HAVEN TERMINAL SPECIFICATION – HTS 4/9/12

SPECIFICATION

GENERAL
The Haven Supply Terminal (patent applied for) shall be suitable for supply ventilation rates of 40 – 120 l/s* via the specified quantity of independent supply ports, each with 360 degree directional adjustability. The air shall be discharged from each port at an initial velocity not exceeding 1.5 m/s, and at an initial angle of 45 degrees from the horizontal. The terminal shall include means of flow equalisation.

The non-combustible terminal housing shall be constructed from heavy gauge Aluzinc coated steel and shall be compatible with square ceiling tile grids with nominal 600mm module dimensions. The housing shall be installed such that its lower face is flush with the ceiling surface and shall be rigidly supported from the building structure using the fixing detail provided.

Each terminal shall be provided with 1 side mounted air entry point with ducting connection spigot. Note that access to the interior of the terminal is necessary for inspection and maintenance of (optional) filter and air treatment components and shall be provided via the hinged lower terminal face.

The Haven Supply Terminal shall suitable for use with a range of compatible filters. The filters shall be conveniently replaceable in situ.

Fascia's are painted in Signal White (RAL 9003).

It shall be possible to add / alter / upgrade the type of filter fitted in the terminal – but note that this will affect the airflow delivery performance of the system, and the fans used must be compatible with the revised operational requirements. The terminal shall be constructed with leakage and filter bypass rating appropriate to the highest grade of compatible filter.

The Haven Terminal shall be fitted with pressure tappings for use with an optional filter pressure indicator. Contact Nuaire for details.

FILTRATION
The Haven Supply Terminal shall optionally be supplied with a compatible air filter. Compatible filters types available for the Haven Supply and Extract Terminals shall include:-
EN 1822:E11 ISO 20E / EN 16890 ePM1 > 80% and EN779:2012
F9 / EN 16890 ePM1 > 55% and EN779:2012 F7 / ACTIVATED
CARBON for NOx, SOx VOC removal.

Since the useful life of an air filter is highly dependent on local conditions, the recommended strategy for filter maintenance is to inspect after 3 and 6 months of operation use, assess filter condition based on the degree of contamination that has developed and determine the appropriate service interval.

Refer to Nuaire Guide to Filtration for discussion on filter life expectancy. Alternatively, a compatible filter pressure indicator is available. Nuaire recommend a pressure increase over clean conditions of 125Pa. As an example, at full capacity in a polluted urban environment the useful life of a ePM1 >80% filter is estimated to be 6 months.

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