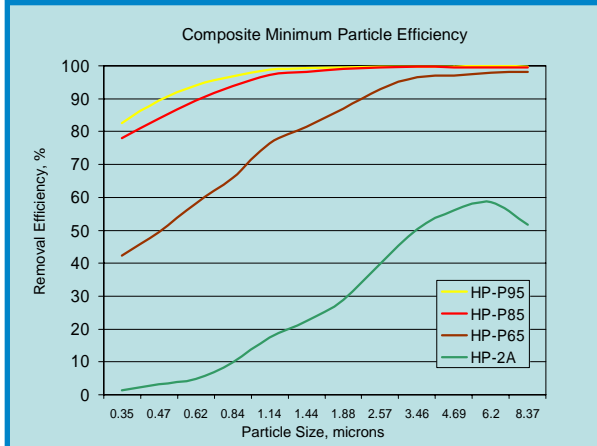


# hp filter elements

Filter Element for Camfil Farr HP Retainer Assembly



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



Values are MERVs when evaluated per ASHRAE 52.2.

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

| Model  | ASHRAE 52.2 MERV | ASHRAE 52.1 (Dust Spot) | Eurovent |
|--------|------------------|-------------------------|----------|
| HP-2A® | 7                | 25-30%                  | EU4      |
| HP-P65 | 11               | 60-65%                  | EU6      |
| HP-P85 | 13               | 80-85%                  | EU7      |
| HP-P95 | 14               | 90-95%                  | EU8      |

## 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 HP-2A® uses a cotton and synthetic blend).

## 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.

*Initial installations require Camfil Farr HP retainer assemblies.*



|                                 |                  |
|---------------------------------|------------------|
| Camfil Farr                     | Product bulletin |
| HP Elements                     | 1103 - 0704      |
| Camfil Farr—clean air solutions |                  |

**PERFORMANCE DATA**

**CAMFIL FARR HP ELEMENTS**

| Element            | ASHRAE 52.2 MERV | Nominal Size (inches) | Airflow Capacity (cfm) |        |      | Resistance @ Capacity (inches w.g.) |        |      | Media Area (sq ft) |
|--------------------|------------------|-----------------------|------------------------|--------|------|-------------------------------------|--------|------|--------------------|
|                    |                  |                       | Low                    | Medium | High | Low                                 | Medium | High |                    |
| HP-2A              | 7                | 12 x 24 x 12          | 800                    | 1000   | 1200 | 0.1                                 | 0.15   | 0.2  | 20.8               |
|                    |                  | 24 x 24 x 12          | 1600                   | 2000   | 2400 | 0.1                                 | 0.15   | 0.2  | 41.7               |
| HP-P65             | 11               | 12 x 24 x 12          | 600                    | 680    | 1000 | 0.14                                | 0.17   | 0.32 | 20.8               |
|                    |                  | 24 x 24 x 12          | 1200                   | 1360   | 2000 | 0.14                                | 0.17   | 0.32 | 41.7               |
| HP-P85 & HP-P85 GT | 13               | 12 x 24 x 12          | 600                    | 800    | 1000 | 0.15                                | 0.23   | 0.33 | 20.8               |
|                    |                  | 24 x 24 x 12          | 1200                   | 1600   | 2000 | 0.15                                | 0.23   | 0.33 | 41.7               |
| HP-P95 & HP-P95 GT | 14               | 12 x 24 x 12          | 450                    | 600    | 750  | 0.17                                | 0.24   | 0.32 | 20.8               |
|                    |                  | 24 x 24 x 12          | 900                    | 1200   | 1500 | 0.17                                | 0.24   | 0.32 | 41.7               |

**DATA NOTES:**

Recommended final resistance is 0.90" w.g. on HP-2A, and 1.0" w.g. on HP-P65, HP-P85, and HP-P95. System design may dictate a lower change-out point. A gas turbine version is available. GT version includes a beverage board comb separator attached to each element to facilitate servicing. Half sizes (12 x 24) are not available in GT version. Contact factory for information on HP GT filters.

**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** - (HP2A) Filter media shall be of a lofted cotton synthetic blend with a supporting synthetic media backing. The media shall have an efficiency of MERV 7 when tested under ASHRAE Standard 52.2-1999.)

( **2.1** - (HP-P65) 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 52.2-1999.)

( **2.1** - (HP-P85) 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 52.2-1999.)

( **2.1** - (HP-P95) 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 52.2-1999.)

**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 cardboard installation guides bonded to the edge of the media pack.

**3.0 Performance**

**3.1** - Initial resistance (HP-2A, HP-P65, HP-P85, HP-P95) 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 rated by Underwriters Laboratories as UL Class 2.

*Items in parentheses () require selection.*

*Camfil Farr has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.*

**Camfil Farr, Inc.**

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