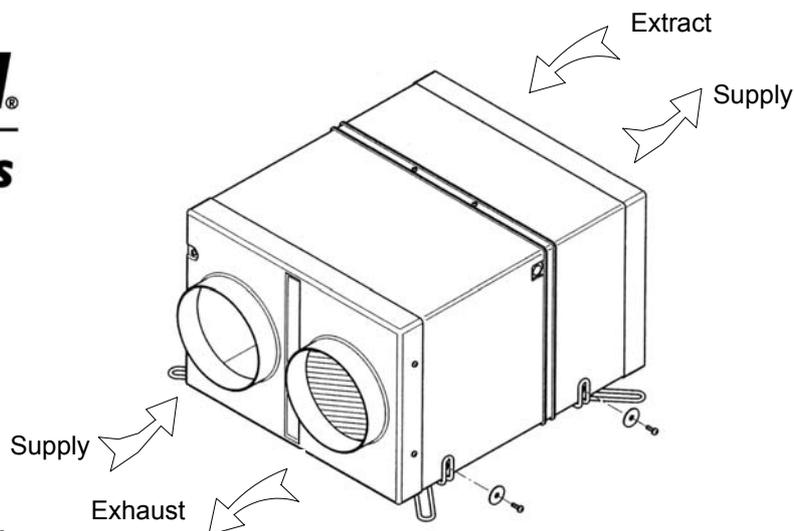


Vent-Axia®

Clean Air Systems

HRX4 Recovery Unit for Ducted Ventilation



Installation and Maintenance Instructions

- 70% heat transfer
- Lightweight polymeric heat exchanger that is washable for easy cleaning
- Mounting frame supplied
- 22mm compatible condensate drain

APPLICATIONS

The HRX4 is a remote mounting unit to provide balanced ventilation with up to 70% heat recovery for applications where there is no immediate access to an external wall. The HRX4 is compatible with various 150mm Diameter centrifugal in-line fans which are ideal for this application. The unit provides dedicated supply and extraction duct runs to internal areas. Spigots are compatible with 150mm diameter rigid or flexible ducting.

Fresh pre-warmed air from outside is continually provided with simultaneous extraction of stale air and smells. Heat is transferred from outgoing air to the fresh air supply via a unique plastic heat exchanger with zero cross-contamination, maintaining temperatures and providing a fresh environment. Access to the heat exchanger is via four screws on the end spigot plate, and it is recommended that it should be washed in warm soapy water every 12 months (normal conditions) or as required by the degree of airborne pollution.

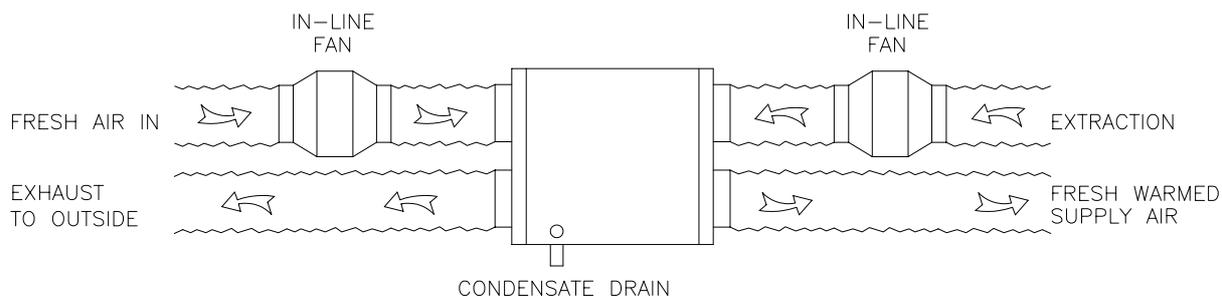
HEAT EXCHANGER

The patented design unit comprises a series of plates arranged in a tightly layered stack and made entirely of plastic. The heat exchanger is sonically welded, ensuring that the air streams are completely separate and that there is no cross-contamination. Extensive development has resulted in the optimum balance between turbulent and laminar air flows, so that up to 70% of heat energy is reclaimed from the stale outgoing air.

ALL PLASTIC CONSTRUCTION

Makes for a lightweight, robust, compact and corrosion free unit.

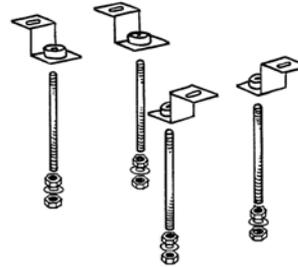
TYPICAL INSTALLATION



EASY INSTALLATION

The HRX4 can only be mounted in a horizontal position, and is ideal for installation above a suspended ceiling, in a cupboard or a loft space. The HRX4 can be fixed directly to a suitable surface via the mounting frame (supplied). Alternatively, it can be suspended using a drop rod system (order Ref: SPROD4). 150mm ducting (either flexible or rigid) is used to connect the unit to both the fans and internal and external terminals.

SPROD4
Suspension Drop Rods



INSTALLATION INSTRUCTIONS

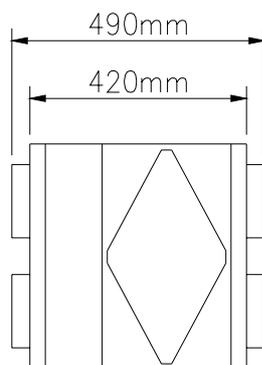
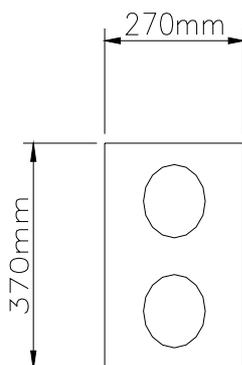
1. Remove the HRX4 unit, mounting frame and other ancillary equipment from the packaging.
2. Before finding a suitable site for installation of the unit, make sure that there is suitable access for the removal of ducts and also the heat exchanger for maintenance purposes.
3. Screw down the mounting frame (with the screws provided) to selected location or suspend it on a drop rod system and make sure it is secure to prevent any vibration.
4. Screw the HRX4 into place on the mounting frame, again making sure it is secure.
5. Connect a 22mm drainage system to the unit in order that the condensate can be removed from the unit.
6. Connect flexible or rigid ducting to the HRX4 unit, fans and terminals as required. When using flexible ducting, it must be stretched to ensure minimum air flow resistance.

MAINTENANCE

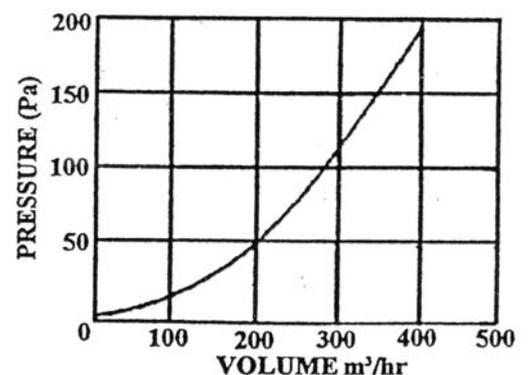
In heavily polluted internal environments, it is recommended that internal grilles are fitted with washable filters (Grille Ref. ESG150). These filters should be removed and washed on a regular basis (1-3 months). The heat exchanger within the HRX4 unit is itself fully washable. This should be examined every 12 months for build-up of dust or debris. The heat exchanger is easily removed by undoing four screws on the end spigot plate and simple sliding the heat exchanger from the unit.

Weight: 6Kg.

DIMENSIONS



PRESSURE DROP



Vent-Axia[®]

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