CamGT

3V-600 for turbomachinery

The CamGT 3V-600 is a newly designed 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 maximising yield and minimising costs.

The new CamGT 3V600 is a 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

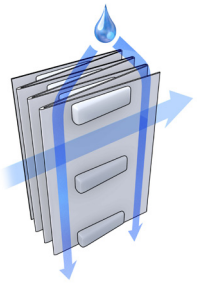
The CamGT's performance is based on Camfil's patented construction featuring a double-sealing frame and vertical pleats combined with open hot melt separators. The filter media packs are glued to the frame in two distincts bonding processes to eliminate the possibility of air bypass and withstand the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

For additional integrity, an aerodynamic grid is added to the air exit sides. Combined with the new solid frame, the filter withstands a continuous pressure drop of over 25''w.g. when wet and up to 30'' w.g. when dry.

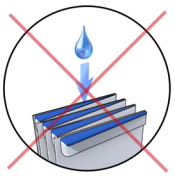
High humidity conditions

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. The new 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.



Camfil's unique open hot melt separator design



Industry standard closed hot melt separators

Reduced shutdowns

The CamGT range includes the high efficiency E10, E11 and E12 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.

Furthermore, 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 EPA frame eliminates air bypass**
- **Resistant to extreme pressure drops**

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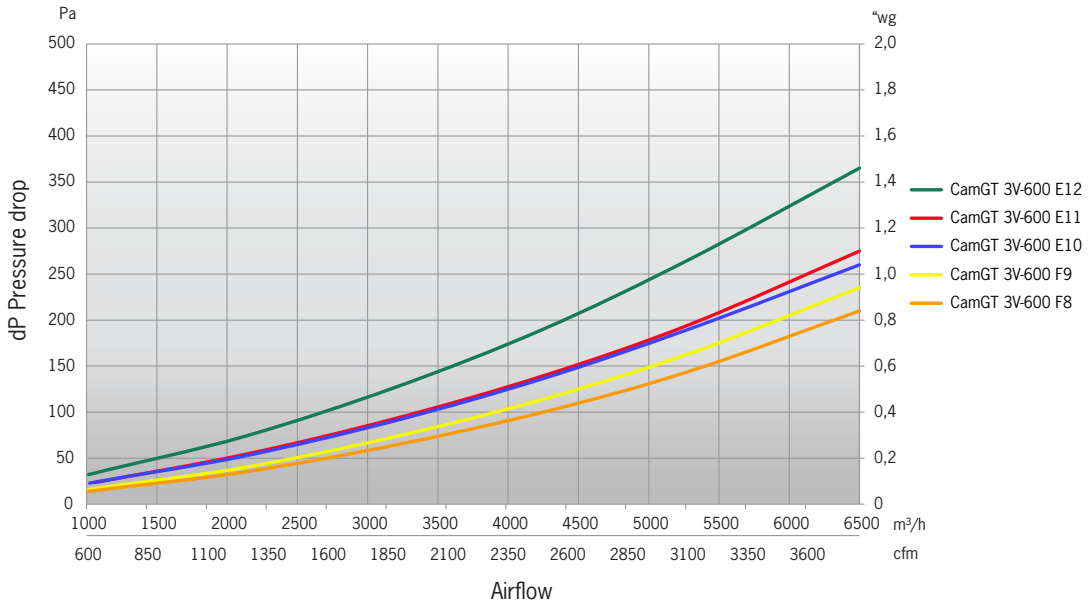
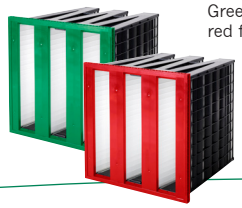
Pressure drop



Technical data

Model	WxHxD		Shipping data		Air flow/Press. loss		Filter class
	mm	inch	m³/ft³	kg/lb	m³/h/Pa	CFM/"wg	EN/ASHRAE
CamGT-F8	592×592×600	23.1/3×23.1/3×23¾	0.22 / 7.8	15 / 33	4250 / 100	2500 / 0.40	F8 / MERV 14
CamGT-F9	592×592×600	23.1/3×23.1/3×23¾	0.22 / 7.8	15 / 33	4250 / 115	2500 / 0.46	F9 / MERV 15
CamGT-E10	592×592×600	23.1/3×23.1/3×23¾	0.22 / 7.8	15 / 33	4250 / 135	2500 / 0.54	E10 / MERV 16
CamGT-E11	592×592×600	23.1/3×23.1/3×23¾	0.22 / 7.8	15 / 33	4250 / 140	2500 / 0.56	E11
CamGT-E12	592×592×600	23.1/3×23.1/3×23¾	0.22 / 7.8	15 / 33	4250 / 190	2500 / 0.76	E12

Type	Compact pleated filter	**Rec. temperature**	70°C/158°F max. operating temp.
Frame	Injection moulded plastic part	**Rec. final pressure drop**	600 Pa / 2.4" wg
Media	Pleated Glass fiber media	**Burst strengt**	>6 250 Pa continuous wet/soaked
Separators	Hot melt	**Efficiency class**	EN 1822:2009
Gasket	Continuous PU foam		EN779:2012
Seal	Polyurethane double sealing system		ASHRAE 52.2:2007



Green header for the F/-MERV-series, red for the E-series.