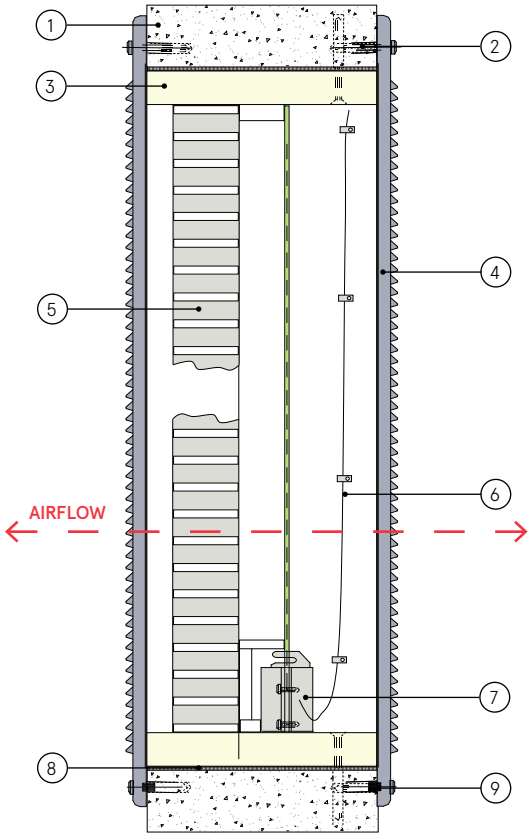
WALL MOUNTED SYSTEMS

WALL 17

LVV40S FIRE + SMOKE AIR TRANSFER GRILLE FITTED INTO FIRE RATED FLEXIBLE WALLS

	DESCRIPTION
1	Fire rated flexible wall (Group B/C)
2	Air transfer grille casing fixing screw
3	Mineral board casing
4	Pressed steel cover grille
5	LVV40S fire + smoke air transfer grille
6	Actuator cable
7	Servo driven actuator
8	Intumescent sealant to bed casing into wall
9	Cover grille fixing screws.



CONTENTS

- LVV40S fire + smoke resistant air transfer grille
- Pressed steel cover grille
- Wiring instructions

TOOLS REQUIRED

- Cable clips
- Screws (3.5 x 42mm)
- Lorient intumescent sealant

Note: To achieve insulating rating, a cover grille must be fitted.

LVV40S fitted into FR flexible walls

EI60S

Fire Resistance in accordance with

BS EN 1364-5:2017

Approval Ref

LBO-1333/19E

Max single cell size

600mm (w) x 400mm (h)
(640mm x 440mm overall)

LVV40S comes in a non-combustible housing which means the actual size of the product is approx. 40mm larger. E.g. a 300mm x 300mm damper is actually 340mm x 340mm due to the housing.

INSTALLATION INSTRUCTIONS

- **LVV40S dampers are supplied ready assembled in a mineral board casing. Care must be taken not to damage the casing during installation.**
- Cut the aperture to the required size with a maximum gap all around of 5mm. Frame in aperture faces. Ensure final aperture is square and correct to size.
- If the LVV40S is already fitted with cover grilles these must be removed.
- Drill the casing for fixing screws to the wall, minimum of 4 number will be needed.
- Trial fit the air transfer grille (ATG) assembly into the aperture and ensure that it can be positioned within the section of the wall, without jamming or twisting.
- Position the LVV40S assembly so that one face is flush with one face of the wall. Mark around the ATG casing at the opposite face to determine the amount needed to be removed to give a flush fit on both faces. Also mark the positions of the wall fixing screws through the holes drilled.
- Establish the actuator cable run and make the necessary cut outs to suit.
- Remove the LVV40S assembly from the wall aperture. Trim the ATG casing to the marked length.
- Apply intumescent sealant to aperture faces. Position LVV40S assembly square and flush to both faces of the wall while feeding the actuator cable into the selected position.
- Fit casing fixing screws to wall.
- Bed in sealant around ATG casing. Clean off surplus sealant and ensure outer edge of LVV40S casing is fully sealed.
- Fix actuator cable to casing with small cable clips to prevent it fouling the shutter plates.
- See wiring instructions.
- Carry out function check of the damper by activation from the control unit.
- After satisfactorily completing the function test, position a pressed steel cover grille concentrically over one face of the LVV40S and fix using screws.
- Repeat to other face if two cover grilles are to be fitted.