

AIR TRANSFER GRILLES

LVH44

HIGH PERFORMANCE VISION STYLE INTUMESCENT AIR TRANSFER GRILLE

A high performance, standard vision intumescent air transfer grille for walls, doors, floors and ventilation ducts. The LVH44 can be assembled in multi-modules to protect large apertures. Can provide up to 180 minutes fire resistance.



FIRE + SMOKE RESISTANT AIR TRANSFER GRILLES

Key benefits

- ▶ Exhibits excellent airflow characteristics + gives silent efficient operation with normal to high air velocities
- ▶ Fits directly into ducts, doors or wall apertures
- ▶ Good free area up to 65%
- ▶ Tolerant of high humidity
- ▶ Withstands harsh environments
- ▶ Not prone to clogging
- ▶ No moving parts
- ▶ Robust construction.



LVH44

STANDARD SIZES AVAILABLE (MM)

WIDTH	98	148	198	248	298	348	398	448	498	548	598
HEIGHT	98	148	198	248	298	348	398	448	498	548	598

Other non-standard sizes may be available - please ask for details.

SYSTEM SPECIFICATIONS

Test evidence

- ▶ Fire: BS 476-20 & 22:1987.
- ▶ Fire: BS EN 1634-1:2014.
- ▶ Fire: BS EN 1364-5:2017.
- ▶ Fire: NEN 6069:2005+A1:2016.

Performance

- ▶ Can be used to provide up to 120 minutes resistance to fire to BS 476.
- ▶ EI rating of 120 minutes when used in conjunction with a cover grille.

Size

- ▶ Width: 100mm - 600mm (in 25mm increments).
- ▶ Height: 100mm - 600mm (in 25mm increments).
- ▶ Please note: Larger apertures possible. Refer to Lorient's Technical department or view our Air Transfer Grille Installation Manual.

Thickness

- ▶ 44mm.

Free area

- ▶ Approx 65% free area.

Application

- ▶ Suitable for doors, walls and ducts.
- ▶ Suitable for external applications.

Orientation

- ▶ LVH44 dampers can be installed in any orientation.

Positional requirements (Certifire)

- ▶ The upper edge of the grille shall be no higher than 3000mm from floor level.
- ▶ The lower edge of the grille shall be no closer than 200mm to floor level.

Material

- ▶ Z275 galvanised steel.
- ▶ Metal slats with an intumescent core.

Finish

- ▶ Silver as standard.

Fixing

- ▶ Each air transfer grille is manufactured 2mm less than a nominal aperture size to provide clearance when installed in a duct or other aperture of the same nominal dimensions. E.g. a 198mm x 198mm nominal size air transfer grille will suit a 200mm x 200mm aperture.
- ▶ Screwed and bedded in Lorient intumescent sealant.

Use with

- ▶ Metal cover grille (optional).

Certification

(CF564)