

PerfectPleat® HC

(High Capacity)

EXTENDED SURFACE PLEATED PANEL FILTERS



- Available in efficiency: G4 (EN779:2012)
- Highest performing self-supported pleated filter
- Mechanical efficiency – does not rely on electret charge technology
- Consistent media with controlled fiber size and blend
- Available in filter depths of 19 mm and 44 mm
- Environmentally friendly – no dies, no metal, fully incinerable

The PerfectPleat HC filter is designed to consistently increase efficiency throughout the service life of the filter. The PerfectPleat HC filter has approximately 25% more media than our standard capacity filter, and is ideal for applications where pleated filters are currently in use and higher performance is desired. They have an initial G4 efficiency rating (EN779:2012) respectively, but the efficiency increases significantly when dust holding begins. PerfectPleat HC filters have distinctive self-supporting characteristics that allow a pleating pattern, which promotes airflow and maximizes dust holding capacity (DHC). Lower pressure drop and higher DHC means reductions in energy consumption and operating costs.

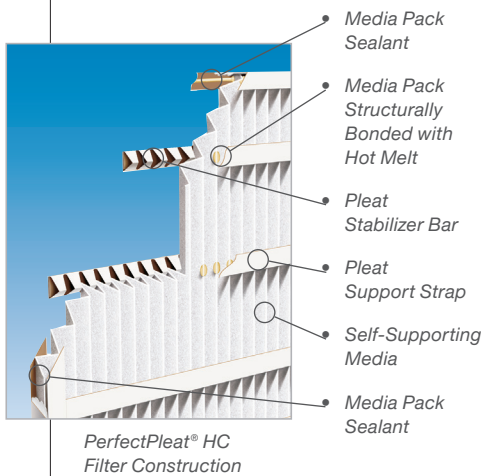
Superior Design and Construction

The perimeter frame is constructed from the highest wet-strength beverage carrier board, securely bonded to the media pack. The 19 mm model employs three supporting straps on the air entering and air leaving sides of the filter to control pleat spacing and support the media pack in the perimeter frame.

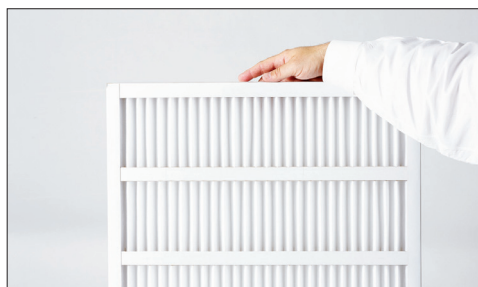
Support straps on the air entering side are used in combination with uniquely designed pleat stabilizers on the air-leaving side of the 44 mm model to provide additional strength. The support straps and pleat stabilizers ensure integrity against turbulent airflow. The 44 mm filter resists crushing and abuse and provides excellent lateral stability for installation in side-access systems.

Media Design

Uniform size virgin fibers are assembled in closely controlled blends to create a media that is both self-supporting and consistent in performance. When pleated, media will hold its shape without the wire support characteristic of conventional pleated filters. That means no potential for the formation of rust and safer handling. With superior resiliency and no need for wire support, PerfectPleat HC filters can sustain significant abuse and maintain their shape and pleat spacing. The absence of wire also makes the filter totally incinerable, which can simplify disposal.



PerfectPleat® HC Filters



PerfectPleat® air filter with excellent form and fit.



PerfectPleat® can withstand significant damage.



PerfectPleat® memory retains integrity after damage.

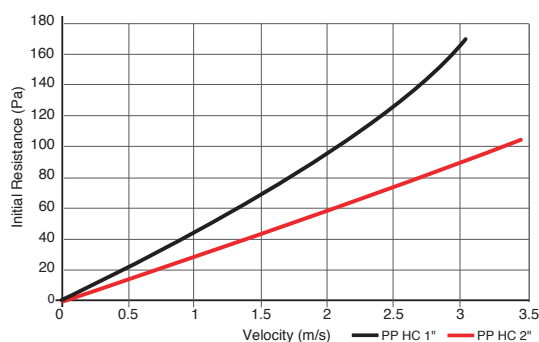
Product information

Filter	Part number	Dimensions (mm) W x H x D	Filter area (m ²)	Number of pockets or V	Nominal airflow (m ³ /h)	DHC acc. EN779 (g)	EN779:2012 Classification	Initial dp (Pa)	Energy Rating	ISO 16890 Classification	ePM1 (%)	ePM2,5 (%)	ePM10 (%)
Perfect-Pleat High Capacity	45-3100-2424	595x595x44	-	-	3400	-	G4	64	-	Coarse 65%	-	-	-

Further dimensions are available on request. Until December 31st 2017 filtration efficiency values are certified according to EN779:2012. From January 1st 2018 filtration efficiency values are certified according to ISO 16890.

Performance Data

Resistance vs Face Velocity



PerfectPleat® is a registered trademark of AAF International in the U.S. and other countries.



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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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