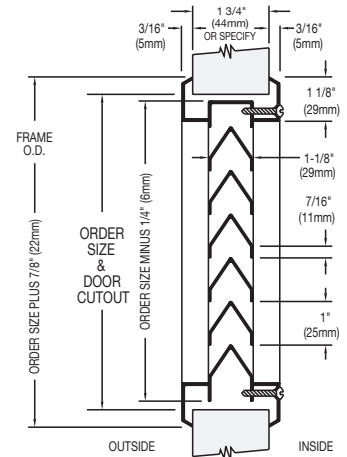
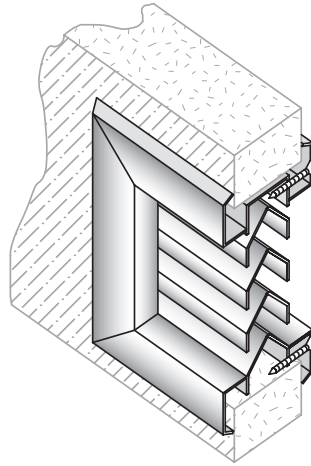


ANEMOSTAT METAL LOUVRES

AFDL.44 INVERTED Y LOUVRE - NON VISION

Our most popular louvre, the AFDL.44 is easy to install using screws that fasten the auxiliary frame to the louvre core through the cut-out in the door, leaving the corridor side of the frame free from fixings for added security and an aesthetically pleasing appearance. This eliminates the need to drill holes through the door, saving time and installation labour.

- Material: 18GA galvanised steel - frame.
22GA galvanised steel - louvre blades.
- Finish: Galvanised steel grey primed - other finishes available to order, including Grade 304 and Grade 316 stainless steel for use in coastal areas.
- Door thickness: AFDL.44 suits 44-46mm thick metal or timber doors.
See page 102 for AFDL-N to suit 38-44mm thick doors and AFDL-W to suit 45-55mm thick doors.
- Blade pitch: 35.8° from vertical.
- Louvre mesh: Insect and bird mesh available, see page 113.
- Free area: 50% free area. (36.6% when using insect mesh).
- Fixings: Special security fasteners available, see page 114.



FASTENERS

It is self-attaching through the cut-out in the door using #8 Phillips head sheet metal screws through countersunk mounting holes to attach the auxiliary frame to the louvre core, thus eliminating the need to drill holes in the door. This method saves time and installation labour and leaves the corridor side of the frame free of fasteners for added security, and a cleaner aesthetic appearance. Given that there are now three versions of this louvre to suit different door thicknesses (see AFDL-N and AFDL-W on page 102), two different screw lengths are supplied with them.

#8 x 25mm BZP Phillips head sheet metal screw to suit AFDL-N (38-44mm thick doors) and AFDL.44 (44mm thick doors).

#8 x 38mm BZP Phillips head sheet metal screw to suit AFDL-W (45-55mm thick doors).

These are supplied with the louvres. Optional Snake eye or Torx screws are available for applications where security is required on the external face. See page 114.

% FREE AREA

The free area of a louvre is an approximate percentage based on the open area between the blades through which air can pass. The percentage free area has long been used as a convenient means to select louvre type and size but is not an indicator of the louvre's performance (air flow rate).

LOUVRE AIR FLOW

We often get asked to confirm the air flow rates of both the AFDL and FDLS louvres. This can be calculated, but there are a number of variables that are required in order to do so. These are as follows:

1. Volume of air in cubic metres per second. This is usually specified as a minimum requirement value.
2. Desired air speed/pressure, usually in miles per hour/pascals.
3. Louvre type and size.

Using the above criteria we can determine the airflow for a specific size louvre, or the louvre size required to achieve a specific airflow. There is a useful louvre pressure drop calculator on the information/videos tab at www.anemostat.com/doorproducts.

ORDERING FRACTIONAL SIZED LOUVRES

Please note that if fractional inch sized louvres are required, the outside frame dimension is increased to accommodate the odd size. As only complete blades can be used when making louvres, the maximum number of one inch blades is calculated from the cut-out size and any surplus added to the outside frame dimension. If fractional sizes are required and the outside frame dimension is critical, please contact us for exact overall frame sizes prior to ordering. We would always recommend ordering the metric equivalent of exact inch size louvres, although any fractional size is available.

CORROSION

AFDL galvanised mild steel louvres have been successfully tested to Grade 4 (240 hours neutral salt spray exposure) in accordance with BS EN 1670:2007 Building Hardware - Corrosion Resistance. Report No WIL 392103 dated 30.01.2018 refers.

Specify Anemostat AFDL.44 stock sizes - save time and money



SMALL RECTANGULAR LOUVRE

AFDL.44 1008 254x203mm



SMALL SQUARE LOUVRE

AFDL.44 0808 203x203mm
AFDL.44 1010 254x254mm
AFDL.44 1212 305x305mm



HALF DOOR LOUVRE

AFDL.44 1836 457x914mm
AFDL.44 2436 610x914mm



MEDIUM RECTANGULAR LOUVRE

AFDL.44 1610 406x254mm
AFDL.44 1808 457x203mm
AFDL.44 1810 457x254mm



MEDIUM SQUARE LOUVRE

AFDL.44 1414 356x356mm
AFDL.44 1616 406x406mm
AFDL.44 1818 457x457mm



FULL DOOR LOUVRE

AFDL.44 1860 457x1524mm
AFDL.44 1866 457x1676mm
AFDL.44 2460 610x1524mm
AFDL.44 2466 610x1676mm



LARGE RECTANGULAR LOUVRE

AFDL.44 2412 610x305mm



LARGE SQUARE LOUVRE

AFDL.44 2020 508x508mm
AFDL.44 2424 610x610mm
AFDL.44 3030 762x762mm



FULL DOOR UNEQUAL PAIR LOUVRE

AFDL.44 1860 & AFDL.44 1260
457x1524mm & 305x1524mm

All above dimensions are cut-out and order sizes. The sizes shown are an indication of sizes available; please refer to chart on page 101 for full range of sizes. Any size can be manufactured to order including fractional inch sizes.