

**Draught-free, discreet, energy efficient,  
whole-system solutions for air conditioning,  
heating, air purification, fresh air ventilation  
and de-humidification for your business**



The Ingenious  
Air Company

**Here to create your perfect indoor climate**

# For an indoor climate so pure, you could be in the Rockies



**Ingenious fact:**

Our systems are manufactured in Canada, where their beautiful but harsh climate makes cooling and heating businesses a tougher job than in the UK. That's why you can be sure our systems will out perform many of our competitors.

# The ultimate working environment

Whether you are looking for the perfect indoor environment to boost staff productivity, wow your customers or to simply get your job done properly, our small vent systems can be a sound investment for your business. Ingeniously designed to deliver draught-free, even temperatures from floor to ceiling and wall to wall, our low carbon, energy efficient systems are particularly effective at improving working conditions for office staff and creating an unrivalled environment for manufacturers. For those in the retail and leisure industries, our systems can ensure your customers return again and again by providing the perfect indoor climate.



Draught-free, even temperatures from floor to ceiling and wall to wall

All businesses are different and have different needs, but you'll find many have common ground when it comes to frustration with their heating, ventilating and air conditioning (HVAC) systems. Are you one of the many fed up of office arguments over room temperature? Are you dreading the onset of winter weather and the entire office being depleted by the same winter bug? Have you had enough of customer or employee complaints about hot and cold spots? Or are you one of the many losing an important revenue stream because of an inability to use/hire out certain rooms in the summer months because they are uncomfortably hot? You are not alone, neither is your business the only one being hit by a drop in productivity whenever the weather changes and your indoor environment can't adapt.

Our systems eliminate draughts, hot and cold spots and uneven temperatures, while also offering highly responsive temperature control, stylish design which blends into any décor, a low carbon footprint and easy installation. Let us introduce you to our three modular small duct systems; the **Toronto**, the **Montreal** and the **Vancouver**. Our Canadian themed small vent systems run on proven but innovative technology and have been manufactured and installed since 1983. They can be used in all commercial and industrial applications and are particularly effective where indoor environment is crucial to the running of your business.

Our small vent systems offer a draught-free, discreet, responsive, highly versatile, whole system solution for heating, cooling (refrigerant or chilled water), de-humidification, fresh air ventilation and/or air purification in any combination. Our systems give you the ultimate in choice; have your system set up just for one solution, or use all five.

Whatever your business needs,  
we have a look for you



**Ingenious fact:**

Our systems can help your business comply with the Workplace (Health, Safety and Welfare) Regulations 1992, which state: Workers should not be exposed to uncomfortable draughts.

## Draught-free and discreet

All three systems offer draught-free, discreet, indoor air distribution by using pressure to move air to where it is needed via a series of unique, flexible, small diameter ducts (mini ducts) positioned in 'out of traffic' areas in walls, ceilings and floors.



Machine room with white outlets in ceiling

Our innovative systems offer a fantastic range of unobtrusive air outlet vent plates to blend perfectly into your surroundings. They can be sited in walls, ceilings, floors or bulkheads and are made out of many compositions including plastic, metal and wood. They are available in a range of shapes and sizes, including our round outlets or linear grilles and can be painted any colour of your choice for a near invisible finish. If you are after something truly unique, you can even design your own outlets, just contact us to talk through your ideas.

There are other advantages too. The positioning of our outlets gives you total flexibility when it comes to room layout. In buildings that need more sensitive solutions, e.g. listed buildings where the décor has a significant value (physically and historically), an office where the final layout has not been confirmed, or a building suffering from sick building syndrome (where fresh air ventilation or air purification has not previously been possible), the air outlets are a perfect solution.



Listed building? Our unobtrusive air outlets can be painted to match any décor

Our environmentally friendly systems work in conjunction with all known alternative and sustainable energy sources including: air to water heat pumps, air to refrigerant heat pumps, ground source heat pumps, high efficiency boilers, solar panels and chilled water systems. Pair a heat pump with intelligent controls such as the Nest Learning Thermostat and you will be running a highly efficient, low carbon system, which will provide significant energy cost savings.

# Keep your workforce protected from airborne bugs



## **Ingenious fact:**

Tough SCR policy to hit? Our systems have fewer components and can offer more flexible installation options, they therefore have a greatly reduced manufacture and installation carbon footprint than many of their rivals.

# Complete system control at your fingertips

Our range of controls, include the innovative Nest Learning Thermostat. The Nest controller has been developed to learn your work schedule and programme itself based on the day-to-day running of your business. This ensures you only heat or cool your premises when you need it, helping to greatly reduce energy bills while also providing the perfect working environment.

We can provide controls in a range of finishes and all of our controls feature fully programmable individual temperature and time control for up to eight rooms, rapid response and even temperatures throughout the room within 1°C. You can find more about our full range of air outlets and controllers online at [www.ingenious-air.co.uk](http://www.ingenious-air.co.uk)



Real solutions for traditionally hard to heat and cool areas

## A healthy working environment for all

As worrying as it sounds, indoor air is full of pollutants such as dust mites, bacteria, viruses, mould spores, pollen and chemicals. Add poor indoor air quality into the working environment and you have an indoor climate ripe for spreading infection and pollutants through the air your staff breathe. This has an obvious affect on sickness rates and productivity and could be costing your business a substantial amount of money each year. For those in the manufacturing and food preparation industry, a ruthlessly clean environment can be vital to operate effectively.

Our small vent systems can introduce 100% fresh air ventilation into your premises, either directly or via a heat recovery system, creating a cleaner and healthier indoor environment. For those working in more polluted areas, those in premises suffering from Sick Building Syndrome,

Did you know that NASA chose the HEPS Purifier to protect astronauts in the NASA space station from illness, allergy and toxic chemicals (VOCs). The same advanced technology can now create a cleaner and healthier environment for your business. The HEPS Purifier is an optional extra for all of our small vent systems, we also offer a stand-alone portable HEPS Purifier too.

# Increase productivity and stop the arguments over room temperature



## **Ingenious fact:**

Did you know that temperatures between 21-22°C make you the most productive. Once temperatures rise above 22°C productivity will start to fall. By the time temperatures hit 30°C, you'll see a 10% reduction in staff productivity.

or those requiring a perfectly pure indoor environment to operate effectively, the HEPS air purification module is an optional extra for the Toronto, Montreal and Vancouver systems. It is a powerful in-duct air purifier, which cleans air down to the last molecule, up to 3000 square feet per purifier. The HEPS Purifier creates superior indoor air quality by deactivating all three types of serious indoor air pollutants including:

1. Airborne disease-causing microscopic particles
2. Airborne primary sources of allergy
3. Airborne toxic volatile organic compounds (VOCs)

We also offer all the benefits of the HEPS Purifier in a portable stand-alone system, perfect for smaller applications where our small vent systems are not installed. Contact us or visit our website for more information on HEPS and our portable HEPS Purifier [www.ingenious-air.co.uk](http://www.ingenious-air.co.uk)



Does your business need a specialist indoor environment? We have the solution for you

## Easy installation & hassle-free maintenance

Our systems can be conveniently hidden in the roofspace, basement, cupboards or even above ceilings. We have installed the systems in many commercial and industrial applications, from offices, listed public buildings and sports centres, to factories, shops and even airport bus stations. Each system is designed bespoke to your requirements and the demands of your building. Our systems are designed for quick and technician-friendly installation and carry a lower maintenance requirement than traditional HVAC systems. Although we hold our own installation team at The Ingenious Air Company, the system is so intuitive, it can be installed by air conditioning engineers, heating contractors or plumbers without specialist knowledge or equipment.\* We can also take the hassle out of maintenance too with our Maintenance Plan. Sit back and relax while we take care of the maintenance side of things at a time that suits you.

\*Contractors have to abide by Building Regulations and be F-Gas registered if using refrigerants. We also recommend contractors attend one of our training days to ensure they are competent to install our systems.

- 1) Our systems all carry a low carbon installation footprint
- 2) Our systems work on the principle of de-stratification to harvest heat that would otherwise gather at high levels inside buildings and re-distribute it
- 3) We use top of the range controls to ensure your system is as energy efficient as possible
- 4) The system can also utilise heat recovery ventilation to save energy.

# Discreet, draught-free and energy efficient - what's not to love?

## Small vent systems Vs conventional HVAC options

	Toronto, Montreal & Vancouver	Traditional air conditioning systems	Traditional heating (radiators)	Underfloor heating	Conventional warm air heating
Draught free	✓	✗	✓	✓	✗
discreet	✓	✗	✗	✓	✗
Even temperatures	✓	✗	✗	✓	✗
Rapid response	✓	✗	✓	✗	✗
Heating	✓	✗	✓	✓	✓
Cooling	✓	✓	✗	✗	✓
Purification	✓	✗	✗	✗	✗
Ventilation	✓	✓	✗	✗	✓
De-humidification	✓	✗	✗	✗	✗
Energy efficient	✓	✗	✓	✓	✗

# The perfect indoor climate for your business

Need a few more reasons why our small vent systems are perfect for your working environment?

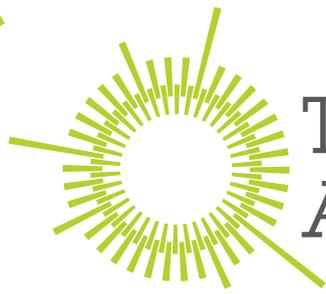
- 1) Our systems can deliver the perfect indoor climate, ensuring you never have to deal with complaints of draughts, hot and cold spots, stale air or uneven temperatures again.
- 2) Our products offer a whole system solution for heating, cooling - refrigerant or chilled water - fresh air ventilation, air purification and de-humidification in any combination, in a single system, without the need for radiators or in ceiling/on the wall units.
- 3) We offer affordable lease finance options over 2, 3, 4 and 5 years for our commercial clients. Contact us to find out more.
- 4) Our products achieve an energy efficient, low carbon installation that can help enhance the green credentials of any project and lower your energy bills.
- 5) Our products offer quick, flexible and easy installation alongside simple maintenance.



Our draught-free systems can't even move these balloons

- 6) Our systems are compatible with all sustainable energy sources including air source heat pumps, air to water heat pumps, ground source heat pumps, solar and high efficiency boilers.
- 7) We have the only HVAC system in the UK to offer the HEPS Purifier to clean air down to the last molecule for unrivalled air quality.
- 8) Our products are ideal for use in listed buildings and tricky applications where traditional systems may not be an effective or energy efficient alternative.
- 9) You have an unrivalled choice when it comes to air outlets - have them blend seamlessly into any interior for a near invisible installation. You can even design your own.
- 10) The Ingenious Air Company will always be here to support you and answer questions, whether we are supply only, or offering a full supply, design, install and maintenance package.

If you are looking for more technical information on our systems, or want a more in-depth overview of system components and practical applications, please visit [www.ingenious-air.co.uk](http://www.ingenious-air.co.uk). You can also talk to us direct or request our comprehensive buyer's guide, telling you all you need to know about buying our Toronto, Montreal or Vancouver systems. Call us on 0800 731 6352 or 01268 544530, you can also email [sales@ingenious-air.co.uk](mailto:sales@ingenious-air.co.uk)



# The Ingenious Air Company

We are The Ingenious Air Company, heating, ventilation and air conditioning (HVAC) experts and skilled installers with over 30 years' experience in the industry. We live and breathe quality, bespoke heating, ventilating, air conditioning, air purification and de-humidification systems, and have a passion for creating the perfect indoor climate for you, our clients.

Our vision is to make poor indoor air quality a thing of the past. We believe that no one should have to put up with a bad indoor climate, with draughts, hot and cold spots, uneven temperatures or stale polluted air that can make us ill.

If you chose our team for design, supply, install, or maintenance we will liaise with you every step of the way to make sure you are always aware of what is going on. Our team of skilled, knowledgeable and polite installers are F-Gas Registered and will be on hand to answer any questions and make sure you have the best installation possible.

We operate throughout the UK and typically schedule installations through the week from Monday-midday Friday\*\*. Weekend installations are also available by arrangement.

We are an open, honest and friendly family-owned business that guarantees the highest level of service, whether you have been with us for 10 minutes or 10 years. We are always at the end of the phone or email and can give you all the information you need to choose the right option for your business.

We offer free quotations for supply, install, commissioning and maintenance, so what have you got to lose? We also deal with traditional air conditioning systems too. If you are on a landline, give us a call on 0800 731 6352. If you are on a mobile, you'll find 01268 544 530 the cheapest way to call. You can email us at [sales@ingenious-air.co.uk](mailto:sales@ingenious-air.co.uk)

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\*\* Our on-site working days on a Friday are shorter than the rest of the week due to weekly team and project meetings starting from 2pm.