



# HP Filter Elements

Filter Element for Camfil Farr HP Retainer Assembly



Camfil Farr HP filters are ideally suited to variable air volume systems, turbulent airflow, or other applications where supported media may be desirable. HP Elements are also a cost-conscious alternative to box style ASHRAE filters because only the media is changed since the retainer assembly is an integral permanent component of the HVAC system.

HP elements are available in the following efficiencies: MERV 8, MERV 11, MERV 13 and MERV 14 when evaluated per ASHRAE Standard 52.2. Filter element depth may be 8", 12" or 24".

## Unique Filter Element

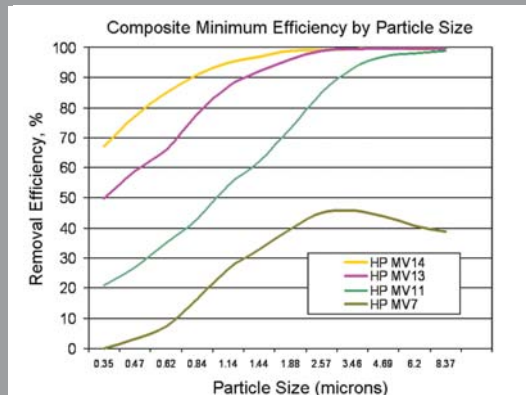
Each HP filter element has preformed, tapered pleats to ensure maximum utilization of media area and assure low resistance to airflow throughout the life of the element. Constructed of a high tensile strength synthetic media of non-woven polypropylene fibers, the HP provides the ASHRAE efficiency to address today's indoor air quality concerns (the HPP-MV8 uses a cotton and synthetic blend). Each media pack includes die-cut beverage board end panels bonded to the edge of the media pack to serve as media installation guides into the basket holding frame.

## Cost Effective

Collapsible filter elements are lightweight, easy to transport, and take up minimal storage space. Disposal costs are also minimized because replaced elements can be easily compacted to take up less space during disposal and in landfills.

Camfil Farr HP frames are no longer available. For installations where existing frames require replacement contact Camfil Farr for information on converting to Durafil® ES, Hi-Flo® ES or Riga-Flo® filters.

Extended surface,  
supported media air  
filtration in a compact  
cost-efficient design



The efficiency chart above is extrapolated from particle size versus efficiency information when evaluated per ASHRAE Standard 52.2.



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## Performance

Element	Part Number	Nominal Size (inches)	Airflow Capacity (cfm)			Resistance @ Capacity (inches w.g.)			Media Area (sq. ft.)
			Low	Medium	High	Low	Medium	High	
HPP-MV8	008593-001	20 x 16 x 8	610	760	920	0.10	0.15	0.20	16.0
	008593-002	20 x 20 x 8	740	920	1110				19.3
	008593-007	24 x 12 x 12	800	1000	1200				20.8
	008593-005	24 x 12 x 8	570	710	850				14.9
	008593-006	24 x 24 x 12	1600	2000	2400				41.7
	008593-004	24 x 24 x 8	1090	1360	1630				28.4
HPP-MV11	034547-001	20 x 16 x 8	460	520	770	0.14	0.17	0.32	16.0
	034547-002	20 x 20 x 8	550	630	920				19.3
	034547-003	20 x 25 x 8	720	820	1210				25.3
	034547-007	24 x 12 x 12	600	680	1000				20.8
	034547-006	24 x 12 x 8	420	480	710				14.9
	034547-005	24 x 24 x 12	1200	1360	2000				41.7
HPP-MV13	021385-001	20 x 16 x 8	460	610	770	0.15	0.23	0.33	16.0
	021385-002	20 x 20 x 8	550	740	920				19.3
	021385-003	20 x 25 x 8	720	970	1210				25.3
	021385-007	24 x 12 x 12	600	800	1000				20.8
	021705-002	24 x 12 x 24	1210	1620	2030				42.3
	021385-006	24 x 12 x 8	420	570	710				14.9
	021385-005	24 x 24 x 12	1200	1600	2000				41.7
	021705-001	24 x 24 x 24	2400	3200	4010				83.4
	021385-004	24 x 24 x 8	810	1090	1360				28.4
HPP-MV14	021384-001	20 x 16 x 8	340	460	570	0.17	0.24	0.32	16.0
	021384-002	20 x 20 x 8	410	550	690				19.3
	021384-003	20 x 25 x 8	540	720	910				25.3
	021384-007	24 x 12 x 12	450	600	750				20.8
	021706-002	24 x 12 x 24	910	1210	1520				42.3
	021384-006	24 x 12 x 8	320	420	530				14.9
	021384-005	24 x 24 x 12	900	1200	1500				41.7
	021706-001	24 x 24 x 24	1800	2400	3010				83.4
	021384-004	24 x 24 x 8	610	810	1020				28.4

### DATA NOTES

Schedule filter change at double the initial pressure drop. Final pressure drop should not exceed 0.90" w.g. on HPP-MV8, or 1.0" w.g. on HPP-MV11, HPP-MV13, and HPP-MV14. Camfil Farr HP filters are listed by Underwriters Laboratories as UL 900.

Additional configurations are available including one specific to gas turbine application and another with fine fiber media and metal installation guides, contact factory.

### Camfil Farr HP Filter Elements Specifications

#### 1.0 General

1.1 · Air filters shall be high performance, extended area, deep pleated and disposable type. The element shall be designed to fit in to a Camfil Farr HP filter element retaining frame.

1.2 · Sizes shall be noted on drawings or other supporting materials.

#### 2.0 Construction

(2.1 · (HPP-MV8) Filter media shall be of a lofted cotton synthetic blend with a supporting synthetic media backing. The media shall have an efficiency of MERV 8 when tested under ASHRAE Standard 52.2.)

(2.1 · (HPP-MV11) Filter media shall be polypropylene microfibers laminated to a synthetic backing. The media shall have an efficiency of MERV 11 when tested under ASHRAE Standard 52.2.)

(2.1 · (HPP-MV13) Filter media shall be polypropylene microfibers laminated to a synthetic backing. The media shall have an efficiency of MERV 13 when tested under ASHRAE Standard 52.2.)

(2.1 · (HPP-MV14) Filter media shall be polypropylene microfibers laminated to a synthetic backing. The media shall have an efficiency of MERV 14 when tested under ASHRAE Standard 52.2.)

2.2 · The element shall be designed for insertion into a Camfil Farr HP retainer assembly with sealer frame. Each element shall include preformed tapered pleats and Kraft fiber beverage board die-cut end panels bonded to the edge of the media pack for use as media pack installation guides.

#### 3.0 Performance

3.1 · Initial resistance (HPP-MV8, HPP-MV11, HPP-MV13, HPP-MV14) to airflow shall not exceed (0.15", 0.17", 0.23", 0.24") w.g. at an airflow of 500 fpm.

3.2 · Manufacturer shall provide evidence of facility certification to ISO 9001:2000.

3.3 · The filter shall be listed by Underwriters Laboratories as UL 900.

Items in parentheses ( ) require selection.

Detailed specifications for Camfil Farr products are available at [www.camfilfarr.com](http://www.camfilfarr.com).

Camfil Farr is committed to continuous research, development and product improvement. We reserve the right to change designs and specifications without notice.



Camfil Farr | 1 North Corporate Drive, Riverdale, NJ 07457 | Tel: (973) 616-7300