

## Fixed blade external louvres (FBL)

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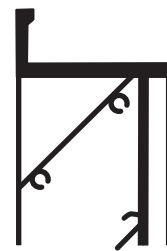
(FBL/NB and FBL/WB) are traditionally suited for air intake or discharge at ductwork start and ends of building elevations. They are also often utilised as an architectural feature to modern building design with their versatility lending itself to configurations of circular or trapezoidal designs. Roof top plant screening is also available. Full details of these special units are available on request from our sales office who can offer a full design service. Both narrow blade (pitch of 38mm) and wide blade (pitch of 76mm) external louvres have

45° blade extrusion with an integral rain lip. Standard 32mm wide undrilled outer flanges in aluminium have fully welded mitre corners as standard, with reverse angle flanges for recess mounting also available as an alternative. All units are complete with a birdscreen. Insect screens and extended lower rainlips are available optional extras. FBL louvres are mill aluminium finished as standard, but also available are stove enamel, polyester powder coating to appropriate BS or RAL numbers and Syntha-Pulvin finishes to SP standard colour range.



**FBL-NB**

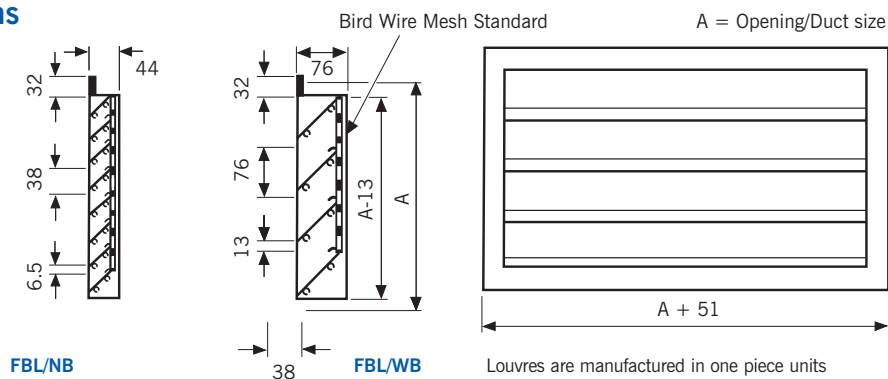
Narrow Blade Louvres  
38mm Pitch



**FBL-WB**

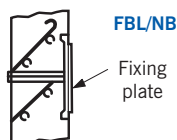
Wide Blade Louvres  
76mm Pitch

### Dimensions

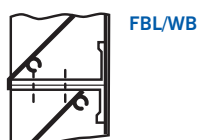


### REVERSE BUTT FLANGES FOR HORIZONTAL & VERTICAL JOINTS

Louvres exceeding 1800mm in height are supplied in sections with reverse butting flanges drilled for site fixing on the FBL/WB only. FBL/NB require a plate to be fixed to the reverse butt flange as per detail.



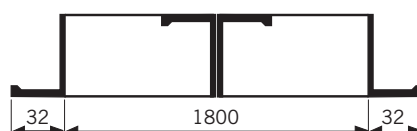
**FBL/NB**



**FBL/WB**

### VERTICAL SUPPORT

Louvres exceeding 1800mm in width can be supplied in sections with vertical support channels for alignment and site fixing if individual louvre face details are required.



Supporting steel can be supplied for large louvre applications generally in line with the detail above, for details of sizes and location please contact sales office.

## Performance data

### Fixed blade external louvres (NB & WB)

To select an opening size for a given air volume. Project a line from the known airflow through the jet velocity required and intersect line P-P.

Preferred opening sizes can be obtained by pivoting around this point. The carry over velocity for rain and snow is 2.25m/sec.

