

TECHNICAL DATA SHEET

Shaft Single Leaf Smoke Vent Door



Shaft Single Leaf SSL-R is a discreet, high-quality smoke vent, fully certified to BS EN 12101-2 and tested to EN 1634-1 and EN 1634-3 It is designed for installation into smoke shafts in lobbies and corridors within residential and commercial developments to ensure clear escape routes in the event of a fire.

SPECIFIC FEATURES

- Fully certified to BS EN 12101-2:2003
- Fire rated to EN 1634-1 - 60 minutes
- Air Leakage tested to EN 1634-3 - Positive and Negative Pressure.
- Standard size of 1000 x 1500mm to meet 1.0m² free area
- Opens to 90 degrees in under 60 seconds
- Operated by 24V DC actuators drive open/ drive closed.
- Flush mounted design for unobtrusive finish
- Robust fully welded four-sided frame construction
- Excellent sound reduction – 36dB RW

PRODUCT DESCRIPTION

Shaft Single Leaf SSL-R is a discreet, high-quality smoke vent, fully certified to BS EN 12101-2 and tested to EN 1634-1 and EN 1634-3 It is designed for installation into smoke shafts in lobbies and corridors within residential and commercial developments to ensure clear escape routes in the event of a fire.

They may be installed vertically into a variety of wall structures and open to 90 degrees in under 60 seconds to provide 1.0m² free area for use in natural smoke shaft applications. Their fully welded beaded frame design ensures that a flush unobtrusive finish is created. They are supplied powder coated to RAL 9010 White as standard and may be painted or coated to any wall finish on site.

SAFER
SMARTER
FASTER

TECHNICAL DATA ACTUATOR

Voltage	24V DC
Pushing/Pulling Force	500N
Stroke Length	1000mm
Locking Pressure	2000N
Protection	IP 32
Temperature	-5 degrees C - +55 degrees C
Speed – Fire	17mm/sec
Speed – Comfort	10mm/sec

CLASSIFICATION ACCORDING TO BS EN 12101-2

Low Ambient Temperature	T(-05)
Reliability – Fire	REI000
Reliability – Comfort	REI0,000
Resistance to heat	B300
Reaction to Fire	E

TECHNICAL DATA

BS EN 1634-1 Fire rating	60 min
BS EN 1634-3 Air Leakage Positive & Negative Pressure – 25Pa	Pass

Key Dimensions

	Size (mm)
Structural Opening	1000 W X 1500H
Overall Frame size	990 W X 1490H
Overall Door size	763 W x 1440H
Depth of Frame	84

Weight	56 (kg)
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NOTES

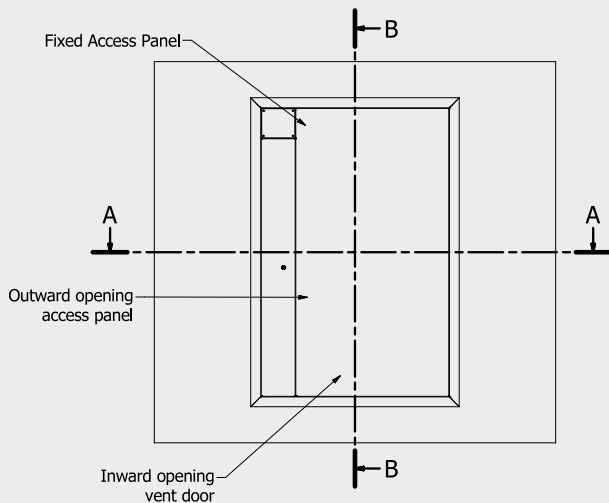
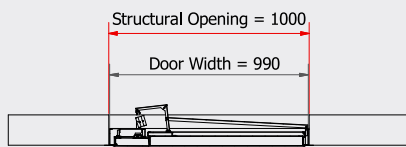
The door requires a depth of at least 790mm to open correctly - the shaft should be a minimum depth of 850mm.

OPTIONS

230V AC Actuators for systems requiring 230 V activation.

Fall arrest cages removing the requirement for installation of grids at floor levels.

Section A-A
Horizontal Through



Section B-B
Vertical Through

Isometric View
From inside smoke shaft

