



FYREHALT H

-/120/- HORIZONTAL FIRE CURTAIN SPECIFICATION

DATA SHEET

The Fyrehalt H Horizontal Fire Curtain is a high - performance fire barrier designed to protect large horizontal openings where natural light, ventilation and visual connections between floors are required.

Fyrehalt H is a patented design, providing fire compartmentation with a fire resistance level of up to -/120/- and some radiation shielding properties, making it ideal for buildings with performance solutions. The system is the largest in the world and does not require any supports or guides in the opening, allowing optimal architectural design.

IDEAL APPLICATION

- Atriums and large open voids
- Shopping centres and public spaces
- Airports and transport hubs
- Commercial and retail developments
- Escalator and stair void protection
- Floor openings requiring fire separation



KEY FEATURES

- Fire ratings up to -/120/-
- Designed for large horizontal spans
- Single continuous curtain system
Activated early via smoke detection system
- (AS1670.1) Gravity fail-safe operation
- Third-party certified (Warnock Hersey Mark)
- Compact headbox and guide system



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in safe & beautiful buildings.*



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DATA SHEET LUNAX Saftery Glass

CERTIFIED FIRE PERFORMANCE

Fyrehalt H is fire tested in accordance with AS1530.4:2014, achieving a Fire Resistance Level of up to -/120/-.

The system is activated primarily via an AS1670.1 smoke detection system, ensuring rapid deployment in fire conditions.

As with all of the Fyrehalt range, the Fyrehalt H bears the Warnock Hersey product label. This label comes with Independent Third Party factory inspections to ensure the product manufactured is identical to the fire tested prototype. Smoke Control is the only company in Australia with Australian Made Product providing this confidence to the industry.

GLASS & FIRE PERFORMANCE SUMMARY

Performance Attribute	Result
Fire Rating	-/120/-
Fire Test Standard	AS1530.4:2014
Compliance Standard	AS1905.2:2005 (Relevant Parts)
Activation	Smoke detection system (AS1670.1)
Maximum Size	10m (W) x 10m (L)
Deployment Speed	150mm/s (<6m) / 90mm/s (>6m)
Headbox Size	305 mm deep and 251mm high
Fire Hazard Property	Group 1

SYSTEM DESIGN & OPERATION

The Fyrehalt H system is typically concealed within a ceiling or bulkhead and remains inactive during normal building operation. Access is required around the perimeter of the horizontal system for maintenance.

Upon detection of smoke or fire alarm activation:

- The curtain deploys automatically
- Forms a continuous fire barrier
- Provides effective compartmentation across large openings

Once the fire alarm is reset, the system:

- Automatically rewinds to standby position
- Requires no manual intervention*

POWER & CONTROL

The system operates using a standard 240V power supply, with configuration depending on system size.

An intelligent control system provides:

- Fail-safe operation on alarm or mains power loss
- Automatic reset and rewind
- Integration with building fire systems
- Battery backup is included as standard to permit closure during power failure

*For deployment sizes over 6m, manual reset may be required



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DATA SHEET Airlite Ventilator

COMMISSIONING & OPERATION

During commissioning, the system must demonstrate:

- Fail-safe closure on alarm and mains power loss
- Automatic rewind on reset

Integration with the building's smoke management system is critical.

To ensure proper operation:

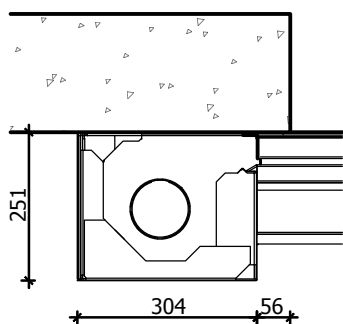
- A 60-second delay must be applied to mechanical smoke management systems to allow curtain deployment
- A 60-second reset delay ensures pressure dissipates before rewind

CERTIFICATION & QUALITY ASSURANCE

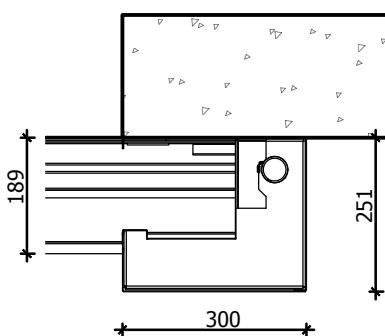
- Manufactured under the Warnock Hersey Mark (WH) certification scheme
- Subject to independent third-party auditing
- Certificates of Compliance in accordance with the project specific Performance Solutions

This provides assurance of product integrity and ongoing compliance.

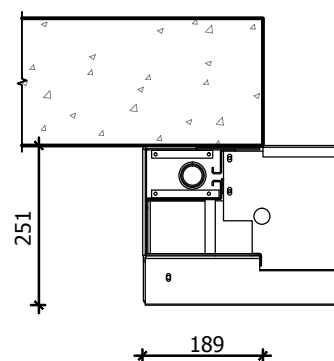
PRODUCT DIMENSIONS



| Head Box



| Foot Box



| Side guide details

INSTALLATION REQUIREMENTS

Fyrehalt H systems must be:

- Installed
- Commissioned
- Certified
- Tagged

In accordance with the relevant parts of AS1905.2:2005 by an accredited manufacturer. The system consists of a single overhead barrel across the full opening width to maximise reliability.

FIRE RATED BULKHEAD REQUIREMENT

Where the system is suspended below a slab and not directly fire-tested in that configuration, a fire-rated bulkhead is required.

This bulkhead must:

- Achieve -/120/120 FRL
- Fully enclose the suspension system
- Allow certified service penetrations (AS4072.1)

This ensures structural integrity and compliance under fire conditions.

MAINTENANCE

Fyrehalt H must be listed on the quarterly Services Register and maintained in accordance with AS1851 by competent technicians.

Regular maintenance ensures:

- Continued compliance
- System reliability
- Long-term performance



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