AAF INTERNATIONAL *Better Air is Our Business®*

AmericanAirFilter®

DuraVee™

High Efficiency Compact Mini-Pleat Filter

DuraVee is an exceptionally high efficiency filter utilizing a glass fiber woven media. Available in two efficiencies, it is designed for use as the final filter stage in machinery intake systems where rigid construction and long service life are essential.

Applications

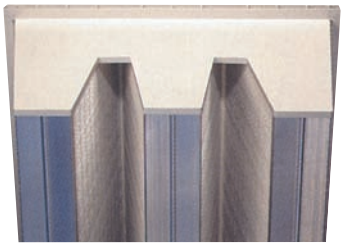
The rigid design, with multiple mini-pleat media packs, thermoplastic separators, plastic cell sides/header, and aluminum struts, makes DuraVee filters ideally suited for the most difficult environmental conditions including:

- ✔ ***High airflow***
- ✔ ***High temperature***
- ✔ ***Turbulent airflow***
- ✔ ***High relative humidity***
- ✔ ***Intermittent exposure to water***

Designed For Superior Performance

High Capacity, Low Resistance Operation

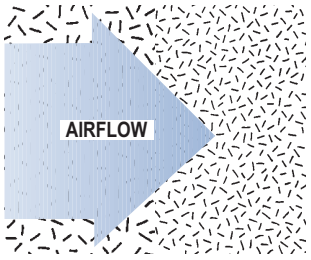
The DuraVee filter derives its name from the innovative construction design consisting of six mini-pleat media packs assembled into a series of three V-banks. Setting the mini-pleat packs in a multiple V-bank arrangement substantially increases the amount of media contained in the filter by up to 40% more than conventional rigid filter packs. This results in a greater airflow capacity, low resistance, and high dust holding capacity.



(Rear view of DuraVee filter) The V-bank configuration provides greater airflow capacity and longer service life.

Dual Density Media

The DuraVee media is manufactured with two layers of microglass paper fibers: coarser fibers on the air entering side and finer fibers on the air leaving side. The progressive density produced by this process ensures a full depth loading of dirt, providing a high dust loading capacity which extends the life of the filter.



Rigid Construction Maintains Media Pack Integrity

The mini-pleat media packs are bonded inside the cell sides with a urethane sealant, forming a completely unitized, rigid filter that does not rack and resists damage during shipping and handling. The bonded media packs also prevent bypass leakage.

Low Profile Thermoplastic Separators

Separators made from continuous beads of thermoplastic material maintain uniform spacing between pleats to allow optimal airflow into and through the filter with minimum resistance. The low profile beads of thermoplastic create a media pack with minimum pleat spacing. The separators ensure a large effective area for low resistance and high dust holding capacity.

Water Repellent Media

The media is water repellent and can withstand intermittent exposure to free moisture in the airstream without affecting filter performance. DuraVee filters are the ideal choice for installation on off-shore platforms, humid areas, or where moisture is often present.

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Corrosion Resistant Components

The plastic and aluminum components are corrosion resistant over the life of the filter. The filter contains no metal components that could produce rust, and flake off during the service life.

Operating Temperature

All DuraVee filter elements can operate continuously at temperatures up to 176˚F.

Light Weight Header and Support Frames

Plastic and aluminum components result in a light weight filter in spite of the large amount of media contained in the product.

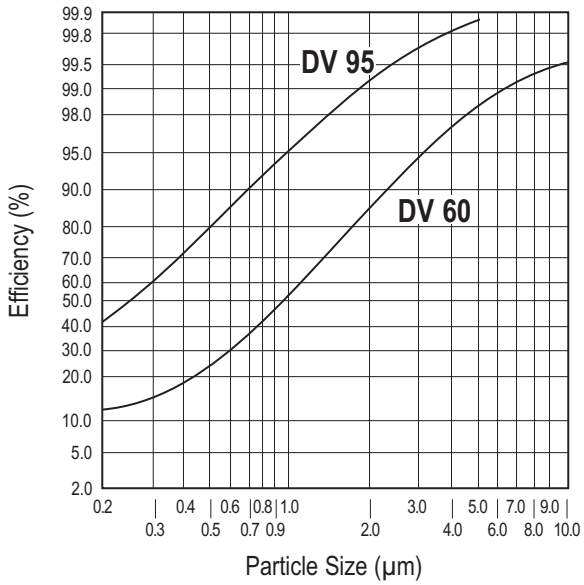
Comprehensive Testing

Extensive use is made of the ASHRAE test facilities in Louisville, Kentucky. Filters from the production line are also regularly tested by independent test labs to validate the specifications; a further guarantee for quality.

Quality Assurance Program

The Quality Assurance Program for DuraVee filters has been incorporated as an integral part of the manufacturing process. From raw materials to finished product, AAF quality checks ensure consistent and strict adherence to specifications.

Efficiency By Particle Size



Style Code:	DV60	DV95
Actual Size (wxhxd):	23 3/8 x 23 3/8 x 11 1/2	
Initial Resistance (In. W.G.)	.45	.66
Gross Media Area (Sq. Ft.)	175	175
Airflow Capacity (CFM)	up to 3000	
Avg. Atmospheric Dust Spot Eff. (%)	61	94
Dust Holding Capacity (g)	1490	1260

Notes:

- Performance data has been obtained using the ASHRAE 52-76 test method modified by using AC Fine Test dust to replace ASHRAE test dust (equivalent to ASHRAE 52.1-1992.)
- Initial resistance and dust holding capacity measured @2500 cfm.
- Efficiency is measured with an optical particle counter on clean filters using atmospheric dust as a test aerosol.
- DuraVee filters are classified UL Class2.
- Recommended final resistance is 2.5" w.g.
- Burst pressure is 19"+ w.g.
- Extruded aluminum components are of alloy 6063 T5, mill finish.
- Filter net weight is 15.5 lbs.
- Each filter is individually packed in a cardboard box. Gross weight is 18.0 lbs.

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AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

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