & Chosen

Project consists of: 40 x 9” & 12” Vortice Vario fans



“I am very impressed how quickly the fans arrived after placing the order, especially given the quantities involved. The fans were user friendly to install and I would highly recommend ATC and the Vortice products to anyone considering such a project in the current climate”

Seamus Roche, Foreman on site



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Hygiene

Hand Dryers assist Hand Hygiene

Hand hygiene is the most important measure to avoid the transmission of the Covid-19 virus and harmful germs. Washing and sanitising your hands thoroughly and frequently is essential and has proven to be a strong deterrent in the spread of the virus. After washing it is equally important to ensure your hands are completely dry. By using ATC High Speed Eco hand dryers, you can be assured of dry hands in 15 seconds.

HIGH SPEED HAND DRYERS

Option 1 Tiger ECO

Hygienic, no touch operation, high speed hand dryer. Dries hands in 15 seconds. Optional In-Built HEPA filter available below.

Optional In-Built HEPA filter removes 99.97% of bacteria particles down to 0.3µm. Also fitted with UV light to reduce bacteria build up.



HEPA Filter

Option 2 Panther ECO

With a 5 year warranty, this durable high speed hand dryer is effective – perfect for high traffic areas such as schools or universities. The optional HEPA filter captures 99.9% of harmful particles.



SOAP DISPENSER & HAND SANITISER

Dahlia Dispenser & Station

Hygienic, no touch operation, soap or hand sanitiser dispenser. Battery powered with just 6 x AA batteries required. Wall mounted in minutes. Also available as an adjustable height floor station.



To protect yourself against the new coronavirus, you should frequently clean your hands with an alcohol-based hand rub or wash them with soap and water. Once your hands are cleaned you should dry them thoroughly by using paper towel or a warm air dryer.

#2019mCoV



Practical recommendations for hygiene in schools are available from ATC. For detailed information on Hygiene visit www.who.int



Comparison with Paper Towels



Savings per year €1,198

Based on 312 days 200 dries per day

Comparison with Paper Towels

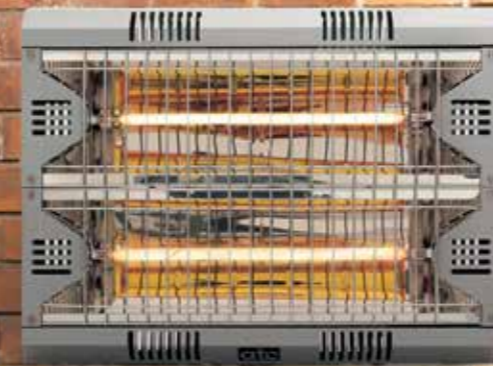
 atc Panther ECO	Vs	 Paper Towels												
Annual Energy Cost €102.76 Annual CO₂ Emissions 85.9kg		Annual Energy Cost £1,248 Annual CO₂ Emissions 786Kg												
<table border="0"><tr><td>Electrical Cost kWh</td><td>€0.28</td></tr><tr><td>Hand Dryer Wattage</td><td>700/1400w</td></tr><tr><td>Drying Time</td><td>15 seconds</td></tr></table>	Electrical Cost kWh	€0.28	Hand Dryer Wattage	700/1400w	Drying Time	15 seconds		<table border="0"><tr><td>No. of Towels per Dispenser</td><td>200</td></tr><tr><td>No. of Paper towels per dry</td><td>2</td></tr><tr><td>Cost per Paper towel</td><td>€0.01</td></tr></table>	No. of Towels per Dispenser	200	No. of Paper towels per dry	2	Cost per Paper towel	€0.01
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Cost per Paper towel	€0.01													

Savings per year €1,145.24
Based on 312 days 200 dries per day

For more detailed information, please contact our Technical Team

atc[®]

Your Heating Partner



Digital Heaters
Commercial Heaters
Thermostats and Controllers



amazon alexa Google Assistant

Wi-Fi Heaters
Outdoor Heaters
Bathroom Range



Electric Radiant Heaters

Radiant heaters heat People and Surfaces

By installing mechanical ventilation or opening windows you will create air movement and air changes. Traditional heating methods such as conventional heat, heats the air which in turn heats the space or room. This is a most inefficient method of heating in these situations.

Radiant heating systems do not create air movement and therefore reduce particle movement and dust. Radiant heating provides the most hygienic method of heating the occupants and the surfaces such as desks and tables to ensure a comfortable environment. These heaters can be controllable and easily installed in ceiling or hung in rooms with high ceilings.

LOW TEMPERATURE RADIANT CEILING HEATERS

Surface mounted or recessed into T-bar ceiling grid. 2 sizes: 595x595 (300W) and 595x1195mm (600W). Suitable for ceiling heights of 2.6-3m and can be controlled by room thermostats or Building Management Systems.



HIGH TEMPERATURE RADIANT CEILING HEATERS

Surface mounted or wall mounted (with separate mounting bracket). 3 sizes: 1800W, 2400W, 3600W. Suitable for Gyms, Halls and large spaces with high ceilings: 3m-5m height.



Radiant Heaters heat People and Surfaces:

- Does not create air movement
- More hygienic than convectional heat



LOW TEMPERATURE CEILING HEATERS
Suitable for Classrooms, Offices, Canteens, Lockers, Washrooms



HIGH TEMPERATURE CEILING HEATERS
Suitable for Gyms, Halls, Assembly Areas with high ceilings

Wash – Water Heating Options

The Importance of Hand Washing

Hands are a pathway of germ transmission with Covid -19, therefore washing hands effectively is a very important step in protecting against the virus, illness and infections. Electric water heaters offer an efficient method of heating water while reducing energy consumption as only the water required is heated.

Why Use ATC Unvented Water Heaters?

Energy Efficient

- Fitted with Polyurethane Foam Insulation that reduces heat loss, which Reduces Energy consumption and ensures High Energy Efficiency
- External Thermostat Control with Economy setting for Energy Efficiency
- High performance 2KW square flange heating element which is more Durable and Efficient

Tough and Durable

- Unique Dry Porcelain Enamel Tank lining delivers at least twice the Corrosion Resistance of ordinary glass lining
- Fitted with a Premium Protective Magnesium Anode which equalises aggressive water action and provides Extra Protection against Corrosion

Safety

- Fitted with Thermostat and Limiting Device to protect against overheating

UNVENTED WATER HEATERS

W5-U, W10-U

Compact design for point of use applications. Available in 5L & 10L models. Easy to install and reduces energy consumption.



W15-U

14L under sink water heater provides the deal solution for supplying a number of sinks, without the need for special taps.



INSTANTANEOUS WATER HEATER

INST5.7

Compact Instantaneous water heater provides instant hot water for the smallest of spaces. Only heats water when in use making it energy efficient.



Unvented Water Heaters:

Recommended Selection Guide

Capacity of Water Heater	Number of Basins
5 litres	1 – 2
10 litres	2 – 3
15 litres	3 – 4

Note: These figures are for guidance only.

Heat up time

15 litres – 32 minutes

Instantaneous Water Heater:

Capacity of Water Heater	Number of Basins
5.7kW	1

Mains fed for instantaneous warm water per basin

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DISCLAIMER: In this catalogue we have attempted to ensure all the information and dimensions are correct. We cannot and will not take responsibility for mistakes or omissions of information to any product.



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