



Better Air is Our Business®

# AmericanAirFilter® PerfectPleat®

## Features, Advantages, and Benefits



### Product Features

#### AAF Green:

##### Sustainable Green Design

AAF's Green Mission includes solutions designed to reduce energy consumption and reduce the carbon footprint of AAF products from "cradle to cradle".



### Advantages

- ✓ Totally incinerable
- ✓ Product design minimizes base raw material consumption
- ✓ No chemical dyes used in manufacturing filter media

### Benefits

- No wire supports simplifies disposal.
- Minimal raw material consumption reduces carbon footprint.
- Used during construction, PerfectPleat® M8 may contribute to LEED® certification points under the Indoor Environmental Quality category.
- Meets the American Institute of Architects guidelines for healthcare facilities MERV 8 requirements for filter bed number 1.

#### Media:

##### DuraFlex® Pleated Media

Uniform size virgin fibers are assembled in closely controlled blends to create a media that is self-supporting and remarkably consistent in performance.

- ✓ 100% virgin synthetic fibers do not absorb moisture
- ✓ Controlled fiber size and blend results in media uniformity
- ✓ Self-supporting DuraFlex® media — requires no wire support
- ✓ Resilient media is able to sustain significant abuse.

- Moisture-free fibers are less likely to promote microbial growth, provide better airflow.
- Consistent media structure ensures dependable high performance.
- Absence of wire backing means no reentrainment of rust particles and safer handling.
- Superior resilience allows the media to maintain shape, pleat spacing, and performance; reduces shipping and handling damages.

### Product Features

#### Pleat Design:

Perfectly shaped and spaced pleats are the result of our state-of-the-art process design.

- ✓ Full media utilization
- ✓ Maximum dust holding capacity
- ✓ Low airflow resistance
- ✓ No blinding

### Benefits

- Extended service life
- Maximum airflow

#### Manufacturing Process:

AAF's automated and controlled process eliminates inconsistencies and irregularities.

- ✓ Perfect pleat spacing
- ✓ Proper frame and spacer gluing
- ✓ No manual assembly mistakes

- Assurance of promised performance levels and construction integrity

#### Frame Construction:

##### Board Stock

PerfectPleat M8 and PerfectPleat use the highest wet strength beverage carrier board. All models use 28 pt. thickness board.

- ✓ Increased filter strength
- ✓ Assures precise pleat spacing

- Will not distort or deteriorate under tough service conditions
- Helps resist damage

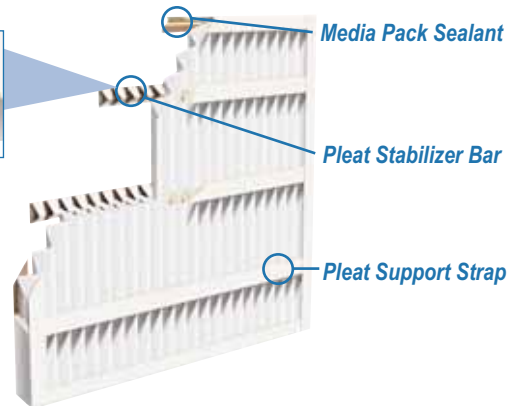
##### Pleat Supports

All models come with three support straps glued on the air entering side.

- 2" models come with three pleat support spacers glued to the pleats on the air leaving side.
- 1" models come with three support straps glued to the pleats on the air leaving side.



**Pleat Stabilizer Adhesive Detail:** Media pack is structurally bonded with hot melt.



PerfectPleat® ULTRA 2" Construction