

**AAF DriPak 2000
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)	15	14	12	8
Nominal Size (Width x Height x Depth)	24x24x30	24x24x30	24x24x30	24x24x19
Rated Air Flow Capacity (CFM)	2,000	2,000	2,000	2,500
Final Resistance (In W. G.)	1.0	1.0	1.0	1.0
Rated Initial Resistance (In W. G.)	0.36	0.35	0.26	0.32
Pockets per Filter	8	8	8	6
Gross Media Area (Sq. ft.)	85	85	85	41

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 Each filter shall consist of a rigid, corrosion resistant metal header on to which individual pockets are mechanically attached. The pocket support rings shall be formed with an L-4 shaped bar of rolled steel to keep ring firmly lodged inside header. The use of staples, metal clips or plastic fasteners is unacceptable in the construction of the filter.
- 4.2 The filter media shall consist of multiple layers of polypropylene fibers providing a progressively more efficient media matrix. A high strength, spunbonded synthetic scrim backing shall be applied to the air leaving side of the media to provide strength and durability to the media.
- 4.3 The media blanket will be formed into pockets by a series of sonic welded ribbons of fabric, forming channels in the pocket. Each channel line, as well as the perimeter pocket, shall be fully sealed with a sonic bond, eliminating any potential leak point. The pocket shall be designed to fully inflate without touching adjacent pockets.
- 4.4 Optional for all efficiencies - Each filter shall be protected by an antimicrobial registered with the U.S. Environmental Protection Agency for the express purpose of, and technical data sheet approval for, use in air filter products.