

# 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 120 minutes fire resistance.



### 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).
- ▶ Square and rectangle options available.
- ▶ 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)