



## **MAXI-CELL**

### **Suggested Specifications**

The filter shall be of the (90-95%, 60-65%) efficiency Extended Surface type and shall consist of metal frame construction. (A 95% DOP model is available at factory specification.)

The frame shall consist of not less than 28 Ga. galvanized metal cell sides, and two peripheral headers (single header optional), with hardware cloth faceguards on the air entering and air leaving sides to protect the media pack. The faceguards shall be spot welded to the frame to ensure media pack integrity during shipping and actual operation.

The media pack shall utilize wet laid, pleated, microglass fibers with (aluminum, PVC coated) corrugated Separators to support the media. The media pack shall be secured within the frame by a layer of glass fiber sealant to ensure leak-free construction. The filter shall have a gross surface area of (140 sq.ft., 175 sq.ft.) in a (standard capacity, high capacity) Model KM(901, 601).

The filter shall be capable of operating at a maximum pressure, up to 25" w.g. without leaks, or media pack failure. Recommended final resistance shall be no less than 2.00"w.g., or more than 6.00"w.g., at 625 fpm face velocity. The filter shall have an initial resistance of no more than (0.65"w.g., 0.48"w.g.) at 2000 cfm, and (0.90" w.g., 0.70" w.g.) at 2500 cfm.

Verification of filter performance shall be made by submittal of an Independent Test Report from an approved laboratory, and shall indicate initial resistance, recommended final resistance, breach test results up to 25" w.g. , and data demonstrating not less than (100%, 92%) arrestance efficiency, and not less than (90%, 65%) average dust spot efficiency, according to A.S.H.R.A.E. Standard 52-76 or Standard 52.1-92.

The filter shall be classified by Underwriters' Laboratories, Class 1, when tested according to ANSI/UL Standard 900.