

Expander Box Weather Louvre

AFP Air Tech Ltd



The EXP Exterior Louvre unit is used with AFP's DUX range of pressure relief vents in halocarbon installations. It has been specifically designed to provide a Free Vent Area (FVA) matching that of DUX while providing the weather protection essential for two-way vents in exterior walls.

The weather sealing must be maintained while supporting two-directional flow, a sealed external unit cannot be used, making an open louvre design essential due to the initial negative pressures created on discharge of a halocarbon.

The louvre blades are assembled into a custom-designed 'Expander Box' – hence EXP - which increases the effective FVA to match the 85% FVA of the DUX. The result is a fixed blade louvre larger than the internal vent, offering no restriction and adding zero to the Vent Dynamic Coefficient (vDc). (Other fixed louvres on the market typically provide at most only 50% FVA) The EXP 300 & 500 are fitted with a new storm shield which is a carefully designed mesh that prevents storm blown rain entering behind the unit whilst having zero effect on any blast protection.

PRODUCT SPECIFICATION

Product Code	EXP300	EXP500	EXP700	EXP1000
Neg Free Vent Area	0.077m ²	0.212m ²	0.416m ²	0.85m ²
Pos Free Vent Area	0.047m ²	0.128m ²	0.308m ²	0.556m ²
WxHxD	500x500x75mm	700x700x75mm	1050x1050x100mm	1450x1450x100mm
Weight	7kg	12kg	18kg	31kg

PRODUCT INFORMATION

- 300 & 500 louvres are powder coated steel construction RAL-9006 Grey as standard, special colours available upon request
- 700 & 1000 louvres are powder coated aluminium construction RAL-9006 Grey as standard, special colours available upon request
- Manufactured to ISO-9001
- The products carry a 5-year guarantee
- The EXP is surface mounted unit
- Can be retrofitted
- The EXP comes with fitting kit

DATA SHEET

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