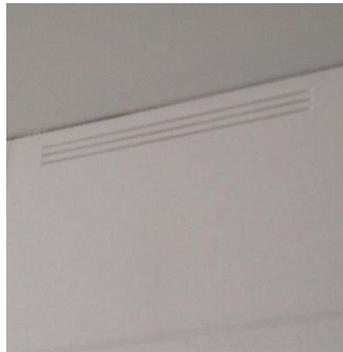


Case Study

For Your Perfect Indoor Climate



Key Benefits

- ✓ Air purification removes all three types of serious indoor air pollutant, which can lead to short and long-term ill-health.
- ✓ Banishes unpleasant smells.
- ✓ Flexible, smaller ducting fits into restricted spaces that standard ducting cannot reach.
- ✓ Discreet air outlets blend beautifully into the interior design.

Air Purification Only Option for Luxury London Apartment

The problem: The owner of this large three bedroom apartment in London's prestigious Park Lane was concerned about the city's poor air quality. She understood how indoor air quality is affected by both indoor and outdoor air pollution. She also understood the potential negative impact poor indoor air quality could have on his health. As the apartment already had heating and air conditioning, she needed a system to provide air purification only to clean the air. The system also needed to solve the issue of very restricted space for ducting.

The solution: One HE-71 Ingenious Air Small Duct System with high specification air purification, but no heating or cooling, was installed. Ducting was routed through the floor joists to solve the issue of restricted space. The air handling unit (core of the system) was positioned upside down to supply purified air vertically downwards into the floor ducting. The floor ducting terminates in slotted air outlets installed in the skirting boards. These deliver purified air to every room. In the bathrooms purified air is also delivered via air outlets positioned at high level in the walls.

Follow up: The Ingenious Air Small Duct System gently re-circulates and purifies the indoor air. It removes all three types of serious indoor air pollutant, which can lead to short and long-term ill-health:

1. Airborne toxic volatile organic compounds (VOCs) including nitrous oxide, carbon monoxide, fumes and unpleasant odours from car exhausts.
2. Airborne bacteria and viruses (0.001 microns) that cause infectious illness including influenza, colds, tuberculosis, chickenpox and c.difficile.
3. Airborne particulates that cause allergies including pollen, dust mites, and tobacco smoke.

A fan speed control allows for switching between a high speed setting when the apartment is unoccupied and a low speed setting during occupation. At the lower fan speed the full volume of air of the apartment is drawn through the purification unit every four hours or so – i.e. there are approximately six full air changes per day. During unoccupied times when smells normally build up this increases to approximately one air change per hour.

The owner enjoys clean and healthy air. The Ingenious Air Company provides routine planned maintenance twice a year to ensure the air purification maintains optimum effectiveness.



The Ingenious Air Small Duct System - WINNER of UK 'Air Conditioning Product of the Year' RAC Industry Cooling Awards 2015

Call for a FREE quotation today on **0800 7316352 / 01268 544530** or email info@ingenious-air.co.uk.
Find out more at www.ingenious-air.co.uk. Ask about our product design training and installation training.

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