



LISTING INFORMATION OF  
**Smoke Guard Hose Stream 2100**  
SPEC ID: 73587

Smoke Guard, Inc.  
287 N. Maple Grove Road  
Boise, ID 83704  
United States

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## LISTING INFORMATION

### Products Covered:

Smoke Guard Hose Stream 2100 Smoke & Fire curtain system.

### Product Description:

The Smoke Guard Hose Stream 2100 system consists of two M2100 assemblies installed back-to-back. Each M2100 assembly is made of a filament glass fabric (identified as SGTex-30), which is wound onto a tube containing an internal drive system. Contained in a sheet metal housing, the curtain assembly is comprised of support rollers and associated electronics. The curtain edges are captured in vertical side guides during system deployment and the bottom edge of the curtain is attached to a weighted bottom bar. If the system encounters an alarm, the releasing device activates deploying the curtain. In the event of main power failure, an integrated battery system maintains the system. Should main and backup power systems fail, the curtain will deploy in a controlled manner under the influence of gravity (Gravity Fail Safe). If required, wall switches are provided on each side of the curtain, allowing occupants to momentarily raise the curtain to egress. After the alarm condition clears, the curtain automatically rewinds into the housing.

The Smoke Guard Hose Stream 2100 system, utilizing the SGTex-30 fabric, is recognized for use in fire-protection rated construction (as tested in accordance with UL10B, CAN/ULC S104, and NFPA 252), as described in the tables below.

### FLAME SPREAD RATINGS

Test Standard	Flame Spread	Smoke Development
ASTM E84	≤ 25	≤ 450

### AIR LEAKAGE RATINGS

Test Standard	Test Type	Rating <sup>a</sup>	Size Restrictions
UL 1784	Ambient & Elevated Temperatures	≤3.0 cfm/ft <sup>2</sup> at 0.10 in. of w.c.	Min Area:19.5 ft <sup>2</sup> Min Height: 3 ft
		≤3.0 cfm/ft <sup>2</sup> at 0.30 in. of w.c.	Min Area:42.25 ft <sup>2</sup> Min Height: 5.5 ft

<sup>a</sup>This system was evaluated **without an artificial bottom seal**. The system may be installed in areas where pressurization is provided to control smoke movement in accordance with Section 4.3.2 of NFPA 105 (2019) and for hoistway opening protection and lobby doorways as allowed in Chapter 30 of the IBC.

### FIRE-PROTECTION RATINGS

Test Standard	Test Type	Rating <sup>a</sup>
UL 10B, NFPA 252, CAN/ULC S104	Fire Endurance	90 minutes with hose stream

<sup>a</sup>Curtains exceeding the tested dimensions of 10 ft x 10 ft must have an oversize label, issued by Intertek, stating the assembly is constructed in accordance with the certified design except for size. Acceptance of the oversize assembly is at the discretion of the Authority Having Jurisdiction.

Attribute	Value
Criteria	UL 1784 (2015)
Criteria	CAN / ULC S104 (2015) (R2020)
Criteria	UL 10(b) (2008) (R2015)
Criteria	NFPA 252 (2017)
Criteria	ASTM E84-18a
Criteria	UL 10(b) (2008) (R2020)
Criteria	NFPA 252 (2022)
CSI Code	08 30 00 Specialty Doors and Frames
CSI Code	08 34 00 Special Function Doors
Fire Resistance	90 Min Neutral Pressure
Listing Section	CATEGORY I - SMOKE & DRAFT CONTROL DOOR ASSEMBLIES
Spec ID	73587