



Incorporating a unique, floating component design, the Camfil Termikfil Absolute maintains integrity and rated performance values in applications where extremely high temperatures are a factor. Pre-qualified with an exclusive burn-in procedure, which significantly reduces system start-up time, the Termikfil outperforms other high-temperature filters.

### Enclosing Frame

The Termikfil enclosing frame is manufactured of ceramic-based materials, to ensure resistance to high temperatures and limit performance degradation, based upon the expansion and contraction of the filter pack. This material can withstand temperatures far exceeding the temperature rating of the filter. Pack expansion control is maintained during repeated temperature rise and fall cycles, up to the temperature limitations of the filter.

An exclusive polymineral-based element seals the frame, ensuring exceptional performance when properly mounted

### High-Temperature Absolute Media

A unique, high-temperature, microfine glass media ensures uniform absolute filter performance throughout the life of the filter. The filter is factory tested and certified to an efficiency of 99.99% on particles 0.3 micron in size.

### Media Protection Grilles

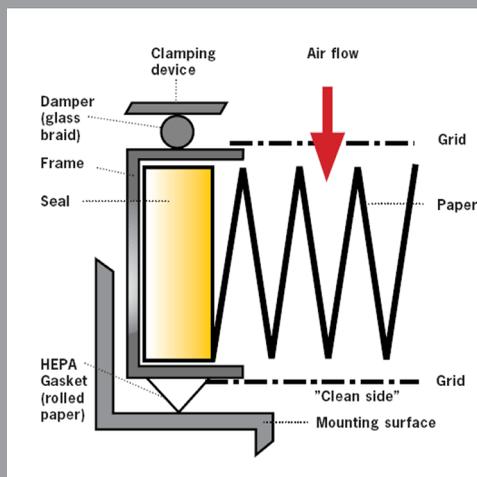
A stainless steel face grid is installed on both the air entering and air exiting sides of the filter to ensure protection of the media pack and add to the filter pack's structural integrity.

### Exclusive Heat Cycle Preparation

The Camfil Termikfil is pretreated, and prequalified, during the manufacturing process, with an exclusive heat preparation cycle (572° F, 300° C). This process ensures that the filter is completely stabilized in dimensions and performance. Other filters require a long temperature break-in cycle, which adds additional maintenance expense, and creates costly manufacturing downtime. Additionally, filter construction component gases and fumes are released during this pretreatment procedure ensuring that the filter will not contribute contamination to the manufacturing process.

Our testing and burn-in procedure, and the scientific selection of construction components, allows Camfil to guarantee the Termikfil's performance for one year .

The only high-temperature HEPA filter that can comply with the most stringent FDA GMP\* requirements.



Unique design allows for filter expansion and contraction.



# Termikfil Absolute®

High-Temperature HEPA Filter

## Performance

Part Number	Model	Efficiency	Nominal Size (inches, W x H x D)	Airflow Capacity (cfm @ 1.0" w.g.)	Weight (lbs)
855100350	3P6	99.99% @ 0.3 micron	12 x 24 x 3.3	350	8.8
855100349	6P6		24 x 24 x 3.3	700	11.0
855100255	7P6		30 x 24 x 3.3	880	13.0
855100268	9P6		36 x 24 x 3.3	1050	17.6
855100236	4P6		18 x 24 x 3.3	530	9.0
855100249	3P6		12 x 12 x 3.3	175	4.4
855100280	4P4		18 x 18 x 3.3	380	6.6

### DATA NOTES:

Maximum operating temperature 650° F (350° C). Maximum humidity, 99%.

Maximum recommended final resistance, 1.4" w.g.

Gasket details required when order is placed, gasket downstream, gasket upstream, no gasket (for installation in "dynamic seal" tunnels).

Adapters are available for replacement of filters having a depth greater than 4", contact factory.

Weights are rounded to the next highest significant digit (pounds).

The Termikfil may be used:

- For the protection of sterilization and depyrogenation processes requiring high temperatures (per US Food & Drug Administration Good Manufacturing Practices, FDA GMP)
- In sterilization tunnels
- In sterilization furnaces

The Termikfil:

- Is guaranteed to perform as rated for one year when installed and used per manufacturers instructions
- Saves labor, and manufacturing downtime, with its shorter temperature rise cycle
- Reduces contamination hazards during the high-temperature process
- Requires fewer systematic inspections
- Offers increased reliability

## Termikfil Absolute

### Air Filters — 1.0 General

**1.1** - Air filters shall be HEPA grade standard capacity air filters, with water-resistant micro glass fiber media, glass filament thread media separators, ceramic sealant, a ceramic enclosing frame and glass-braid or rolled glass fiber paper sealing gaskets. Filters shall be capable of continuous operation to 650° F (343° C).

**1.2** - Sizes shall be as noted on drawings or other supporting materials.

### 2.0 Construction

**2.1** - Filter media shall be one continuous pleating, of micro glass fiber media. The media shall be capable of withstanding temperatures to 650° F (343° C).

**2.2** - Pleats shall be uniformly separated by glass fiber filaments, to allow uniform airflow through the media, and prevent damage to the media through media-to-media contact.

**2.3** - The media pack shall be bonded to the enclosing frame, through the use of a polymineral sealant.

**2.4** - The enclosing frame, of ceramic construction, shall be bonded to the media pack and form a rugged and durable enclosure. Overall dimensional tolerance shall be correct within -1/8", +0", and square within 1/8".

**2.5** - A rolled-glass fiber paper gasket shall be located on the downstream

side of the filter, and shall be capable of maintaining the filter to holding mechanism seal throughout the life of the filter. If an upstream gasket is required, it shall be constructed of a 0.6 mm glass braid.

**2.6** - Stainless steel face screens, with diamond shaped perforations, shall be installed on the air entering and air exiting sides of the filter.

### 3.0 Performance

**3.1** - The filter shall be pre-qualified, using a factory test procedure that subjects the filter to a minimum temperature of 572° F (300° C). The procedure shall verify that the filter is stabilized, in dimensions and performance.

**3.2** - The filter shall have a tested efficiency of 99.99% when evaluated on particles 0.3 micron in size.

**3.3** - Initial resistance to airflow shall not exceed 1.0" w.g. at rated cfm. Maximum published final resistance shall be 1.4" w.g.

**3.4** - Manufacturer shall provide evidence of facility certification to ISO 9001:2008.

**3.5** - The filter shall be guaranteed to perform to specifications for a period of one year when installed per manufacturers installation instructions.

**Supporting Data** - The filter shall be labeled as to tested efficiency, rated/tested airflow, airflow direction, pressure drop and shall be serialized for identification and quality assurance.

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



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