

# DuraGT™

## Protection for gas turbines

| Intermediate and final barrier filter

### Description

The DuraGT has been specifically designed to provide protection for your gas turbine; this durable and reliable filter is installed in gas turbine filter houses around the world.

The DuraGT is most commonly used in urban and industrial applications. This heavy-duty, halogen-free filter offers excellent performance in compressors, gas turbines and other machinery in which pulsing or surging may occur. The DuraGT V300 is ideally suited as a final filter in lower efficiency filter systems, or as an intermediate filter to protect higher efficiency or EPA grade final filters. The DuraGT V450 is a high capacity, high efficiency pre-filter or first stage filter. It has a low dP and is ideally suited to protect (H)EPA filters e.g. AAF's HydroGT.

AAF's proprietary media offers a large dust holding capacity that extends replacement intervals without sacrificing protection. In combination with AAF's oil and water repellent HydroGT filters, operators can benefit from reduced lifecycle costs while still maintaining protection to the engine.

### Features and benefits

#### Low pressure drop

Protection doesn't come at the expense of performance.

#### Large surface area

Creates greater filtration and depth loading ability.

#### Smart design

Optimum pleat spacing and hot melt separation promote maximum filter life.

#### Stands up to tough conditions

Sturdy construction makes DuraGT highly resistant to damage and wear.

#### Easy to install

Rigid construction simplifies installation in front, rear and side-access systems.

#### Easy disposal

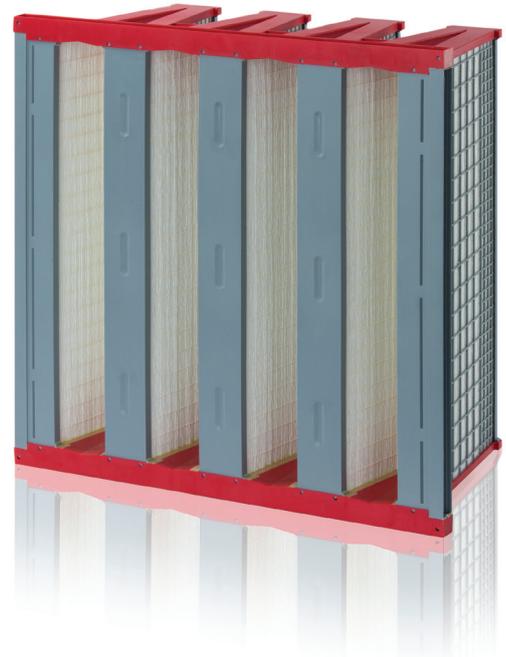
Fully incinerable for safe, simple disposal.

#### Temperature tolerant

Rated to a maximum temperature of 70 °C (158 °F).

#### Close coupling

Available in standard and reverse flow, ideal for close coupling.



### Product highlights

- | Protect engines with sustained particulate collection
- | Media packs potted on all sides for a leak-free seal
- | Corrosion-proof construction
- | Protection screens for increased filter media stability and high burst pressure
- | Quick and easy maintenance



BETTER AIR IS OUR BUSINESS®

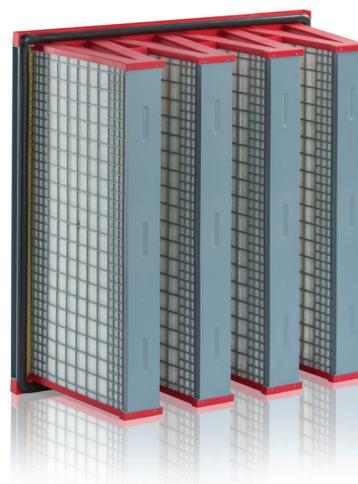
GAS TURBINE  
SOLUTIONS

# DuraGT™ V300

## Performance specification data

### Overview

Recommended final resistance	450 Pa   1.8 in.WG <sup>1</sup>
Burst strength	> 3000 Pa   12 in.WG
Max. operating temperature	70 °C   158 °F
Humidity range	0 to 100 % relative humidity



### Filter model details

Filter model	Part number	Initial pressure loss at stated airflow		Efficiency class <sup>2</sup>
		3400 m <sup>3</sup> /h   2000 CFM	4250 m <sup>3</sup> /h   2500 CFM	
DuraGT V300M6	BV301-A.0	72 Pa   0.29 in.WG	101 Pa   0.41 in.WG	M6   MERV 11
DuraGT V300F7	BV302-A.0	82 Pa   0.33 in.WG	113 Pa   0.45 in.WG	F7   MERV 13
DuraGT V300F8	BV303-A.0	86 Pa   0.35 in.WG	116 Pa   0.47 in.WG	F8   MERV 14
DuraGT V300F9	BV304-A.0	107 Pa   0.43 in.WG	143 Pa   0.57 in.WG	F9   MERV 15

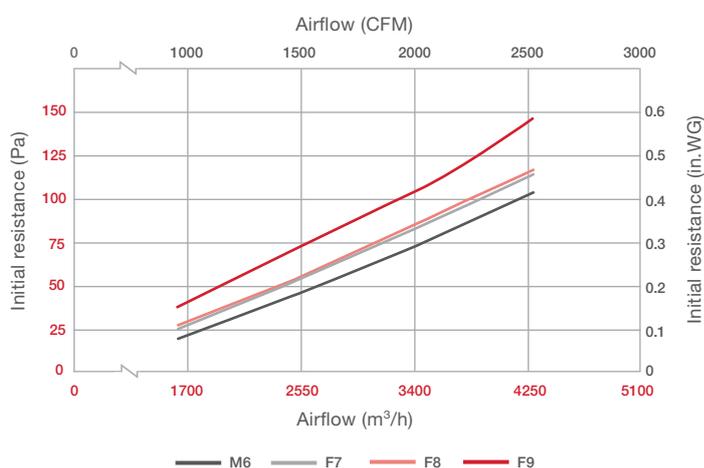
### Construction

Filter media	Glass fibre
Frame material	Plastic
Protection screen	Plastic
Sealant	Polyurethane
Gasket	Continuous foaming polyurethane

### Dimensions

Width	592 mm   23⅓ in
Height	592 mm   23⅓ in
Depth	292 mm   11½ in
Weight	9 kg   19.8 lb

### Resistance curve



<sup>1</sup> Max. final resistance 625 Pa | 2.5 in.WG.

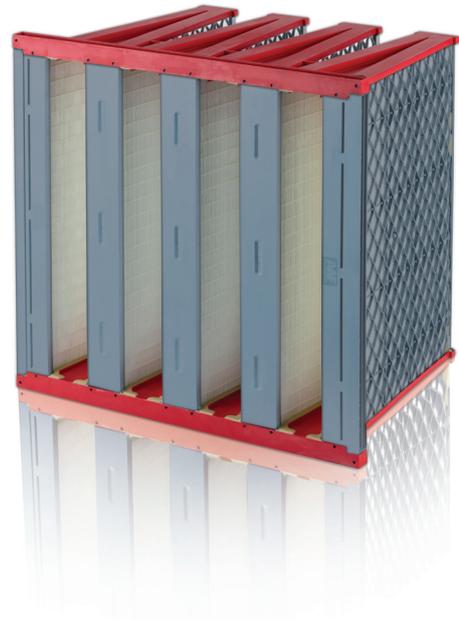
<sup>2</sup> Up to 4250m<sup>3</sup>/h 2500 CFM. Based on EN779:2012, ASHRAE 52.2:2017.

# DuraGT™ V450

## Performance specification data

### Overview

Recommended final resistance	450 Pa   1.8 in.WG <sup>1</sup>
Burst strength	> 6000 Pa   24 in.WG
Max. operating temperature	70 °C   158 °F
Humidity range	0 to 100 % relative humidity



### Filter model details

Filter model	Part number	Rated airflow <sup>2</sup>	Initial pressure loss	Efficiency class <sup>3</sup>
DuraGT V450F8	BV405-B.0	4250 m <sup>3</sup> /h   2500 CFM	110 Pa   0.44 in.WG	F8   MERV 14

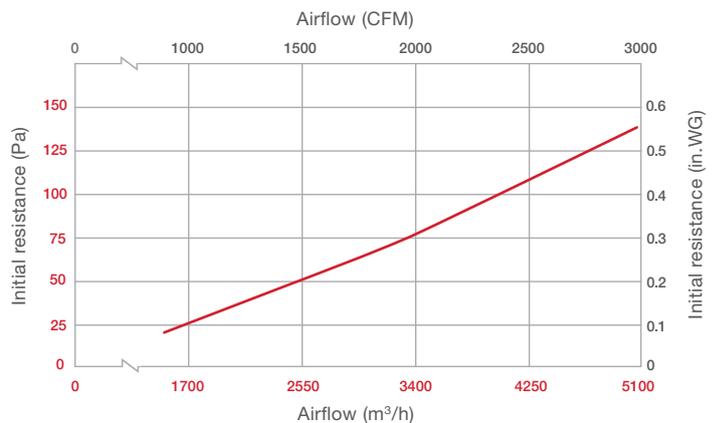
### Construction

Filter media	Glass fibre
Frame material	Plastic
Protection screen	Plastic
Sealant	Polyurethane
Gasket	Continuous foaming polyurethane

### Dimensions

Width	592 mm   23 1/8 in
Height	592 mm   23 1/8 in
Depth	440 mm   17 1/8 in
Weight	12 kg   26.5 lb

### Resistance curve



<sup>1</sup> Max. final resistance 625 Pa | 2.5 in.WG.

<sup>2</sup> Filter can be operated up to 125 % of rated airflow.

<sup>3</sup> Based on EN779:2012, ASHRAE 52.2:2017.