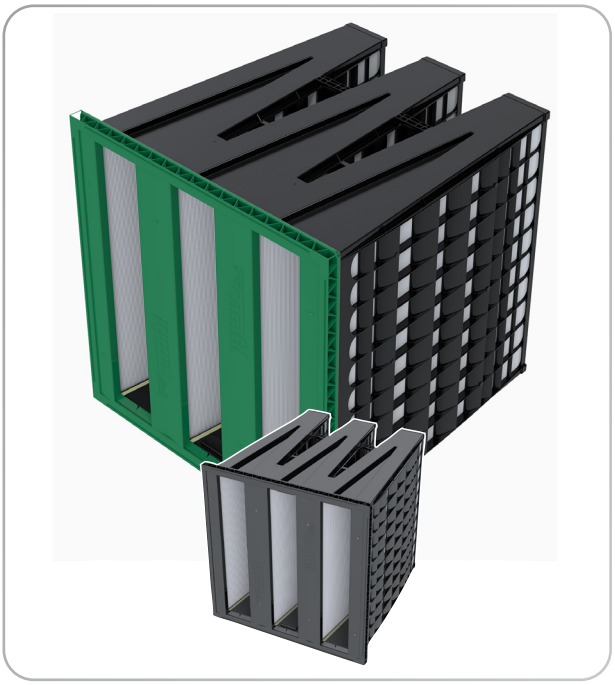
CamGT 3V-600

for turbomachinery



The CamGT 3V-600 is Camfil's flagship filter specifically developed for turbomachinery inlet air filtration. The CamGT 3V-600 meets all the requirements for the latest gas turbines, diesel engines and compressors, while maximizing availability, reliability, and profits.

The CamGT 3V-600 is built on a solid 600 mm deep frame with extended media area. The unique design provides industry-leading pressure drop and dust holding capacity ensuring optimum perfomance, low average pressure drop and a long filter life.

Solid EPA construction

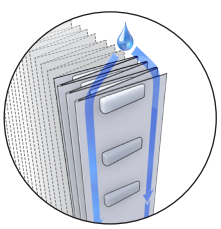
The CamGT's performance is based on Camfil's patented construction featuring a patented double-sealing frame and vertical pleats combined with open hot melt separators. The filter media packs are glued to the frame in two distinct bonding processes to eliminate the possibility of air bypass and withstand the often severe pressure fluctuations encountered in turbomachinery applications.

For additional integrity, a patented aerodynamic grid is added to the air exit sides. Combined with the new solid frame, the filter withstands a continuous pressure drop of over 6 250 Pa (25"w.g.) when wet and up to 7 500 Pa (30" w.g.) when dry.

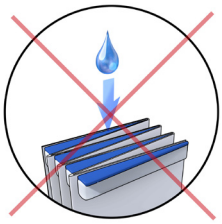
High humidity & salt protection

An air inlet filter located offshore or near water must be able to handle salt-laden air. With changing humidity, salt changes in size and characteristic. Wet salt that has a tendency to re-entrain into the filter media when dried out.

The vertical pleats is combined with our patented open hot melt separators. Compared with closed hot melt, the trapped water can drain freely from the filter during operation. This avoiding re-entrainment of dissolved impurities and maintains low pressure drop under high humidity conditions.



Camfil's unique open hot melt separator design



Industry standard closed hot melt separators

The frame has a unique draining system where water is immediately separated from the media and drained out through special drainage channels. These channels are isolated from the media and minimise the risk of water migrating through the media.

Reduced shutdowns

The CamGT range includes the high efficiency T10, T11, and T12 versions. They all offer considerable improvements in engine protection, resulting in lower engine degradation and prolonged service intervals without need of shutdowns for compressor cleaning.

Each filter grade has been aerodynamically optimized in order to provide the lowest possible pressure drop, extending filter life and reducing unnecessary maintenance stops for filter replacement.

Key features:

- **Low average pressure drop**
- **Excellent water drainage**
- **High filtration efficiency**
- **Low pressure drop in wet / dry conditions**
- **Solid (H)EPA frame eliminates air bypass**
- **Resistant to extreme pressure drops**
- **Suitable for all environments**

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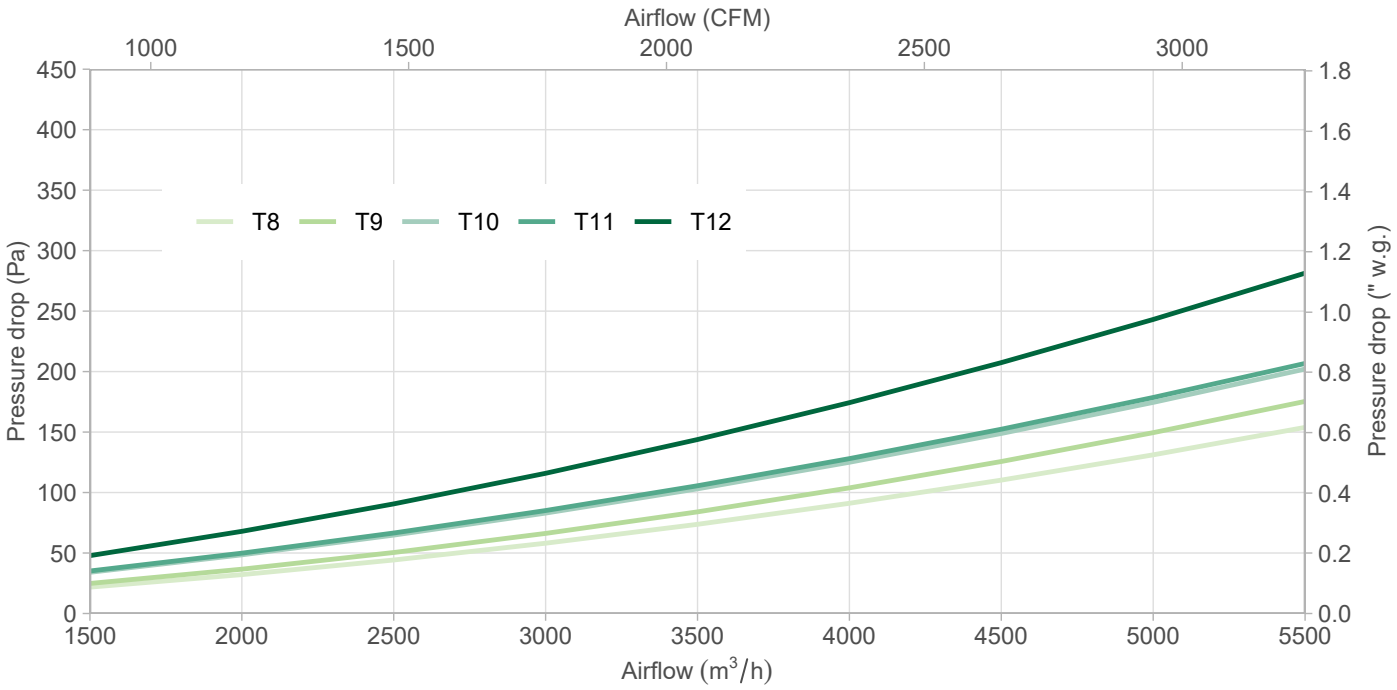
Pressure drop



Technical data

Model	WxHxD		Shipping data		Air flow/Press. loss		Filter class
	mm	inch	m^3 / ft^3	kg / lb	m^3 / h / Pa	CFM / "wg	ISO 29461-1:2021
CamGT 3V-600 T8	592×592×600	23.3×23.3×23.7	0.22/7.8	15/33	4250/95	2500/0.38	T8
CamGT 3V-600 T9	592×592×600	23.3×23.3×23.7	0.22/7.8	15/33	4250/115	2500/0.46	T9
CamGT 3V-600 T10	592×592×600	23.3×23.3×23.7	0.22/7.8	16/34	4250/135	2500/0.54	T10
CamGT 3V-600 T11	592×592×600	23.3×23.3×23.7	0.22/7.8	16/34	4250/140	2500/0.56	T11
CamGT 3V-600 T12	592×592×600	23.3×23.3×23.7	0.22/7.8	17/35	4250/190	2500/0.76	T12

Type	Compact pleated filter	**Header**	25 mm
Frame	Injection moulded plastic	**Rec. temperature**	70°C/158°F max. operating temp.
Media	Glass fiber	**Burst strength**	>6 250 Pa continuous wet/soaked
Separators	Hot melt	**Nominal airflow**	4 250 m^3 / h
Gasket	Continuous PU foam	**Maximum airflow**	1.8 x nominal airflow
Seal	Polyurethane double sealing system	**Efficiency standards**	ISO 29461-1:2021

Model variations available	• CamBrane (composite membrane media) • Reverse flow with powder-coated metallic support grid • Additional media grades upon request

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Camfil Power Systems

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