

# Alpha™ HT

## HIGH TEMPERATURE HEPA FILTERS



- Individually tested for certified performance
- Available in gasket or fluid seal
- Glass pack separated up to 1000°F (540°C) in exhaust air applications only

AAF Flanders manufactures metal-frame separator-style HEPA filters for applications with high-temperature requirements up to 1,000°F (540°C) for exhaust air only and 500°F (260°C) for supply air. High temperature filters are available with either a gasket or fluid seal. Filters with BluJel® Fluid Seal have a maximum service temperature of 390°F (199°C).

### HEPA Filters

Each HEPA filter has a minimum efficiency of 99.97% on 0.30 micrometer size particles when tested at rated capacity on a Q-107 Penetrometer. Each filter is challenged with an approved nearly monodispersed oil aerosol of 0.30 micrometer size. By measuring the upstream and downstream concentration of these particles with a light scattering photometer, the penetration can be determined and the efficiency can be calculated.

### Scan Tested HEPA Filters

Each scan tested HEPA filter has a minimum efficiency of 99.99% on 0.30 micrometer particles. Scan testing is in accordance with Section 6.2 of IEST-RP-CC034.1, HEPA and ULPA Filters Leak Tests. In the scan test, the filter is challenged with a high concentration of an approved oil aerosol or PSL (Polystyrene Latex Spheres). The media pack and pack-to-frame seal is scanned using a photometer or particle counter to ensure that there are no leaks greater than .01% of the upstream concentration at 100 FPM face velocity. Scan testing is only available for the 500°F (260°C) model.

# Alpha™ HT Filters

## Sealant Types

Two types of sealants for high temperature HEPA filters are offered.

### Silicone Sealant

This is a high temperature Room Temperature Vulcanization (RTV) silastic-sealant silicone compound rated for continuous service up to 500°F (260°C). NOTE: This high temperature sealant is not UL 586 approved.

### Glass Pack Sealant For Exhaust Air Only

The glass pack seal is rated for continuous service up to 1,000°F (540°C) in exhaust air applications only. It is a mat of submicron glass fibers that creates a seal when compressed between the filter pack and filter frame. The glass packing is not an adhesive seal but a mechanical seal that functions much as the glass fiber medium of the filter itself.

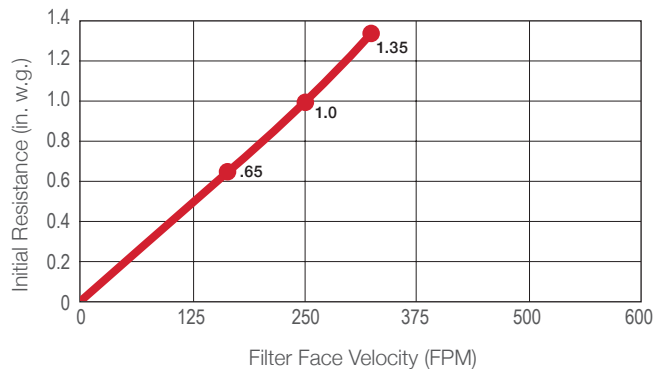
NOTE: Due to the possibility that the glass pack may shed glass fibers, the glass pack sealant should be used for exhaust systems only.

## Product Information

Filter Size and Frame Depth Designator	Actual Size (inches) (HxWxD)	CFM Capacity at Clean Pressure Drop, Inches w.g.			Weight (lbs.)
		.65	1.0	1.35	
GG-F	24 x 24 x 11½	650	1000	1300	38
GC-F	24 x 12 x 11½	300	455	590	26
YY-F	23¾ x 23¾ x 11½	615	945	1235	37
YU-F	23¾ x 11¾ x 11½	275	425	550	25
GN-F	24 x 30 x 11½	830	1275	1655	45
CC-F	12 x 12 x 11½	135	205	265	14

## Performance Data

Initial Resistance vs. Filter Face Velocity



BluJel® is a registered trademark of Flanders Corporation in the U.S.



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