AAF BioCel M-Pak
Specifications

1.0 GENERAL:
The purpose of this specification is to establish performance criteria and identify physical properties that are pertinent and necessary for proper filter performance. Conformance to all items in the specifications is the responsibility of the bidder.

2.0 PERFORMANCE CHARACTERISTICS
Filters of the size and air flow capacity shall meet the following rated performance specifications based on the ASHRAE 52.2 test method. Pertinent tolerances specified in Section 7.4 of the Air-Conditioning and Refrigeration Institute (ARI) Standard 850-93 shall apply to the performance ratings. All testing is to be conducted on filters with a nominal 24" x 24" face dimension.

Minimum Efficiency Reporting (MERV)	16
Nominal Size (Width x Height x Depth)	24x24x6
Rated Air Flow Capacity (CFM)	2,000
Final Resistance (In W. G.)	2.0
Rated Initial Resistance (In W. G.)	0.80
Gross Media Area (Sq. Ft. for 24x24)	156

2.1 The filters shall be UL Classified and Listed by Underwriters' Laboratories, Inc. when tested according to U. L. Standard 900 and CAN 4-S111.

3.0 BID ATTACHMENTS:
One (1) ASHRAE 52.2 test report from an independent, commercially operated test lab. The supplier shall grant permission to the test lab which conducts the ASHRAE tests to verbally verify the test results to the purchaser on request.

4.0 PHYSICAL CHARACTERISTICS:
Each filter shall consist of a pleated media pack contained in high-impact polystyrene cell sides. The filters shall be capable of operating at temperatures up to 176 degrees Fahrenheit

4.1 Cell Sides and Header
The filter cell sides and header shall be constructed of high-impact polystyrene plastic. The filter must contain a single, 13/16" thick header, which is an integral part of the cell side construction. No metal shall be allowed in the construction of the filter.

4.2 Media
The media shall be made of micro glass fibers with a water repellent binder.

4.3 Separators
The media shall be pleated using separators made of beads of adhesive.

4.4 Media Pack Bond
The media pack shall be bonded to the top and bottom of the cell sides using a urethane adhesive. The sides of the media pack must be totally sealed to eliminate any source of air by-pass.