



ProAir

FEX TERMINAL

The FEX Terminal is a low cost efficient solution that facilitates the ingress and egress of air to and from a MVHR unit.

The FEX Terminal ensures that no cross contamination of Fresh and EXhaust airflows occur as they enter/leave the building. The FEX Terminal is proprietary to ProAir Systems with Patent Pending status.

The terminal has been independently tested by the Centre for Sustainable Energy of Galway Mayo Institute of Technology (GMIT). It is available for sale directly from ProAir Systems.



INSTALLATION

The unit is made up of the base-plate and the cover-plate. One side of the base plate has two spigots which are faced to the inside of the building and connected to the ventilation unit. The other side has one spigot and is for the exhaust air. The exhaust should always be on the bottom and directing the air away from the building at 45 degrees. The spigot also serves to carry any condensate in the exhaust away from the building and so preventing stains on walls.

The cover plate is fixed to the base plate with four nuts and is easily removed in order to facilitate the closing of these openings to facilitate Air-tightness testing. The terminal can be fitted to any external surface using the four screw-holes provided and the lip turned out on the base plate can serve as a guide in those situations where it will be set in plaster.



AIRFLOW PERFORMANCE

The FEX Terminal is fabricated from 1mm zentec coated steel primed and finished in a powder coating at high temperatures. As with all auxillary ventilation equipment the FEX will add some resistance to the flow of air. This resistance will then create a slight pressure on the system. This pressure will vary with the amount of air moving through it. The chart below indicates this:

EXHAUST AIR			SUPPLY AIR		
Meters cubed/hr	Litres/sec	Pa	Meters cubed/hr	Litres/sec	Pa
100	27.8	8	100	27.8	7
150	41.7	11	150	41.7	10
200	55.6	15	200	55.6	14
250	69.4	21	250	69.4	19
300	83.3	28	300	83.3	26
350	97.2	37	350	97.2	35
400	111.1	49	400	111.1	44



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