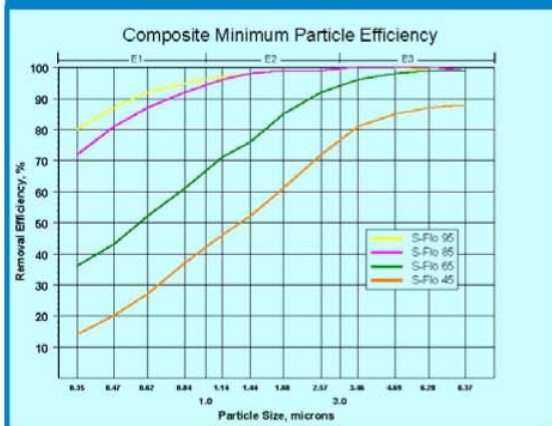


S-flo

Extended Surface Multi-Pocket Synthetic Air Filters



Synthetic media
extended surface air
filter for high efficiency
particulate removal



Values are MERVs when evaluated per ASHRAE 52.2.

The Camfil Farr S-Flo offers high efficiency particulate air filtration to address today's indoor air quality concerns. The S-Flo can remove contaminants such as fumes, smoke, bacteria, fungi, and virus-bearing droplet nuclei. S-Flo filters are available in the following efficiencies:

ASHRAE 52.1	ASHRAE 52.2	EN779
40-45%	MERV 9	F5
60-65%	MERV 11	F6
80-85%	MERV 13	F7
90-95%	MERV 14	F8

High Lofted Melt-Blown Synthetic Media

The Camfil Farr S-Flo includes a unique melt-blown synthetic media that provides critical capture of particles as small as 0.3 micron. The media incorporates a uniform high loft to provide a lower resistance to airflow than comparable high efficiency air filters. A lightweight scrim media backing ensures protection of the media and prevents media erosion.

Stronger than conventional media, the S-Flo can withstand the rigors of turbulent airflow common in certain industrial applications. Performance and configuration are unaffected by dust loading or humidity. The S-Flo may also be used in industrial applications involving chemicals that may be hostile to other types of filters.

The S-Flo is also the filter of choice for the removal of nuisance contaminants such as pollens, paper dust, and other atmospheric impurities.





Applications include commercial buildings, medical facilities, and industrial manufacturing facilities.



Camfil Farr	Product sheet
S-Flo	CFT004-0805
Camfil Farr—clean air solutions	

Melt-blown Synthetic Media (continued)

The Camfil S-Flo incorporates an exclusive blend of synthetic microfibers that are electrostatically enhanced during the fiber manufacturing process to enhance particle capture efficiency. Biologically inert, these fibers will not support microbial growth. The media is color-coded to allow quick identification of filter efficiency.

Yellow	90-95%	
Pink	80-85%	
Green	60-65%	
White	40-45%	

Individual pockets include internal welding to maintain uniform airflow channels for even dust loading and long filter life. The S-Flo can be operated to a final resistance of 1.5" w.g. without affecting product performance. Camfil Farr manufactures the S-Flo to be capable of withstanding up to 1.8" w.g., ensuring product durability in the most demanding applications.

Performance

Synthetic fibers also offer a higher initial efficiency than media manufactured of many other types of fibers, making synthetics the obvious choice for applications where higher initial efficiencies may be critical. Camfil Farr S-Flo filters are available in fractional efficiencies from 40% to 95% on particles as small as 0.3 micron in size. MERV values range from 9 to 14 when evaluated under ASHRAE Standard 52.2-1999 and F5 to F8. When evaluated under EN779-2002 and dust spot efficiencies range from 40% to 95% when evaluated under ASHRAE Standard 52.1-1992.

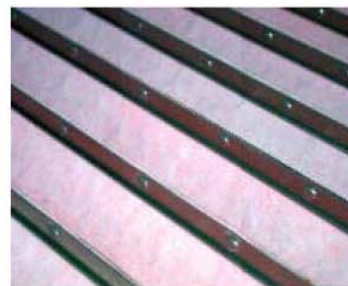
Welded Pockets & Adhesive Bonding

Camfil Farr completely seals pocket to eliminate the possibility of particle bypass through welding system. This unique seals maintain a flexibility that is unaffected by varying airflows. The media is bonded around the pocket retainers to ensure a strong pocket-to-retainer seal and minimize the potential for pocket failure.



Camfil Farr Clamp

Each galvanized steel pocket retainer is fastened with Camfil Farr's exclusive Camfil Farr Clamp creating a positive lock between pockets and eliminating the possibility of air bypass. Each pocket retainer includes rolled edges to prevent damage to the media and minimize sharp edges that may create a hazard to filter installers.



Galvanized Steel Header

A box-channel header, of one-piece corrosion resistant galvanized steel, includes rolled edges to prevent damage to the filter media. When combined with the Camfil Farr Clamp and galvanized pocket retainers, a rigid and durable assembly is created. Camfil Farr manufactures the Hi-Flo to be capable of withstanding up to 1.8" w.g. in normal HVAC application.

Leak-Free Filter Performance

Camfil farr Hi-Flo can be included a gasket on the vertical edge of the filter header. In a side-access housing, filters are mated header-to-header. The gasket prevents air bypass and ensures that the air filter will clean all of the air moving through the system.

Configurations for any Application

Camfil Farr S-Flo filters are available in a variety of configurations to suit your air quality requirements. Common configurations include from 3 to 12 pockets, depths of 15" to 25", and up to 101 square feet (9.4 square meter) of effective media area.

When selecting an S-Flo for your system, you should select a filter with the greatest effective media area within the airflow parameters and space limitations for your system.

With effective removal of sub-micron particles, dependable construction, and high dust holding capacity, the S-Flo is the perfect fit for any application.

Camfil Farr S-Flo

Code	Number Pocket	Dimension H x W x D		Initial Resistance to Air velocity 500 fpm,2.5 m/s						Media Area sq.ft/sq.m
				F8, MERV 14 (90-95%)		F7, MERV 13 (80-85%)		F6,MERV 11 (60-65%)		
		(inches)	(mm.)	Model	(Pa/In.wg)	Model	(Pa/In.wg)	Model	(Pa/In.wg)	
S-Flo-W P	10	24 x 24 x 21	592 x 592 x 534	P8	95 / 0.38"	P7	75 / 0.30"	P6	45 / 0.18"	70.2 / 6.5
	8	20 x 24 x 21	490 x 592 x 534	Q8	95 / 0.38"	Q7	75 / 0.30"	Q6	45 / 0.18"	56.2 / 5.2
	5	12 x 24 x 21	287 x 592 x 534	R8	95 / 0.38"	R7	75 / 0.30"	R6	45 / 0.18"	34.6 / 3.3
S-Flo-W M	12	24 x 24 x 25	592 x 592 x 635	M8	94 / 0.38"	M7	77 / 0.31"	M6	63 / 0.25"	101.5 / 9.4
	10	20 x 24 x 25	490 x 592 x 635	N8	85 / 0.34"	N7	66 / 0.26"	N6	71 / 0.28"	84.2 / 7.8
	6	12 x 24 x 25	287 x 592 x 635	O8	92 / 0.37"	O7	85 / 0.34"	O6	55 / 0.22"	50.8 / 4.7
S-Flo-W U	8	24 x 24 x 24	592 x 592 x 600	UF8	80 / 0.32"	UF7	60 / 0.24"	UF6	50 / 0.20"	68.0 / 6.3
	6	20 x 24 x 24	490 x 592 x 600	UG8	80 / 0.32"	UG7	60 / 0.24"	UG6	50 / 0.20"	49.7 / 4.6
	4	12 x 24 x 24	287 x 592 x 600	UH8	80 / 0.32"	UH7	60 / 0.24"	UH6	50 / 0.20"	34.6 / 3.2
S-Flo-W A	6	24 x 24 x 24	592 x 592 x 600	A8	100 / 0.40"	A7	52 / 0.21"	A6	55 / 0.22"	49.7 /4.6
	5	20 x 24 x 24	490 x 592 x 600	B8	100 / 0.40"	B7	52 / 0.21"	B6	55 / 0.22"	41.0 / 3.8
	3	12 x 24 x 24	287 x 592 x 600	C8	100 / 0.40"	C7	52 / 0.21"	C6	55 / 0.22"	24.8 / 2.3
S-Flo-W X	10	24 x 24 x 25	592 x 592 x 635	X8	124 / 0.50"	X7	93 / 0.37"	X6	64 / 0.26"	84.2 / 7.8
	8	20 x 24 x 25	490 x 592 x 635	Y8	92 / 0.37"	Y7	89 / 0.36"	Y6	55 / 0.22"	68.0 / 6.3
	5	12 x 24 x 25	287 x 592 x 635	Z8	72 / 0.29"	Z7	80 / 0.32"	Z6	42 / 0.17"	42.1 / 3.9
S-Flo-W T	12	24 x 24 x 15	592 x 592 x 380	TM8	182 / 0.73"	TM7	143 / 0.57"	TM6	83 / 0.33"	59.4 / 5.5
	10	20 x 24 x 15	490 x 592 x 380	TN8	143 / 0.57"	TN7	98 / 0.39"	TN6	59 / 0.24"	49.7 / 4.6
	6	12 x 24 x 15	287 x 592 x 380	TO8	139 / 0.56"	TO7	98 / 0.39"	TO6	62 / 0.25"	29.2 / 2.7

Extended Surface Pocket Filter Options

Camfil Farr Hi-Flo®

Camfil Farr also offers a glass microfiber media extended surface pocket filter that offers consistent efficiencies in the sub-micron particle ranges throughout the life of the filter. The Camfil Farr Hi-Flo is available in efficiencies of MERV 9, MERV 11, MERV 13 and MERV14 based upon evaluation using ASHRAE Standard 52.2-1999 and F5, F6, F7 F8 based on EN779-2002 standard.

Camfil Farr Style Header

Standard Hi-Flos include a 20 mm. and 25 mm. header for filter installation.

S-Flo

UL Class 1 Hi-Flo®

The S-Flo is only available in UL Class 2. If UL Class 1 is required, the Camfil Farr Hi-Flo is available in a Underwriters Laboratories UL Class 1 configuration. It is important to note that both classes of filters will burn when attacked by flames, and both will self-extinguish when clean.

UL Class 1 - Air filters which, when clean, do not contribute fuel when attacked by flame and emit only negligible amounts of smoke.

UL Class 2 - Air filters which, when clean, burn moderately when attacked by flame, or emit moderate amounts of smoke, or both.



SPECIFICATIONS

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1.0 General

1.1 - Air filters shall be high efficiency ASHRAE extended surface pocket style filters consisting of a melt-blown lofted synthetic media, a galvanized steel header and pocket retainers, and bonding agents to prevent air bypass and ensure leak free performance. The filter shall be capable of withstanding 1.8" w.g. without pocket failure.

1.2 - Sizes shall be as noted on drawings or other supporting materials.

2.0 Construction

2.1 - Filter media shall consist of melt-blown lofted synthetic media that is bonded to a permeable media support backing forming a uniform lofted filter blanket.

2.2 - Individual pockets shall contain be welded to eliminate the possibility of particle bypass through this system.

2.3 - Pockets shall be internally sewn with a variable pocket support welded to promote uniform airflow across the surface of the media.

2.4 - Support members shall include a galvanized steel header and galvanized steel pocket retainers. The header shall be bonded to the media to prevent

air bypass. Individual pocket retainers shall be fastened with a mechanical clamp to lock individual pockets together. The media pockets shall be bonded to the pocket retainers to prevent air bypass. The frame shall form a rigid and durable support assembly.

2.5 - A filter-to-filter sealing gasket shall be installed on one of the vertical members of the filter header. (option)

3.0 Performance

3.1 - The filter shall have a Minimum Efficiency Reporting Value of (MERV 9, MERV 11, MERV 13, MERV 14) per ASHRAE Standard 52.2-1999. and (F5, F6, F7, F8) per EN779 - 2002 standard.

3.2 - Supporting data; provide laboratory test reports for each listed efficiency including all details as prescribed in ASHRAE Standards 52.1 and 52.2. and EN779 : 2002 standard.

3.3 - The filter shall be classified by Underwriters Laboratories as UL Class 2.

3.4 - Manufacturer shall provide evidence of facility certification to ISO 9001:2000.

Camfil Farr has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.

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