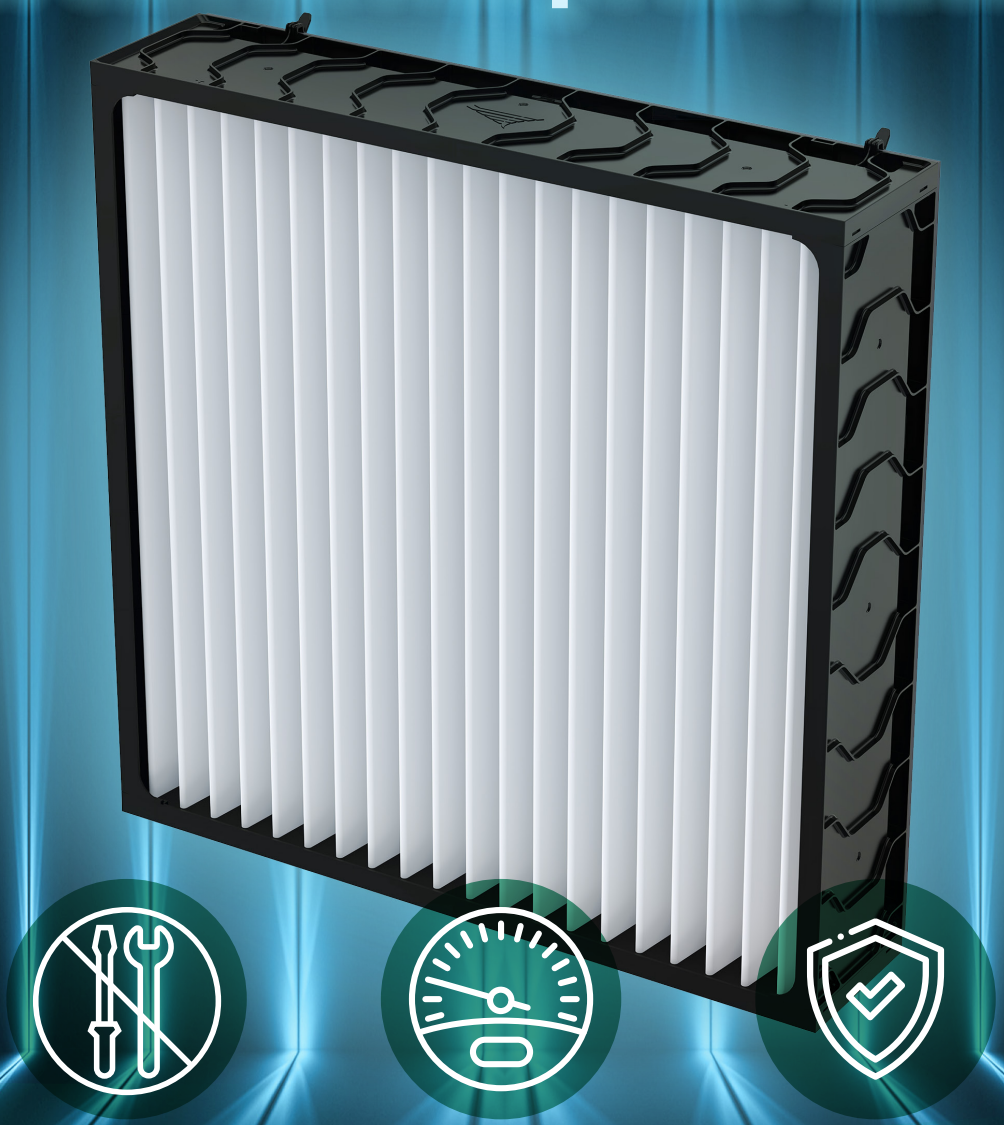
camfil

CAMCLOSE

Hassle-free operations, increased performance & excellent protection



Clean air solutions for turbomachinery

CAMCLOSE

The CamClose is Camfil's ***new generation panel air filter*** designed to ***extend the service life of final filters***. By adding the CamClose pre-filter in front of the final filter, ***overall filtration efficiency*** is further improved.

The CamClose has a ***user-friendly design, robust construction, and best-in-class water handling properties.*** These features make it an ***excellent pre-filter for most turbomachinery and gas turbine applications.*** It is ***especially suitable for humid conditions*** such as tropical and coastal installations.

3 FILTER EFFICIENCY CLASSES

G4 / ISO COARSE 60%	T5 / ISO ePM10 65%	T6 / ISO ePM2.5 50%

HASSLE-FREE OPERATIONS

- Quick installation with built-in clips
- Know when to replace filters with the patented dP port
- Online filter change

INCREASED PERFORMANCE

- Extended pre-filter life
- Stable pressure drop
- Prolong final filter life

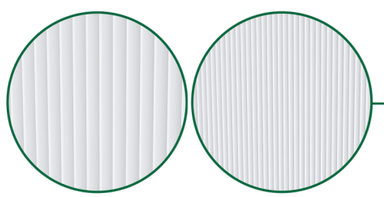
EXCELLENT PROTECTION

- High burst strength > 6250 Pa (25" w.g.)
- Excellent in wet conditions
- Maintains efficiency at high airflows

PATENTED
BUILT-IN PRESSURE DROP (dP) PORT
The downstream built-in pressure drop port allows for ***online measurement of pressure drop*** across different stages in a close-coupled arrangement.

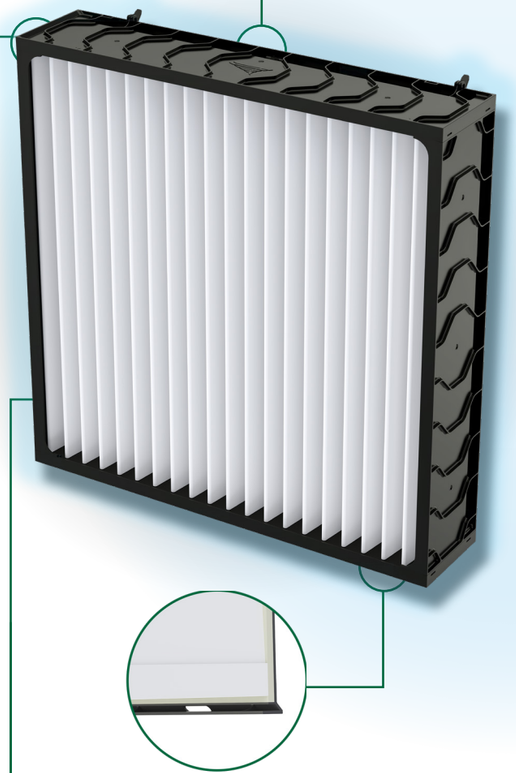
ROBUST CONSTRUCTION
Advanced design ensures that filters can ***withstand the toughest conditions***, offering maximum availability and reliability.

ADVANCED MEDIA
Advanced media design offers the ***optimal combination of low pressure drop, long life and good water handling*** for demanding applications.



G4 synthetic media

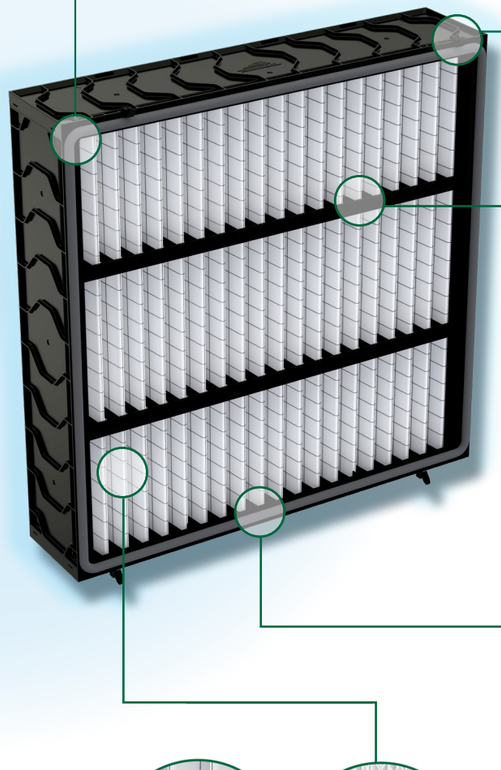
T5 & T6 glass-fibre media



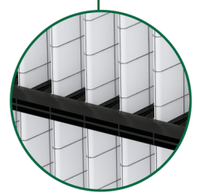
BEST-IN-CLASS DRAINAGE
The upstream flange shields the pooled water from incoming airflow and the large slots ***drain the water rapidly for superior performance in wet environments.***

PROPER SEALING
The endless polyurethane (PU) gasket ***eliminates bypass*** to offer optimal protection for the final filter and gas turbine. It is also available with a foam (PE) gasket.

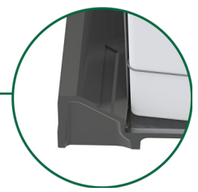
BUILT-IN CLIPS
CamClose offers two options for filter installation. The first option has built-in plastic clips that offer a ***hassle-free installation right out of the box by close-coupling the pre-filter to the final filter***. The second option includes conventional clips.



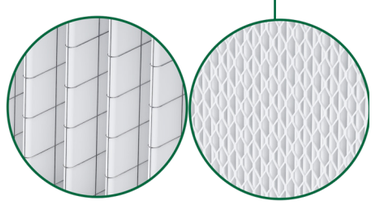
AERODYNAMIC SEPARATOR
The downstream pleat separator (G4 variant) provides the ***optimal balance of strength and pressure drop*** while ensuring the filter has a long life in high airflow applications.
*G4 version only



DOWNSTREAM SPACER
The downstream spacer allows for ***optimal airflow*** development and offers a pressure drop benefit for close-coupled installations.



MEDIA SUPPORT
Media support offers ***increased strength*** in high airflow applications.
*G4: wire-backing and aerodynamic pleat separator
*T5, T6: expanded metal grid



KEY FEATURES

- Built in plastic clips for easy installation
- Patented pressure drop measurement port for online measurement
- Advanced media for low pressure drop, long life, and good water handling
- Drainage vanes, proper sealing and coalescing properties give best-in-class-water and contaminant handling
- Robust frame maintains filter integrity
- Lowest pressure drop in the G4 panel filter class
- High burst strength > 6250 Pa (25” w.g.)

APPLICATION AREAS

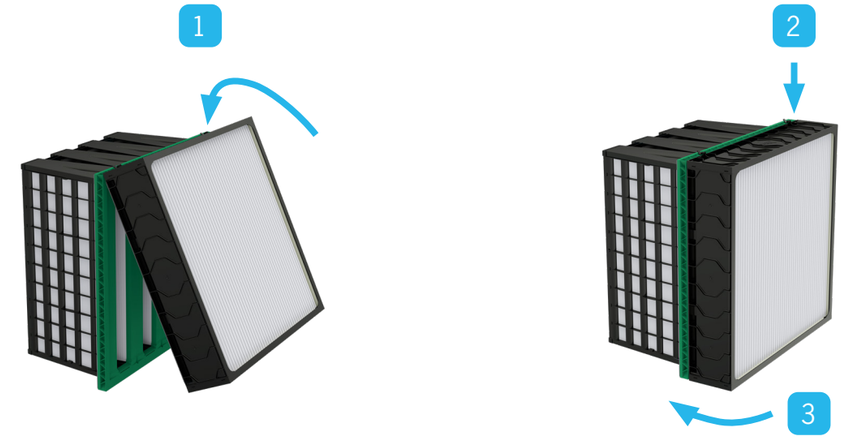
- Pre-filter for gas turbines and other turbomachinery
- Suitable for most areas, including wet and coastal installations

INSTRUCTIONS FOR INSTALLATION

The CamClose panel air filter extends the service life of the final filter by offering a low initial pressure drop and high dust loading capacity. It has been engineered with unique built-in clips which allows it to be close-coupled to a final filter, enabling a quick and efficient installation.

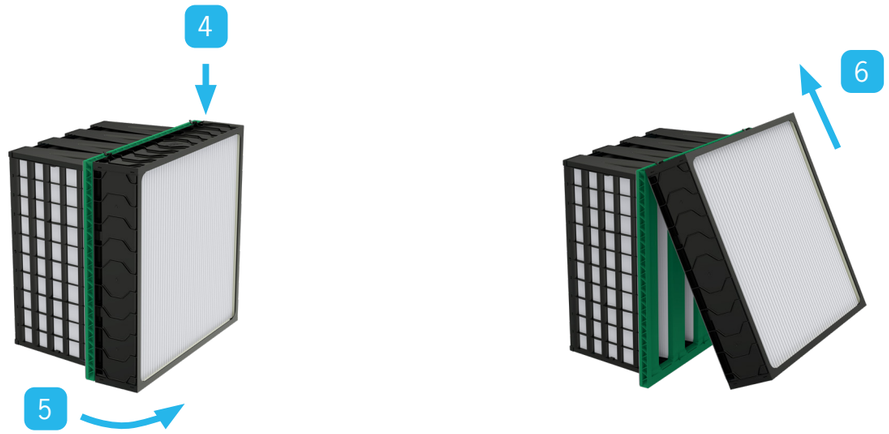
Instructions for installing

1. Hook the upper clips onto the downstream filter.
2. Push the filter gently downwards.
3. Push the filter bottom until the bottom clips snap onto the downstream filter.



Instructions for uninstalling

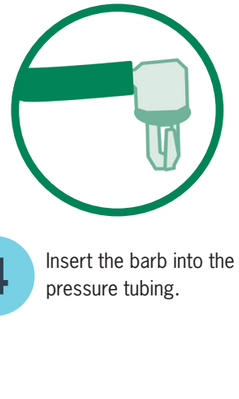
4. Push the filter straight down and,
5. pull out the bottom until the bottom clips are released.
6. Lift the filter until the upper clips are released and remove the filter.



BUILT-IN MEASUREMENT PORT

1 Break the port at the bottom of the filter (using a screwdriver and a mallet) taking care to not damage the media.

2 Deburr the hole edge (only for large bits sticking out).

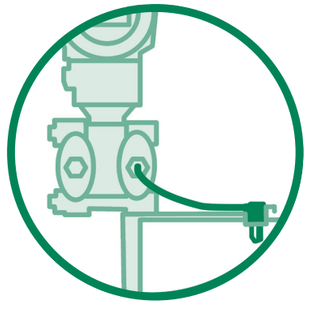


3 Install the gasket directly onto the fitting.

4 Insert the barb into the pressure tubing.

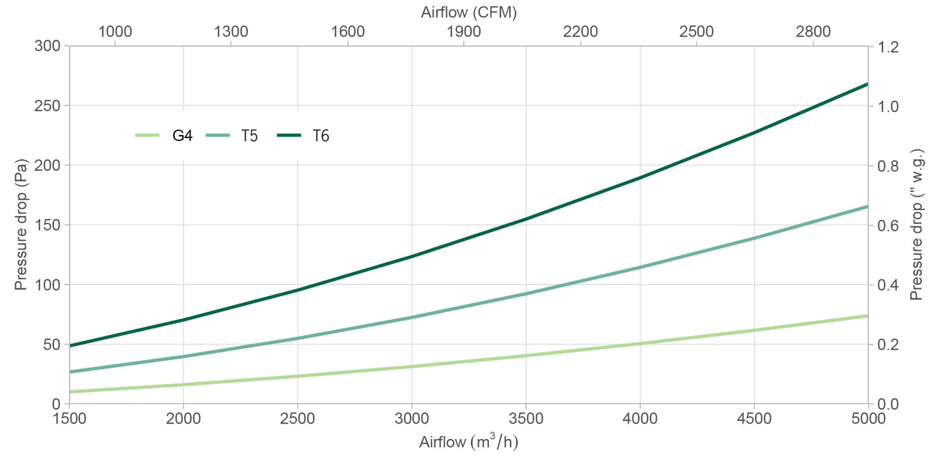
5 Insert the fitting into the port and make sure it is well sealed.

6 Connect the pressure tube to the pressure drop transmitter/gauge.



CAMCLOSE PERFORMANCE DATA

Pressure drop

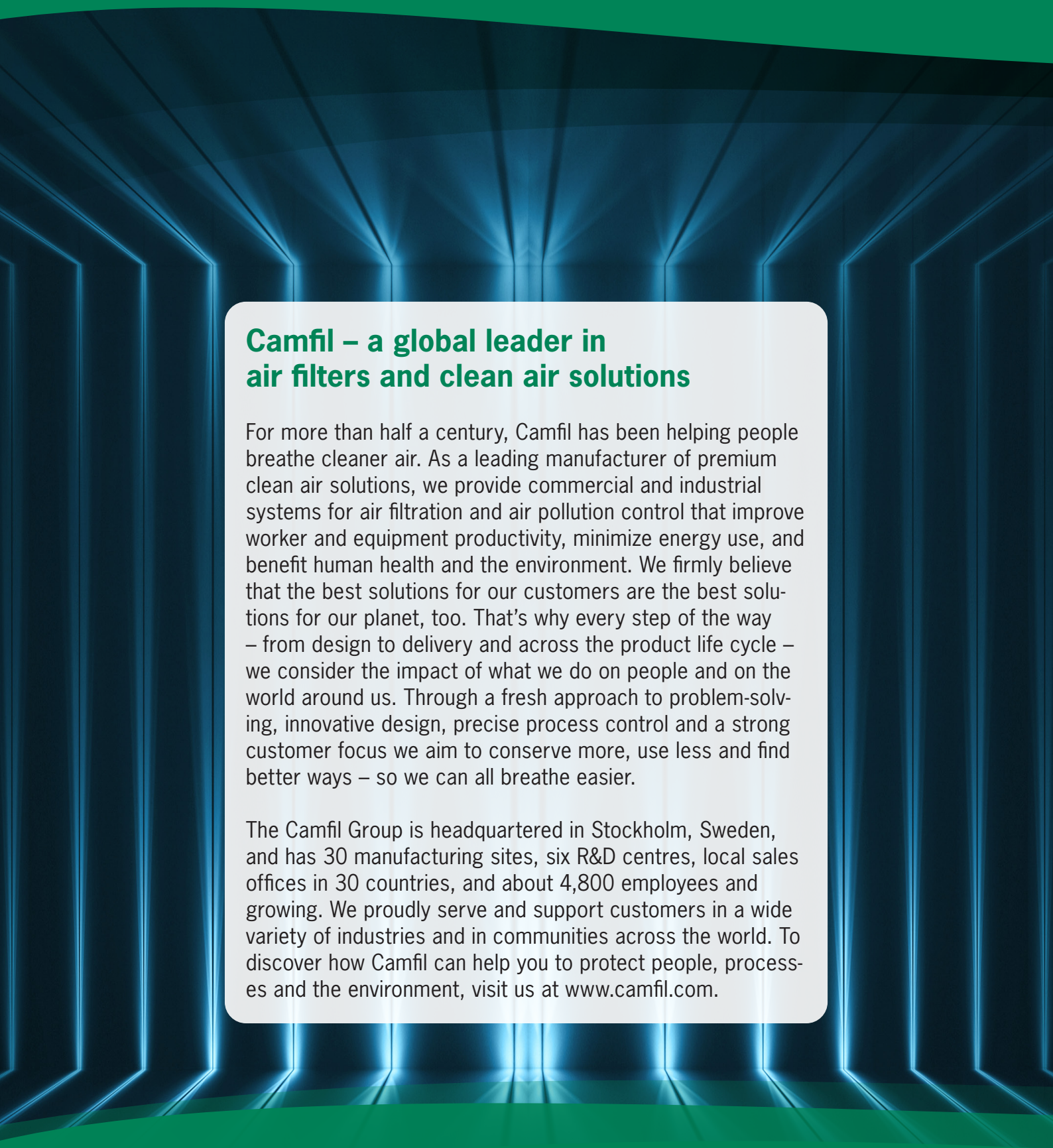


Technical data

Model	WxHxD (excl. built-in plastic clips)		Shipping data (two filters per box)			Media area	Air flow/Press. loss		Filter class*
	mm	inch	m^3 | ft^3	kg | lbs		m^2 | ft^2	m^3/h | Pa	CFM | "w.g.	
CamClose G4	592 x 592 x 129	23.3 x 23.3 x 5	0.14 | 4.9	6.0 | 13.2		2.3 | 24.8	4250 | 55	2500 | 0.22	ISO Coarse 60% | G4
CamClose T5	592 x 592 x 129	23.3 x 23.3 x 5	0.14 | 4.9	11.3 | 24.9		12 | 129.2	4250 | 125	2500 | 0.50	T5
CamClose T6	592 x 592 x 129	23.3 x 23.3 x 5	0.14 | 4.9	11.3 | 24.9		12 | 129.2	3400 | 145	2000 | 0.58	T6

*Filter class: CamClose G4 per filter test standards ISO 16890:2016 & EN779:2012; CamClose T5 & T6 per filter test standard ISO 29461-1:2021

Type	Pleated panel filter	**Rec. temperature**	70°C / 158°F max. operating temp.
Frame	Injection moulded plastic		
Media	G4: synthetic media T5, T6: hydrophobic glass-fibre media	**Burst strength**	> 6250 Pa (25" w.g.)
Gasket	Foam gasket or endless poured polyurethane gasket	**Efficiency standards**	• EN779:2012 • ISO 16890:2016 • ISO 29461-1: 2021



Camfil – a global leader in air filters and clean air solutions

For more than half a century, Camfil has been helping people breathe cleaner air. As a leading manufacturer of premium clean air solutions, we provide commercial and industrial systems for air filtration and air pollution control that improve worker and equipment productivity, minimize energy use, and benefit human health and the environment. We firmly believe that the best solutions for our customers are the best solutions for our planet, too. That's why every step of the way – from design to delivery and across the product life cycle – we consider the impact of what we do on people and on the world around us. Through a fresh approach to problem-solving, innovative design, precise process control and a strong customer focus we aim to conserve more, use less and find better ways – so we can all breathe easier.

The Camfil Group is headquartered in Stockholm, Sweden, and has 30 manufacturing sites, six R&D centres, local sales offices in 30 countries, and about 4,800 employees and growing. We proudly serve and support customers in a wide variety of industries and in communities across the world. To discover how Camfil can help you to protect people, processes and the environment, visit us at www.camfil.com.

www.Camfil.com/CamClose

For further information please contact your nearest Camfil office.

CAMFIL - Clean Air Made for Improving Life