



## **SSP Polyester Air Filter Media**

### **SCOPE**

This specification identifies the physical characteristics and minimum requirements for dry type polyester media.

### **PHYSICAL CHARACTERISTICS**

- 1) The media shall be constructed from 100% high performance non breakable synthetic fibers.
- 2) The media shall be resin spray bonded to prevent the release of fibers into the airstream.
- 3) Each filter shall be supported in place by a wire internal support grid.
- 4) Gasketing will not be required on these first stage filters.
- 5) Each filter module shall conform to Underwriters Laboratory U.L. Standard 900 fire classifications as per meeting Class II Specifications.
- 6) Each filter module shall have a temperature resistance of 92 degrees Celsius.



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### **PERFORMANCE**

Filters, of the indicated size and capacity, shall conform to the following requirements.

- a) **Nominal Size:** 585 mm high x 585 mm wide x 50 mm deep ( 24" x 24" x 2" nom. size )
- b) **Capacity:** 4,000 m<sup>3</sup>/h ( 2,289 CFM )
- c) **Net Effective Media Area:** 0.4 m<sup>2</sup> ( 4.0 sq. ft. )
- d) **Initial Resistance:** 75 Pa ( 0.30 in. w.g. )
- e) **Final Resistance:** 250 Pa ( 1.0 in. w.g. )
- f) **Average Arrestance:** 90 - 92% in accordance with ASHRAE 52.1-1992