

# SUPER HI-TEMP



## Super High Temperature Absolute Filter (660°F/350°C)

Separator Type

Medium

HEPA



The **Super High Temperature Absolute Filter** from Cambridge has raised the limit for air filtration in extreme environments and goes where no other filter can. Whether your process requires HEPA (99.97%) or semi-HEPA (95%) level air filtration, the **Super High Temperature Absolute Filter** produces clean air with minimal particle generation and is generally suited for Pharmaceutical, Food Processing and Research applications.

### Features:

- Continuous use at 660°F (350°C)
- Maximum temperature 750°F (400°C)
- Available in both 99.97% (HEPA) and 95% (medium) efficiencies
- HEPA filter can be used for High Temperature Dryer and Sterilization Systems
- Low Boron outgassing
- Minimal particle generation with temperature change compared with traditional high temperature filters

*At Cambridge... The little things matter.*<sup>TM</sup>

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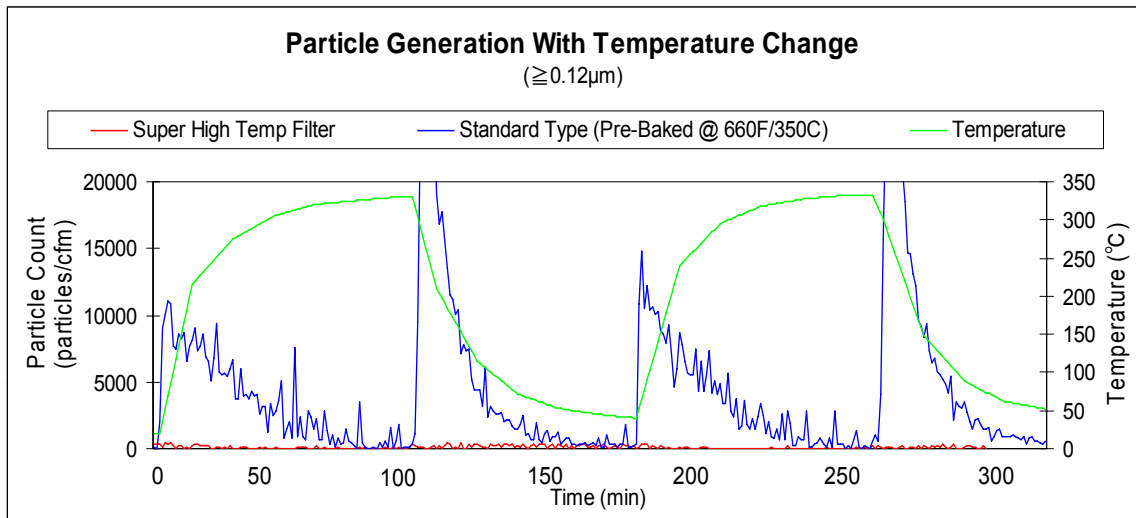
HEPA

### Standard Specifications

|                                | HEPA Filter            |             | Semi-HEPA Filter       |             |
|--------------------------------|------------------------|-------------|------------------------|-------------|
| Model                          | HT1F-※                 |             | HT7F-※                 |             |
| Efficiency                     | 99.97%(at 0.3 μm)      |             | 95%(at 0.3 μm)         |             |
| Depth                          | 12" (292 mm)           | 6" (150 mm) | 12" (292 mm)           | 6" (150 mm) |
| Flow Rate                      | 1130 cfm               | 640 cfm     | 1130 cfm               | 640 cfm     |
| Face Velocity                  | 1.58 m/s               | 0.89 m/s    | 1.58 m/s               | 0.89 m/s    |
| Pressure Drop                  | ≤1.0 in. w.g. (250 Pa) |             | ≤0.5 in. w.g. (125 Pa) |             |
| Max Continuous Operation Temp. | 660°F (350°C)          |             |                        |             |
| Max. Temperature               | 750°F (400°C)          |             |                        |             |

Note: As is normal for high temperature air filters, standard specifications are for air at room temperature

### Test Data



### Component Materials

| Model                |                               | HT 1 F - ※            | HT 7 F - ※                 |
|----------------------|-------------------------------|-----------------------|----------------------------|
| Component Materials  | Media                         | Glass Fiber           |                            |
|                      | Separator                     | Stainless Steel       |                            |
|                      | Frame                         | Stainless Steel       |                            |
|                      | Sealant                       | Ceramic+Ceramic Fiber | Glass Fiber+ Ceramic Fiber |
|                      | Gasket                        | Glass Fiber           |                            |
| Usage Specifications | Max Continuous Operation Temp | 660°F (350°C)         |                            |
|                      | Max. Temperature              | 750°F (400°C)         |                            |

CAMBRIDGE FILTER CORPORATION

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