

Hi-Flo Series

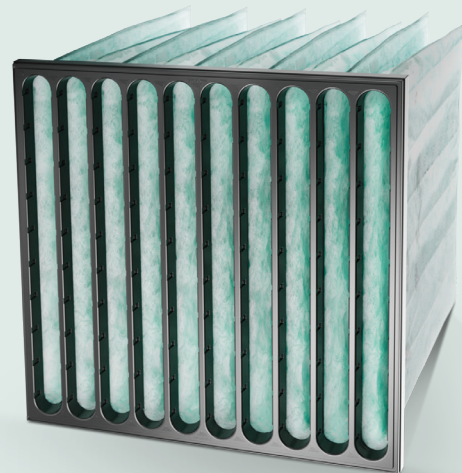
Hi-Flo

Next generation bag filters

EVOLUTIONARY DESIGN FOR OPTIMISED PERFORMANCE

Improved media construction to achieve lower pressure drop and higher dust holding capacity which results in lower energy consumption.

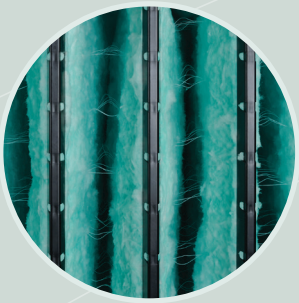
As always reliable and stable efficiency based on mechanical filtration of particles throughout the entire lifetime.



HI-FLO DETAILS



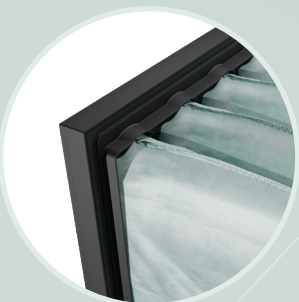
CONICAL STITCHING
Achieved by engineered threads spacing. Reduces filter resistance due maximum utilization of the media.



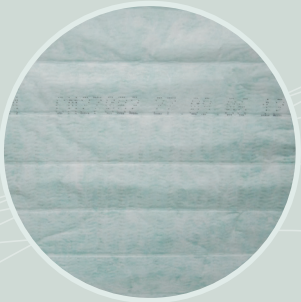
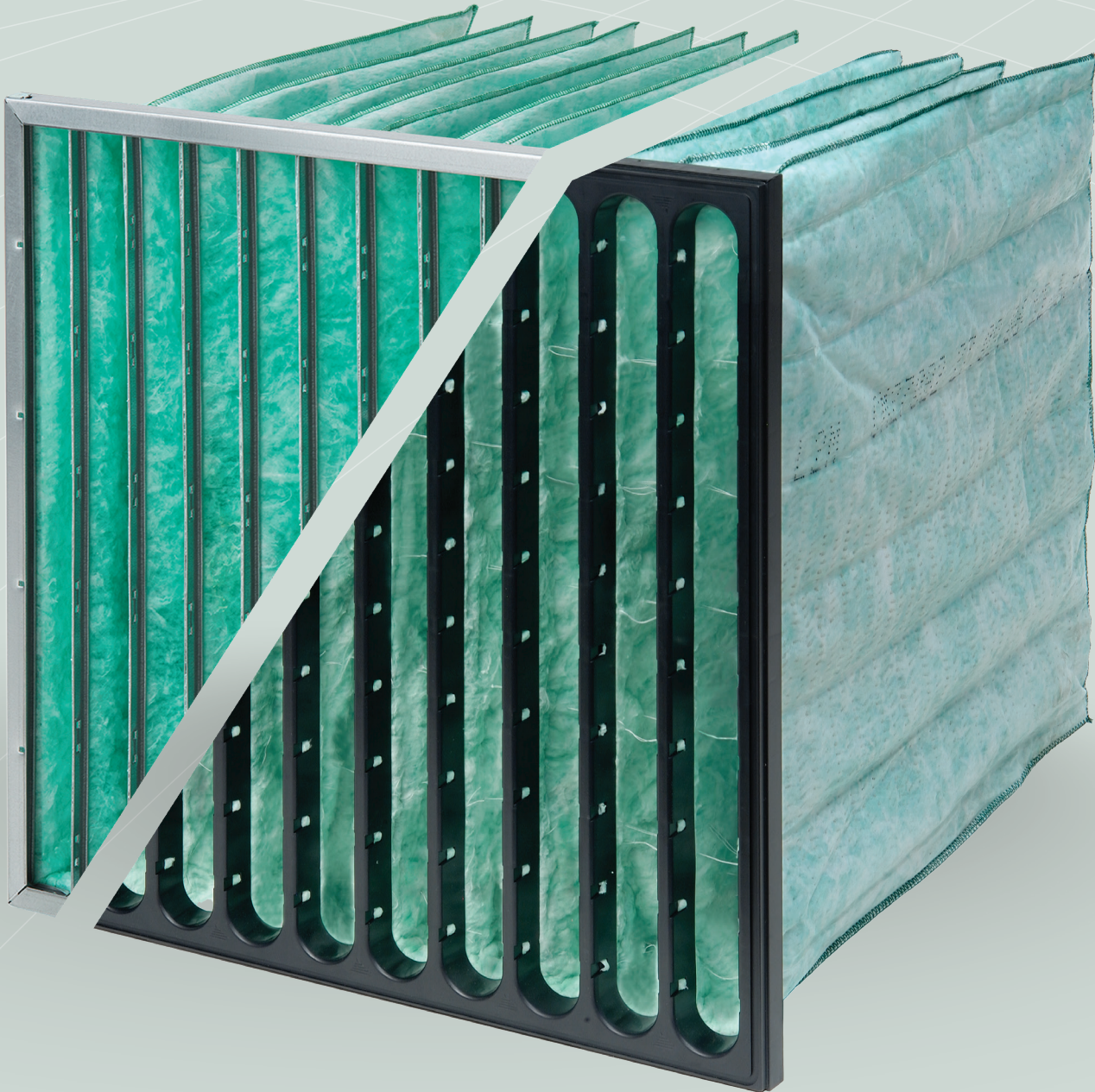
THREADS SPACING
Decreasing distance of the threads to achieve conical pocket shape.



ENVIRONMENTAL DATA
The standard models come with Environmental Product Declarations.



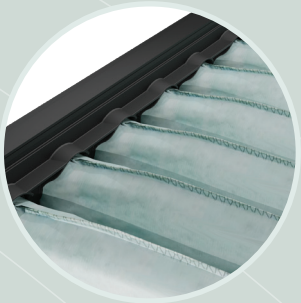
HEADER FRAME
Available in two depths: 25 mm or 20 mm.



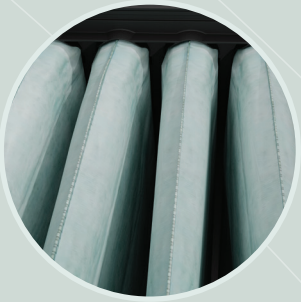
HOTMELT STRINGS
Secure the threads distance in place.



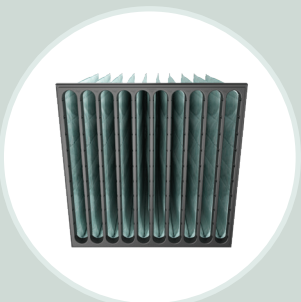
TAPERED POCKETS
Outer bag geometry is tapered to prevent overlap with adjacent filters of AHU floor.



PROTECTION RIM
To prevent accidental damage of the pockets during mounting in front access installations.



POCKETS SPACING
Distance between the bags helps to utilize the entire media area and decrease the resistance.



ENDLESS GASKET GROOVE
XL frame has a groove for PU gasket. Available on downstream and upstream side.

Hi-Flo Next Generation Benefits



Reliable filtration efficiency

The family of Hi-Flo is available in five filtration classes - ePM10 60%, ePM2,5 50%, ePM1 60%, ePM1 70%, ePM1 85%. By using media without electrostatic charge, the filtration efficiency remains stable throughout the lifetime.



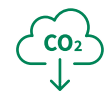
Energy performance

Next Generation of Hi-Flo achieved even higher energy performance due to further optimization of the media construction. Combining low airflow resistance with high dust capacity the Hi-Flo provides energy savings from day one.



Compliance with EN 16798-3

Hi-Flo's complete portfolio of efficiency classes is an energy-saving solution to fulfill the filtration recommendations by EN 16798-3 and Eurovent 4/23.



Emission reducing

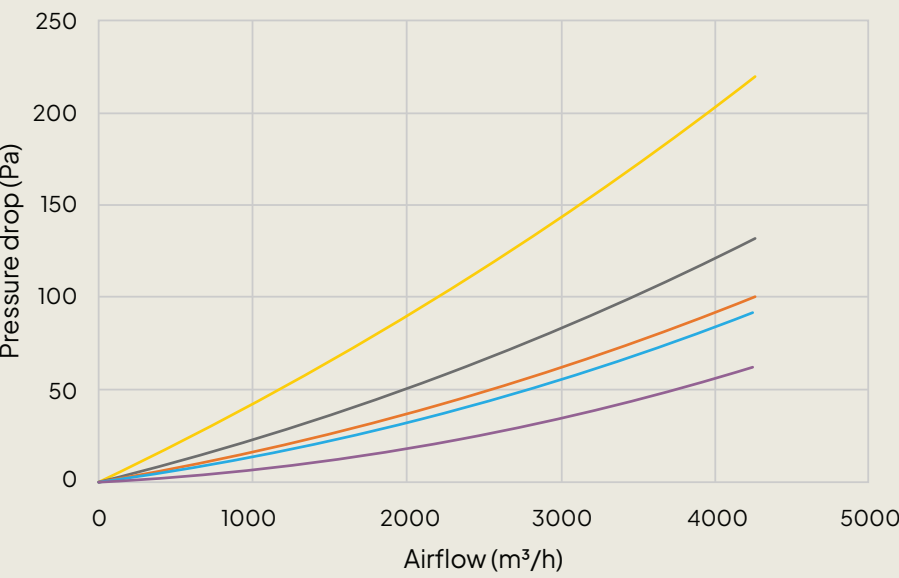
With the enhancement we have been able to provide 97.300+ tonnes of CO₂ emissions reduced from the carbon handprint of the Hi-Flo family.



Cost efficient

63+ million euros saved in energy costs by our customers through the systematic improvement of the Hi-Flo family.

Hi-Flo NG filters pressure drop curves

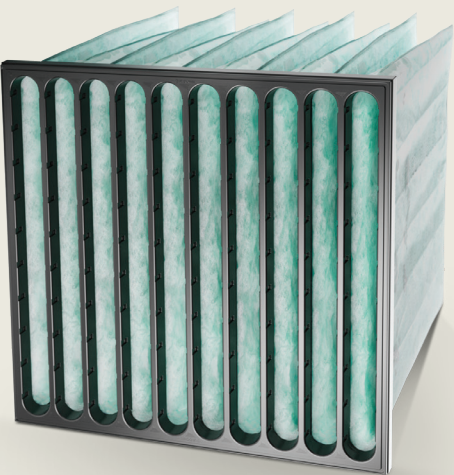


Pressure drop curves for Hi-Flo NG filters, 592x592x520 (10 pockets), in different ISO 16890 filter classes

- ePM10 60%
- ePM2,5 50%
- ePM1 60%
- ePM1 70%
- ePM1 85%

Key features

1. Stable efficiency achieved by mechanical filtration
2. Low energy consumption during service
3. Long service life
4. Wide range of filtration efficiencies
5. Light and ergonomic XL frame
6. Transparent environmental data with EPDs
7. No prefiltration stage required due to high dust capacity



Updated energy performance

HI-FLO NEXT GENERATION – ePM1 85%

Filter type	DHC* [kg]	Energy rating [kWh]	Energy class	Energy rating Δ
640-12	1.2	1520	C	-2%
640-10	1.0	1474	C	-11%
520-10	0.5	1880	D	-10%
600-8	0.6	1956	D	-8%
520-8	0.5	2266	D	-8%

HI-FLO NEXT GENERATION – ePM1 70%

Filter type	DHC* [kg]	Energy rating [kWh]	Energy class	Energy rating Δ
640-12	1.6	967	A	-12%
640-10	1.1	1065	A	-12%
520-10	0.9	1196	B	-11%
600-8	0.8	1221	B	-7%
520-8	0.6	1382	C	-19%

HI-FLO NEXT GENERATION – ePM1 60%

Filter type	DHC* [kg]	Energy rating [kWh]	Energy class	Energy rating Δ
640-12	1.6	803	A+	-4%
640-10	1.3	811	A+	-12%
520-10	0.9	943	A	-9%
640-6	0.6	1165	C	-15%
520-8	0.7	1093	B	-1%

HI-FLO NEXT GENERATION – ePM10 60%

Filter type	DHC* [kg]	Energy rating [kWh]	Energy class	Energy rating Δ
640-10	1.3	474	A+	-13%
520-10	1.0	568	A	-7%
600-8	1.1	522	A	-4%
640-6	0.8	631	B	-18%
520-6	0.6	836	C	5%

*Approximate Dust Holding Capacity tested with ISO dust A2-fine





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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, minimise energy use, and benefit human health and the environment.

**To discover how Camfil can help you to protect people,
processes and the environment, visit us at camfil.com**