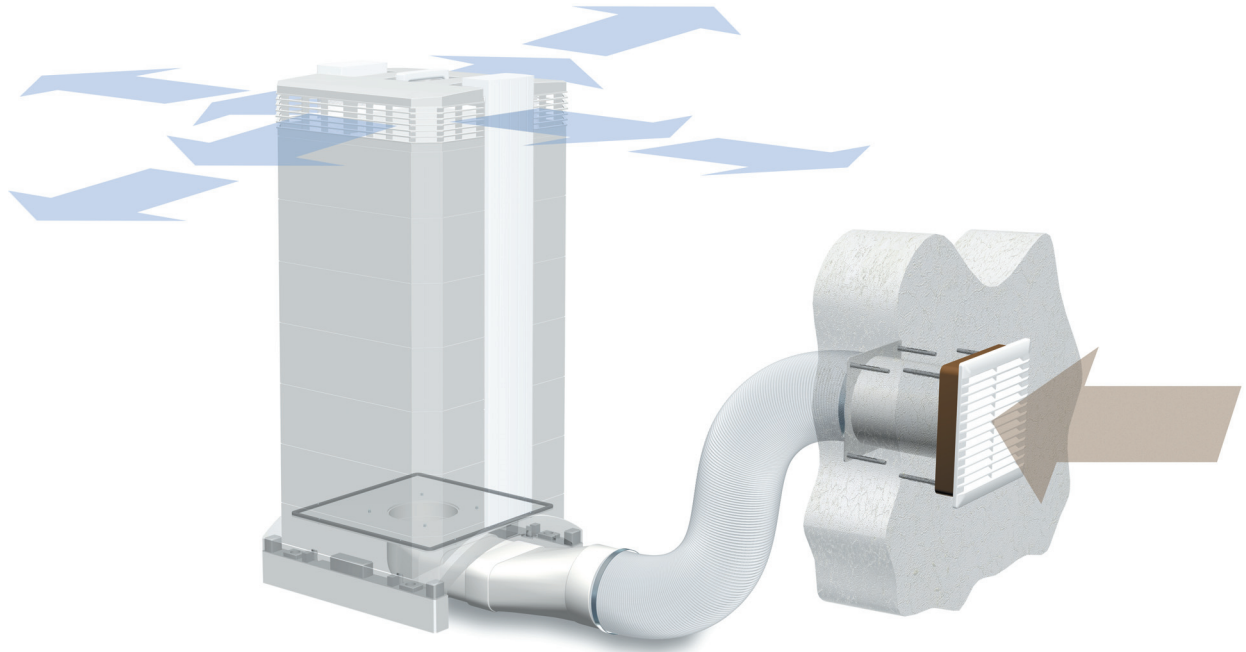


InFlow[™]

Ducting Adaptor for IQAir[®] Systems



The InFlow ducting adaptor can be connected to any compact IQAir air cleaning system. It enables the system to draw in polluted and contaminated air from outdoors or adjacent rooms. The IQAir system filters the airborne pollutants and pathogens and expels the cleaned air to the indoor environment. Thus the InFlow ducting adaptor can be used to provide clean air ventilation, positive pressure isolation or negative pressure containment of harmful airborne microorganisms and particulates.

Applications

Medical

- Isolation wards
- Intensive care units
- Burn wards
- Operation theatres
- Organ transplant units
- Oncology wards
- Research, IVF and microbiologic laboratories
- TB isolation and anterooms
- Homes of allergy sufferers
- etc.

Commercial

- Cleanrooms and controlled environments
- Manufacture and packaging of medical devices
- Food manufacturing and processing
- Air showers/air locks
- Cleanroom dressing rooms
- Data storage rooms
- Computer and server rooms
- Data storage rooms
- Archives

Features and Benefits

The InFlow ducting adaptor combined with any compact IQAir stand-alone air cleaning system can be used in a variety of applications to

- create positive pressure (e.g. protective isolation)
- create negative pressure (e.g. containment isolation)
- ventilate a room with clean and fresh outdoor air

Positive Pressure Environments

The supply of filtered air to a closed indoor environment reduces air pollution in that area by dilution and the creation of positive pressure, which reduces the influx of contaminated air from outside the environment. With the InFlow adaptor, the IQAir filtration system is positioned inside the room where the clean air is desired.



Negative Pressure Environments

Airborne infection control guidelines for hospitals and other healthcare institutions often demand the creation of pressure differentials to control the spread of infectious airborne microorganisms and protect patients, staff and visitors. With the InFlow connected to a high-efficiency IQAir system, contaminated air can be drawn from a patient room creating

a containment isolation area. The negative pressure results in the effective containment of airborne pathogens within the closed room. The IQAir system then removes all viruses, bacteria and spores with 99.5% efficiency (99.97% @ $\geq 0.3\mu\text{m}$) thus delivering virtually particle-free air to an adjacent area.

Fresh Air Ventilation

The delivery of fresh, oxygen-rich outdoor air is essential for the basic ventilation of indoor environments. Outdoor air, however, will also contain undesirable airborne contaminants and pollutants. With the help of the InFlow ducting adaptor connected to an IQAir system, filtered outdoor air can be supplied to an indoor environment. Supplying filtered outdoor air to a room reduces indoor pollutant concentrations and introduces oxygen. Thus the well-being of the inhabitants can be increased considerably.

Quick and Simple Installation

With the help of the InFlow ducting adaptor, every IQAir system can be connected simply and rapidly. For the installation of the InFlow, only one wall aperture is required. The large diameter of the ducting connections helps to reduce air resistance. The flexible ducting tube may be bent in any direction.

Technical Specifications

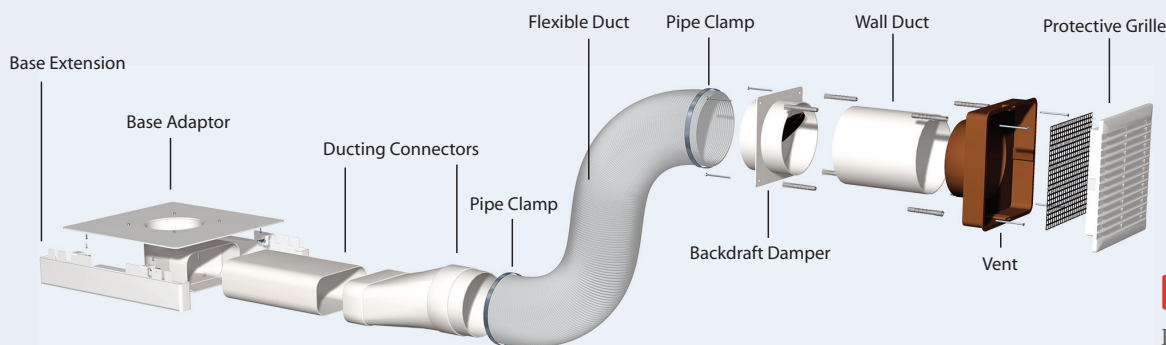
- Required wall aperture: Diameter 130 mm (5.1")
- Length of wall duct: 100 mm (4") and 150 mm (6")
- Diameter of duct: 125 mm (5")
- Length: 250 mm (10") to 1000 mm (40")

IQAir Compatibility

Compatible with all IQAir compact stand-alone filtration devices. Not compatible with accessories PF40, VMF, FlexVac, VM FlexVac and Mobility Casters.

Installation Instructions

1. Insert base extensions into the feet of the IQAir system and screw tight.
2. Place base adaptor into the base opening of the IQAir system and secure with the 8 Torx screws.
3. Join the ducting connectors together and seal with tape.
4. Connect flexible duct to ducting connector with the pipe clamp.
5. Insert the wall duct into the wall aperture.
6. From the other side, insert the vent into the wall duct and secure the vent to the wall.
7. Place the protective grille over the vent and screw tight.
8. From the near side, insert the backdraft damper into the wall duct and secure to the wall. Ensure that the damper is fitted the correct way round (i.e. not to obstruct the airflow).
9. Attach the flexible duct to backdraft damper with pipe clamp.




First in Air Quality

The indoor air quality (IAQ) improvements that can be achieved with IQAir devices depend not only on the system performance, but also on factors which are specific to the indoor environment, such as room size, type and concentration of contaminants and source intensity. Consult a qualified IAQ specialist to determine an effective and comprehensive IAQ strategy. Source control and ventilation should be considered first in solving any IAQ problem.

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