AAF AmerSeal Cube
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)	8	8	8
Nominal Size (Width x Height x Depth)	24x24x10	24x24x15	24x24x20
Rated Air Flow Capacity (CFM)	1,600	2,000	2,500
Final Resistance (In W. G.)	1.0	1.0	1.0
Pockets per Filter	1 / 2	1 / 2	1 / 2
Rated Initial Resistance (In W. G.)	0.11/0.10	0.13/0.12	0.18/0.15

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:

4.1 Filter Construction shall consist of a 3-ply synthetic media, formed into a single or 2 pocket extended surface filter, heat sealed around the entire periphery of the internal wire support.

4.2 Filter Media shall be a single piece of media, composed of 3 distinct layers of high loft polyester fibers. The 3 layer combination of media will form a graded density filter with the most open structure on the air entering side transitioning to denser media layers on the air leaving side.

The media shall be composed of a blend of fibers as follows, by weight; 10% 40 denier fibers on the air entering side, 40% 15 denier fibers in the center layer and 50% 6 denier fibers on the air leaving side layer.

4.3 A non-migrating, pressure-sensitive, "dry" tackifier must be applied to the air leaving side of the media. No chlorinated paraffin, polybutene, or petroleum based adhesives are allowed.

4.4 Internal wire support ring shall be made of 9 gauge galvanized steel.