Konvekta LTD

EXTERNAL WEATHER LOUVRES

KWL RANGE

APPLICATIONS

- Louvres primarily used in ventilation and air conditioning systems to prevent water ingress at air intakes and discharges.
- Natural ventilation openings such as plantrooms, boiler rooms, lift shafts, smoke exhaust
- Architectural features
- Screening
- Louvre doors
- Penthouse louvres

FEATURES

- Comprehensive rang of louvre sections, 38mm, 50mm, 75mm, 100mm
- Robust extruded aluminium sections
- Flanged or recessed louvres available
- Continuous louvre appearance
- Dummy, blanked and active louvre incorporated into one louvre section
- Integral bird mesh fitted as standard
- All shapes and sizes available
- Suitable for direct coupling with Konvekta dampers into one assembly
- Full range of alternative materials available, galvanised stee, stainless steel and PVC

PRODUCT RANGE

- Small format louvres
- Large format louvres types KWL50, 50-100, 75, 100
- Penthouse Louvres
- Louvre Doors

PERFORMANCE DATA

PRESSURE LOSS - Pa

Velocity (m/s)	KWL38	KWL50 KWL 50/100	KWL75	KWL100
1.0	8	15	8	9
1.5	16	26	16	20
2.0	29	40	29	36
2.5	45	58	45	55
3.0	65	85	65	80
3.5	88	103	88	108
4.0	114	114	114	141
4.5	145	145	145	179
5.0	179	179	179	220

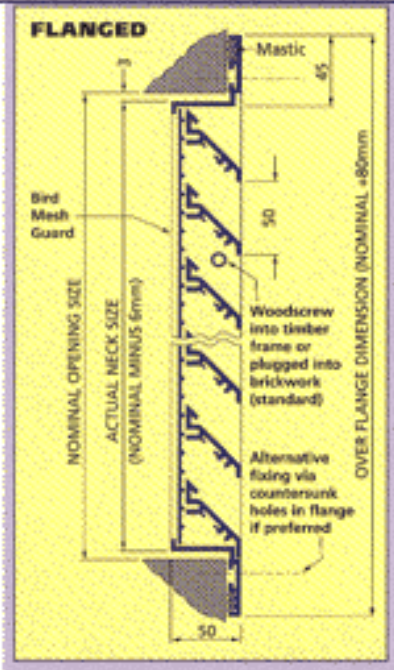
Figures based on a 1000 x 1000 Louvre

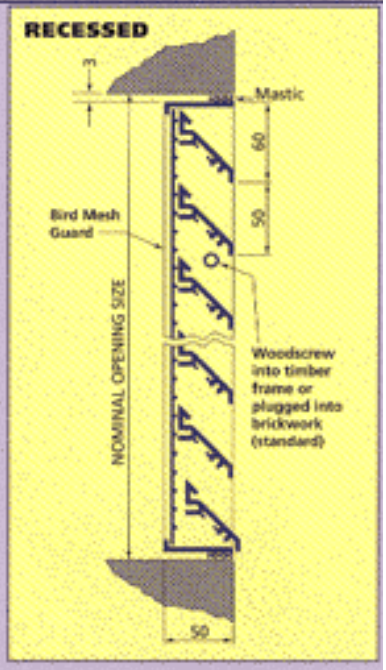
- Louvre Area (Nett) (m^2) = Air Volume (m^3/s) / Air Velocity (m/s)
- Louvre Area (Nett) (m^2) = Nominal opening width x (Nominal opening height - 60)
- Recommended air velocity is 2.5m/s

CONSTRUCTION DATA

- min. - 150 x 150mm
- max. - 700 x 700mm

KWL 38

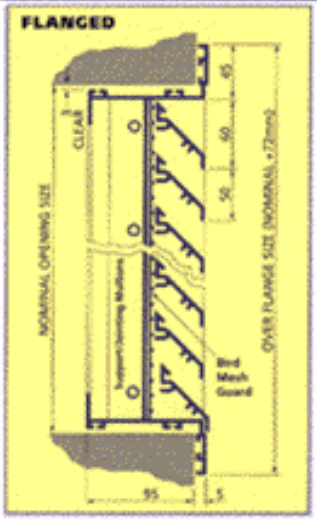


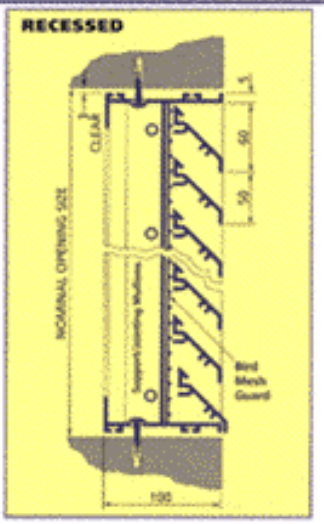


- min. - 200 x 200mm
- max. - 1200 x 1200mm

KWL 50

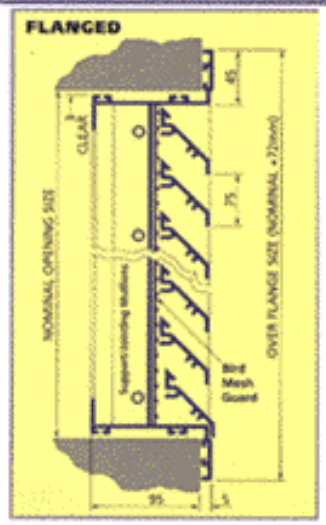
CONSTRUCTION DATA

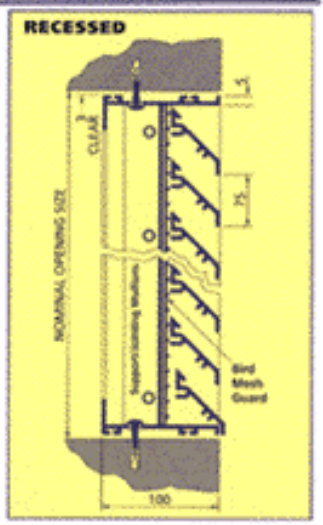




- min. - 200 x 200mm
- max. - 2000 x 2000mm (single unit)

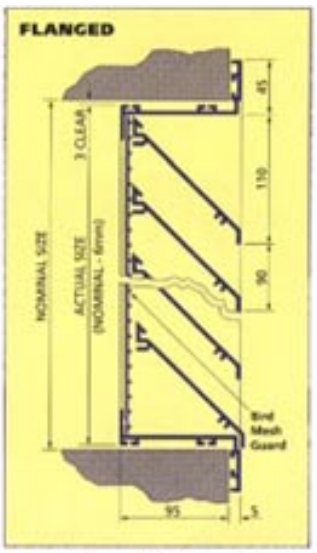
KWL 50-100

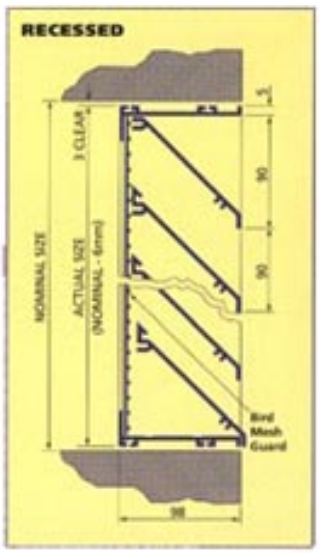




- min. - 500 x 500mm
- max. - 2000 x 2000mm (single unit)

KWL 75



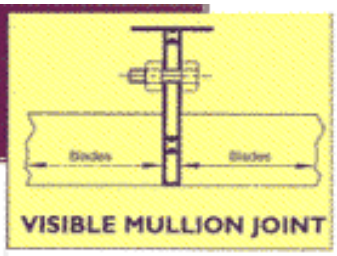


- min. - 500 x 500mm
- max. - 3000(w) x 2000(h)mm (single unit)

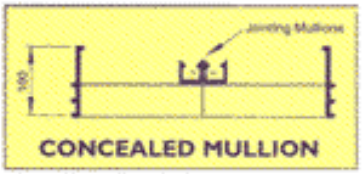
KWL 100

MULTIPLE LOUVRE ASSEMBLIES

- Louvre types KWL50-100, 75 and 100 are suitable for banking together into multiple assemblies
- There is no limit to the size of these assemblies



VISIBLE MULLION JOINT



CONCEALED MULLION

LOUVRE/ DAMPER ASSEMBLIES

Direct coupling of low leakage damper and weather louvre to form weather/air infiltration proof combination

SPECIFICATION

DESCRIPTION :- External Weather Louvres

CONSTRUCTION :-

Materials - Blades and casing are constructed from aluminium extrusion to BS1474 having a thickness of 1.6mm

Appearance - The blades are inclined at 45° and mounted at the following centres & frame sizes

Blade Type	38	50	50-100	75	100
Blade Centres	38	50	50	75	90
Frame Depth	40	50	100	100	*100

***When mullion jointing required frame depth 140mm**

Frames - The frames can either be flanged or recessed

Fixings - Supplied with flanges undrilled for fixing through the neck of the louvre alternative fixings available on request

Options - Rot proof insect screen - head/sill section - blanking plates - louvred doors - penthouse louvres - louvre damper assemblies

Finishes - Mill finish as standard - polyester powder coating to any RAL or BS4800 colour range

ORDERING

1000W x 1000H / KWL50-100 / F / IS / PH / RAL 9010

Size (nominal opening)

Blade type

Frame type
R - recessed
F - flanged

Standard Options

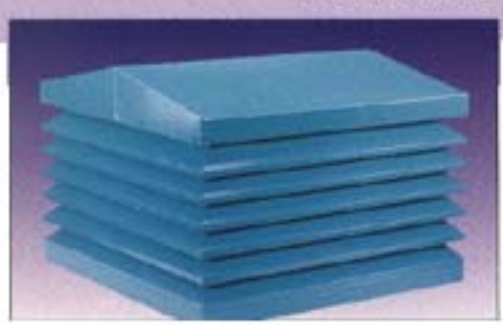
Finish

Product Type
PH - Penthouse
LD - Louvre Door

Insect Screen

SPECIALS

- Stainless steel, galvanised mild steel and PVC louvres available
- Lean back louvres for pitched roofs
- Louvres suitable for severe weather conditions
- All shapes and sizes available including circular, triangular, rhombus etc.



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