

AIR TRANSFER GRILLES

LVV40S

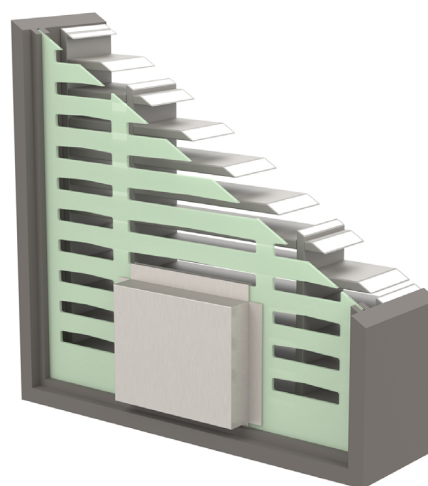
HIGH PERFORMANCE WALL MOUNTED FIRE + SMOKE AIR TRANSFER GRILLE

This system provides a unique solution to the problem of containing both fire and smoke in emergency conditions yet allowing good air flow in everyday use. Using the same intumescent configuration as the LVV40, but incorporating an electro mechanically operated smoke shutter mechanism. Can provide up to 60 minutes fire and smoke resistance.



Key benefits

- ▶ Contains cold smoke + toxic gases remote from source of fire
- ▶ Simple installation
- ▶ Auto reset + fail-safe
- ▶ Safe low DC voltage
- ▶ Status reporting + auto-cycling via Talkback Damper Control Monitor (DCM)
- ▶ Optional audio warning facility
- ▶ Connects to fire panel +/- BMS
- ▶ BMS alarm notification via Alarm Monitoring System (AMS)
- ▶ Nominal 5mA current open/closed
- ▶ Max 200mA in operation
- ▶ Allows bi-direction airflow.



LVV40S

STANDARD SIZES AVAILABLE (MM)

WIDTH	150	200	250	300	350	400	450	500	550	600
HEIGHT	150	200	250	300	350	400	450	500	550	600

STANDARD DEPTHS AVAILABLE (MM)

DEPTH	100	150	200	225	250	300
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Other non-standard sizes may be available - please ask for details. **Note:** The LVV40S is housed within a 20mm non-combustible enclosure. Aperture sizes should take account of the 40mm excess in height/width. Such that for a 200x200mm LVV40S, then the overall size with enclosure, will be 240x240mm.

SYSTEM SPECIFICATIONS

Test evidence

- ▶ Fire: BS 476-20 & 22:1987.
- ▶ Fire: BS EN 1364-5:2017.
- ▶ Smoke: BS 476-31.1:1983 (shutterplate).

Performance

- ▶ Can be used to provide up to 60 minutes resistance to fire + cold smoke.

Size

- ▶ Width: 150mm - 600mm (in 25mm increments).
- ▶ Height: 150mm - 600mm (in 25mm increments).

Minimum wall depth

- ▶ Minimum wall thickness 90mm.

Free area

- ▶ Approx 30% - 37% free area.
- ▶ Size dependent.

Application

- ▶ Suitable for rigid + flexible walls.

Orientation

- ▶ LVV40S must be in the vertical plane.

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 400mm to floor level.

Material

- ▶ PVC slats with an intumescent core.
- ▶ Electro mechanically operated smoke shutter mechanism.

Finish

- ▶ Silver as standard.

Fixing

- ▶ Each fire + smoke air transfer grille is manufactured to size. When ordering please ensure the aperture can accommodate the non-combustible housing and allow up to a 5mm gap around the perimeter.
- ▶ Screwed and bedded in Lorient intumescent sealant.

Use with

- ▶ Talkback damper control system.
- ▶ Optional Alarm Monitoring System (AMS) and battery backup.
- ▶ Optional cover grille.

Certification

(CF564)