

AmerGuard

Protection for gas turbines

| Rigid pocket pre-filter

Description

Specifically designed for the rigorous environments of gas turbine inlet applications, AAF's AmerGuard range of pre-filters is ideally suited to protect fine and barrier filters such as AAF's HydroGT.

The AmerGuard is a suitable pre-filter in high dust concentrations, where its high dust-holding capacity will provide a long filter life. The synthetic fibers have a non-woven progressive density for enhanced particulate capture. In addition, moisture resistance properties help to extend the life of the final filters in high humidity environments.

The AmerGuard's aerodynamic pocket separators promote full and even loading of particles throughout the depth of the pocket. Self-supporting pockets stay rigid in the airstream even under turbulent airflows.

Features and benefits

Large capacity

A large surface media area and class-leading dust-holding capacity provide additional protection for your gas turbine.

Moisture resistant

Thermally bonded, synthetic fibers offer excellent performance, even in humid environments.

Long filter life

The durable construction with welded, self-supporting pockets and positive locking to the plastic header results in a longer filter life.

Low pressure drop

Protection doesn't come at the expense of performance.

Lightweight

Lightweight construction allows for easy installation and removal.

High burst strength

Welded pockets are leak-free and resist bursting at high airflows.



Product highlights

- | High dust-holding capacity
- | Moisture resistant
- | Long filter life
- | Low pressure drop
- | Durable construction

Easy disposal

Fully incinerable construction.

Corrosion resistant

Removing the risk of adding further particulate into the airstream over time.



Bringing clean air to life.®

AmerGuard G4

Performance specification data

Overview

Efficiency class	G4 ¹
Recommended final resistance	450 Pa 1.8 in.WG ²
Burst strength	>5,000 Pa >20.0 in.WG
Max. operating Temperature	80 °C 176 °F
Humidity range	0 to 100 % relative humidity



Filter model details

Filter model	Part number	Initial pressure loss at stated airflow		Filter depth	Filter weight
		3400 m ³ /h 2000 CFM	4250 m ³ /h 2500 CFM		
AmerGuard 300 G4 ³	EK201-G.0	35 Pa 0.14 in.WG	45 Pa 0.18 in.WG	330 mm 19 in	1.9 kg 4.2 lb
AmerGuard 650 G4	EK203-R.0	40 Pa 0.16 in.WG	60 Pa 0.24 in.WG	650 mm 26 in	3.2 kg 7.0 lb

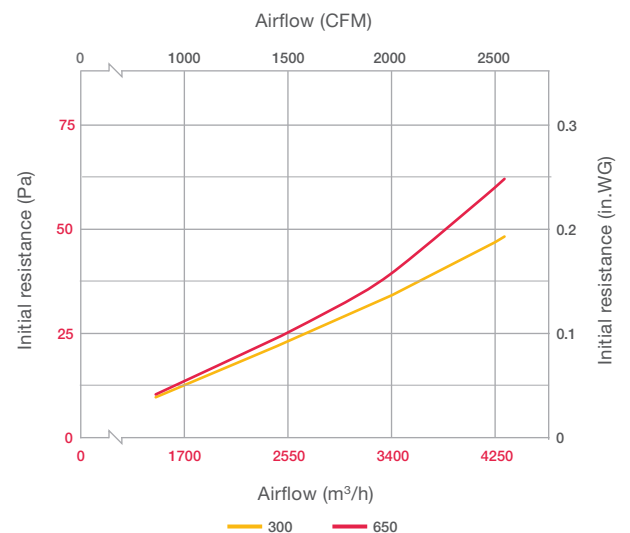
Construction

Filter Media	Synthetic fibres
Frame material	Polyestylene or Metal
Gasket	Optional

Dimensions

Width	592 mm 23 ¹ / ₃ in
Height	592 mm 23 ¹ / ₃ in
Depth	See table above
Weight	See table above

Resistance curve



¹ Based on EN779:2012.

² Maximum final resistance can be up to 625 Pa | 2.5 in.WG.

³ Also available in reverse flow configuration.

AmerGuard M5

Performance specification data

Overview

Efficiency class	M5 ¹
Recommended final resistance	450 Pa 1.8 in.WG ²
Burst strength	>5,000 Pa >20.0 in. WG
Max. operating Temperature	80 °C 176 °F
Humidity range	0 to 100 % relative humidity



Filter model details

Filter model	Part number	Initial pressure loss at stated airflow		Filter depth	Filter weight
		3400 m ³ /h 2000 CFM	4250 m ³ /h 2500 CFM		
AmerGuard 300 M5 ³	EK204-G.0	60 Pa 0.24 in.WG	85 Pa 0.34 in.WG	330 mm 13 in	2.0 kg 4.4 lb
AmerGuard 450 M5	EK206-L.0	50 Pa 0.20 in.WG	70 Pa 0.28 in.WG	480 mm 19 in	2.2 kg 4.9 lb
AmerGuard 650 M5	EK207-R.0	70 Pa 0.28 in.WG	90 Pa 0.36 in.WG	650 mm 26 in	3.4 kg 7.5 lb

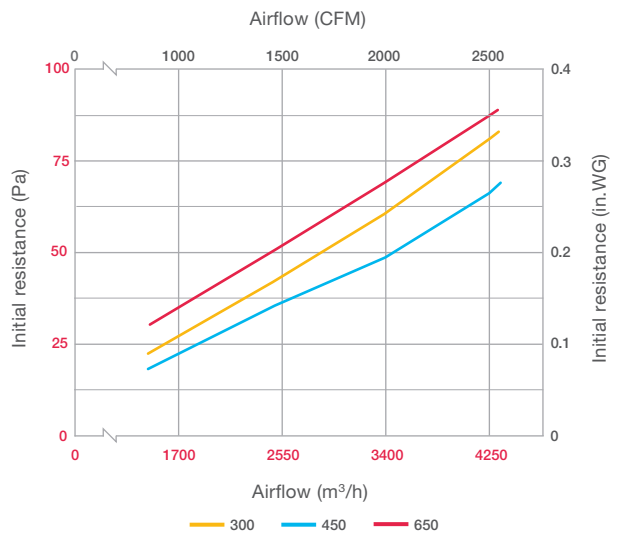
Construction

Filter Media	Synthetic fibres
Frame material	Polystyrene or Metal
Gasket	Optional

Dimensions

Width	592 mm 23 ¹ / ₃ in
Height	592 mm 23 ¹ / ₃ in
Depth	See table above
Weight	See table above

Resistance curve



¹ Based on EN779:2012.

² Maximum final resistance can be up to 625 Pa | 2.5 in.WG.

³ Also available in reverse flow configuration.

AmerGuard F7

Performance specification data

Overview

Efficiency class	F7 ¹
Recommended final resistance	450 Pa 1.8 in.WG ²
Burst strength	>5,000 Pa >20.0 in. WG
Max. operating Temperature	80 °C 176 °F
Humidity range	0 to 100 % relative humidity



Filter model details

Filter model	Part number	Initial pressure loss at stated airflow		Filter depth	Filter weight
		3400 m ³ /h 2000 CFM	4250 m ³ /h 2500 CFM		
AmerGuard 650 F7	EK208-R.0	90 Pa 0.36 in.WG	120 Pa 0.48 in.WG	650 mm 26 in	2.9 kg 6.4 lb
AmerGuard 650+ F7	EK209-R.0	95 Pa 0.38 in.WG	125 Pa 0.50 in.WG	650 mm 26 in	3.5 kg 7.7 lb

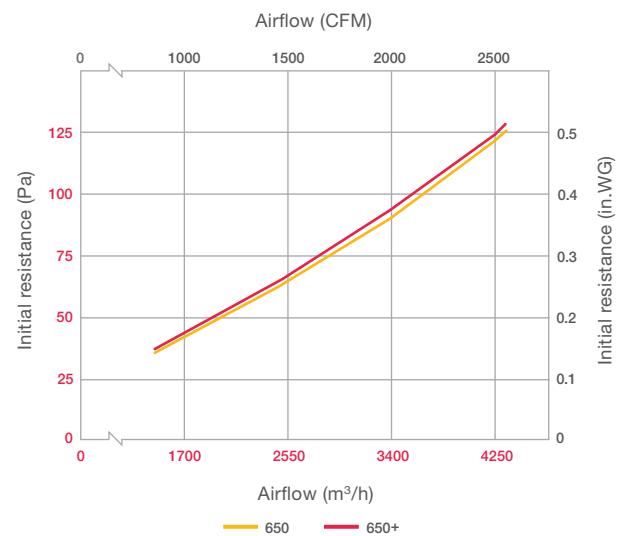
Construction

Filter Media	Synthetic fibres
Frame material	Polyestylene or Metal
Gasket	Optional

Dimensions

Width	592 mm 23 ¹ / ₃ in
Height	592 mm 23 ¹ / ₃ in
Depth	See table above
Weight	See table above

Resistance curve



¹ Based on EN779:2012.

² Maximum final resistance can be up to 625 Pa | 2.5 in.WG.