

## AIR TRANSFER GRILLES

# LVHC44

### HIGH PERFORMANCE CIRCULAR VISION STYLE INTUMESCENT AIR TRANSFER GRILLE

A high performance, standard vision intumescent air transfer grille for walls, doors and ventilation ducts. Can provide 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 60%
- ▶ Tolerant of high humidity
- ▶ Withstands harsh environments
- ▶ Not prone to clogging
- ▶ No moving parts
- ▶ Robust construction
- ▶ Available in a multitude of sizes
- ▶ No maintenance.



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#### STANDARD DIAMETER SIZES AVAILABLE (MM)

DIAMETER 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.
- ▶ EI rating of 120 minutes when used in conjunction with a cover grille.

##### Size

- ▶ Up to 600mm diameter (nominal to suit standard PVC pipes or steel ducts).

##### Thickness

- ▶ 44mm.

##### Free area

- ▶ Approx 60% free area.

##### Application

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

##### Orientation

- ▶ LVH44 air transfer grilles 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 diameter nominal size air transfer grille will suit a 200mm diameter aperture.
- ▶ Screwed and bedded in Lorient intumescent sealant.

##### Use with

- ▶ Metal cover grille (optional).

##### Certification

(CF564)