

# CamPulse Media

## CLEAN AIR SOLUTIONS FOR ALL DUST ENVIRONMENTS

### Pulse filters for various environments

Supplying filtered combustion and ventilation air in harsh environments presents a technical challenge. In addition to the high dust load, there are also industrial contaminants to contend with, such as hydrocarbons, cement, shot-blast sand, dust from construction work etc. The climate also brings challenges, including salt-laden coastal storms or frequent ground fog. Solid par-

ticles, salt and other aggressive contaminants and aerosols can cause plugging and corrosion, resulting in deterioration in performance, higher operating costs and expensive shutdowns. In order to provide the best possible protection and optimize engine performance, the filtration solution must be adapted to the specific site conditions. The filter media should be chosen to give the lowest life cycle cost.



**The Cambrane** is an EPA media with 99% efficiency built in 5 layers including a pre-filter synthetic media layers with high dust loading capacity and excellent performance in both dry and humid conditions and a supporting base made of a robust synthetic substrate that gives strength and allows it to meet high burst strength requirement. The high efficiency results in lower engine degradation and prolonged service intervals without need of shutdowns for compressor cleaning.



**GTC Synthetic** has new, non-discharging fibre media with unique properties, giving the filter a high level of efficiency over its entire lifetime. The smooth synthetic fibres offer low resistance to airflow and, therefore, maintain a low pressure drop during the life of the filter. The combination of surface- and depth-loading media is the ideal solution for removing hydroscopic particles in areas of high humidity, such as coastal and wet tropical environments, which makes this the perfect choice for most installations.



**GTD Synthetic** A layer of nanofibres over the synthetic substrate significantly increases dust collection on the media surface, resulting in improved dust release when pulsed. Pure surface-loading with a high dust-loading capacity media ideal for desert and dry/arid environments.



**PolyTech** blended media have a microfibre, synthetic, melt-blown surface laminate and moisture-resistant silicone treatment for optimum filtration efficiency and dust release characteristics. The blend of cellulosic and synthetic fibres provides added moisture resistance.

## MEDIA SELECTION GUIDE

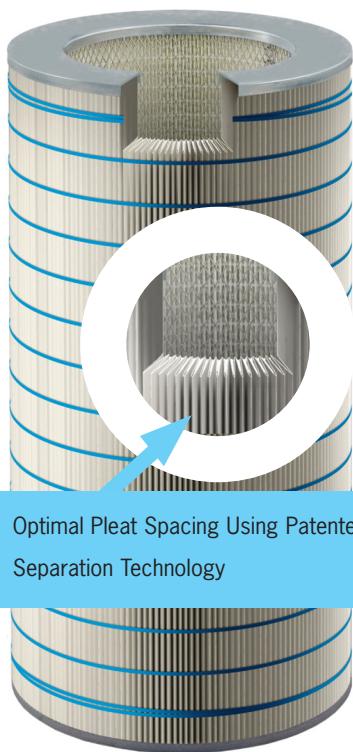
Selection Guide	Coarse particle/dry High dust concentration in dry rural and industrial areas.	Semi-Arid Arid, frequent ground fog, seasonal humidity. Heavy dust concentration	Urban/industrial High dust load and contaminants like hydrocarbons, cement, blast sand, gypsum	Humid areas Inland and coastal areas. Hot and humid. Agriculture may produce corrosive dust	Artic areas Cold dry air. Frost and ice fog. Silica. Quartz. Carbon. Iron. Iron oxide. Sodium	Desert areas Arid. Fluctuations in wind speed and dust concentration.
CamPulse GT CamBrane HEPA 99% MMPS EN1822:2009 E11	●	●	●●	●●●	●●	●
CamPulse GTC Synthetic MERV 15 EN779:2012 F9	●●	●●●	●●●	●●●	●●●	●●
CamPulse GTD Synthetic MERV 16 EN779:2012 F9	●●●	●●	●●●	●	●●	●●●
CamPulse GT Polytech HE MERV 16 EN779:2012 F7 EN779:2002 F9	●●	●●	●●	●●	●	●●



= First choice for highest efficiency and filter life time  
 = Recommended for good efficiency and filter life time  
 = Adequate efficiency

Note: These recommendations are for comparing Camfil Farr products only. For competitive filters, compare given test data.

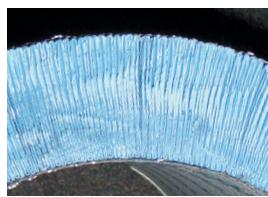
No matter the situation, our HemiPleat™ can improve your gas turbine performance



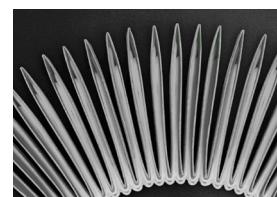
Optimal Pleat Spacing Using Patented Separation Technology

All of our cartridge filters are pleated using the HemiPleat™, key to the superior performance of Camfil Farr pulse cleaning cartridges. Synthetic beads hold the pleats further open and the wider spacing in the HemiPleat™ design gives greater media utilization and more effective filtration. The HemiPleat™ clearly outperforms the competition when tested in high performance situations. The HemiPleat™ captures more air pollutants and releases more when pulsed. This results in less fouling and a longer filter life.

- The cartridge has a lower clean media pressure drop for a given airflow.
- It has more available/usable media for filtration, thus it holds a larger volume of dust before requiring cleaning than filters with more tightly packed media.
- Particulate matter is ejected from deep within the pleats during pulsing.



Typical Industry Packed Media Pleats



HemiPleat Breathable Media Pleats

