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LISTING INFORMATION OF  
**McKeon Smoke and Draft Curtain Assembly with  
Intermediate Fasteners Model D500S**  
SPEC ID: 53562

McKeon Door Company  
44 Sawgrass Drive  
Bellport, NY 11713  
United States

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## LISTING INFORMATION

The McKeon Model D500S system is for use as a smoke barrier curtain assembly.

### AIR LEAKAGE RATINGS

Test Standard	Test Type	Rating <sup>a, b</sup>
UL 1784	Ambient Temperature	≤3.0 cfm/ft <sup>2</sup> at up to 0.10 in. of w.c.
UL 1784	Elevated Temperature	≤3.0 cfm/ft <sup>2</sup> at up to 0.10 in. of w.c.

<sup>a</sup>This assembly was evaluated without the use of an artificial bottom seal and 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 2018 IBC.

<sup>b</sup>A pair of two-inch brushes are required at the head of the curtain to meet air leakage ratings, a single one-inch brush at each side guide is optional based on test results.

### SIZE LIMITATIONS

Minimum Size	Maximum Size <sup>a</sup>
7'0" tall x 7'6" wide	48'0" tall x 500'0" wide

<sup>a</sup>Oversize labels are not required for this assembly. Assembly dimensions must comply with the minimum and maximum values listed above

The McKeon Model D500S system comprises a 22-gauge head box, McKeon 4415-2-SP smoke & draft curtain, McKeon 1047 Intermediate Fastener system (when used), 14-gauge side rails, 14-gauge bottom bar, and nylon brushes attached to head box and guides.

The McKeon Intermediate 1047 Fastener system is used to join vertical edges of multiple McKeon 4415-2-SP fabric panels to create larger panels. The fastener system must be spaced with a minimum of 1 lineal foot of curtain between fasteners.

Minimum Curtain Overlap: 15.75"

Minimum Bottom Bar weight: 0.30 lbs per sq. ft. of curtain area or 3.9 lb/ft of length, whichever is greater

Maximum Curtain Rivet spacing: 15" on-center

Side Guide anchorage: 1/4" anchors spaced maximum 18" on-center

Top Hood/Assembly mounting: maximum 40" on-center

The Model D500S system must be installed per manufacturer's instructions.

Attribute	Value
Certificate Date of Expiry	April 23, 2025
Certificate Date of Initial Registration	April 23, 2020
Certificate Number	WHI20-20384308
Criteria	UL 1784 (2015)
CSI Code	08 30 00 Specialty Doors and Frames
Intertek Services	Certification

Issue Status	1
Listed or Inspected	LISTED
Listing Section	SMOKE CONTROL DOOR ASSEMBLIES
Report Number	G100074822, G102718261, G104078807, G104255393
Spec ID	53562
Verification Test Type	FTIR
Verification Testing	YES
Verification Testing Lab	MID - Middleton, WI

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