

AIR FILTERS

For commercial, industrial & residential applications



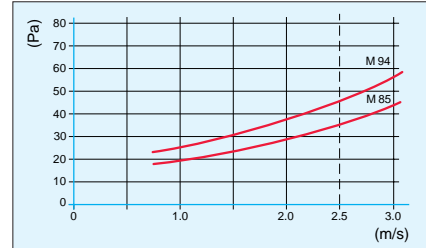
B E T T E R A I R I S O U R B U S I N E S S ®



Pads and Rolls

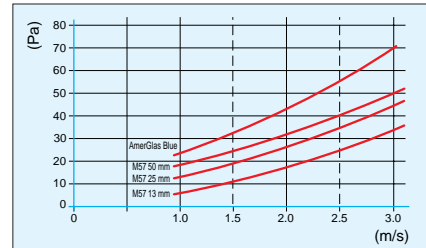
Roll-O-Mat

Roll-O-Mat glass fibre media is designed for use with AAF's automatic roll filter. The media is strong, maintaining its full width as the roll advances thus ensuring no unfiltered air bypasses the media. There are also executions to suit competitive brand roll filter sizes.



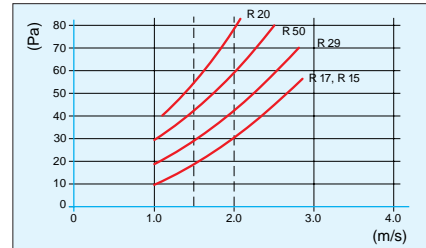
AmerGlas Blue and M57

AmerGlas Blue is a dry, homogenous media made of filament glass fibres. AmerGlas M57 is a disposable filter media, impregnated with an exclusive dirt trap adhesive to improve dust holding. Both media types are designed for use in air handling units and HVAC systems.



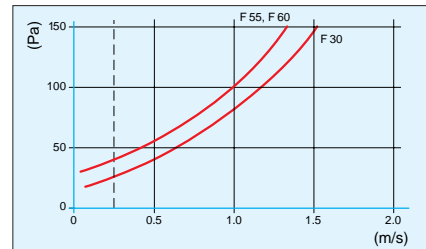
AmerTex R

A highly versatile synthetic air filter media that can be used in air handling units, air conditioning and ventilating systems, kitchen hoods and as a prefilter in multi-stage filtration systems.



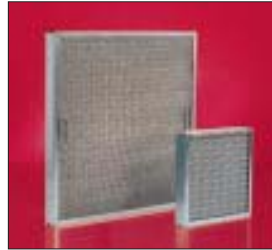
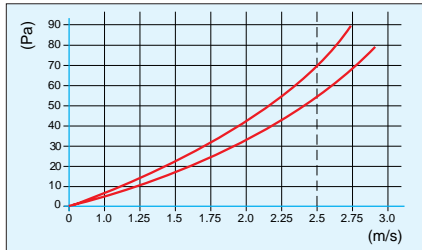
AmerTex F

AmerTex F high quality synthetic filter media is designed for paintspray cabins in which fine filtration on particulate matter is necessary to achieve a high level of air cleanliness.



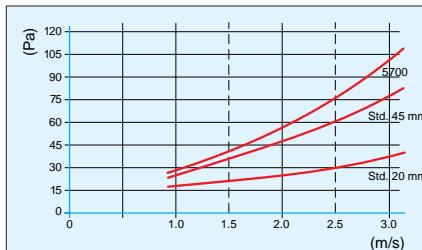
	Roll-O-Mat		AmerGlas				AmerTex R					AmerTex F		
Type	M85	M94	Blue	M57	M57	M57	R15	R17	R20	R29	R50	F30	F55	F60
Depth (mm)	50	50	19	13	25	50	12	8	30	20	16	20	20	20
EN 779 Class	G2	G3	G2	G2	G2	G2	G2	G2	G3	G3	G4	F5	F5	F5
Arrestance (%)	75-80	80-85	65-70	65-70	70-75	75-80	75-80	75-80	80-85	80-85	90	96	98	98
Efficiency (%)	-	-	-	-	-	-	-	-	-	-	-	40-45	45-50	45-50
Max. Temperature (°C)	80	80	100	80	80	80	100	100	65	100	100	100	100	100
Initial resistance (Pa)	35	45	45	25	35	40	17	17	80	26	42	25	35	35
Final resistance (Pa)	130	130	100	130	130	130	130	130	250	200	200	450	450	450
Rated face velocity (m/s)	25	25	1.5	2.5	2.5	2.5	1.5	1.5	2.0	1.5	1.5	0.25	0.25	0.25
Spec Sheet (no.)	203	203	510	512	512	512	504	504	504	504	504	532	532	532

Panel Filters



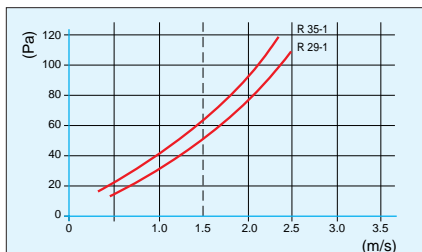
HV2000

HV2000 air filters are designed to collect grease & oil mist in kitchens, but when impregnated with BA Viscosine adhesive they are also suitable for use as prefilters in heavy duty HVAC and non-pulsating machinery intake installations. Available in galvanized or stainless steel execution.



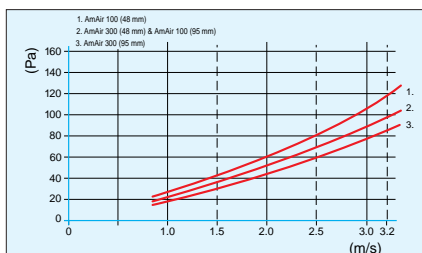
AmerGlas Standard & 5700

AmerGlas Standard is designed for light industrial and commercial applications, AmerGlas '5700' for tough, heavy duty applications. The glass fibre media of both filters is impregnated to enhance dust holding capacity and filtration efficiency.



ChevroNet

Lightweight filters for use in HVAC systems, air handling units and as prefilters to higher efficiency filters. These filters comprise a high quality synthetic media housed in a galvanized steel, stainless steel or aluminium frame. Excellent performance in conditions of high relative humidity.



AmAir Panel Filters

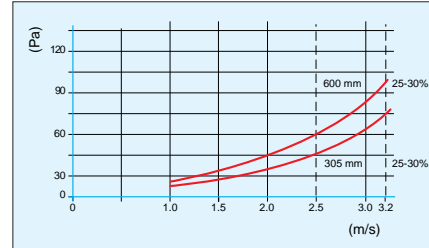
AmAir pleated filters have a large surface area and a high dust holding capacity. They are ideally suited for use as primary filters to prevent dust build-up on coils, fans and duct work or as prefilters to higher efficiency filters. These filters are also available with Intercept® biostatic preservative and in a high temperature (HT) version with a metal frame.

	HV2000	AmerGlas			ChevroNet	AmAir		
Type	HV2000	Standard	Standard	5700	ChevroNet	100	300	500
Depth (mm)	48	20	45	45	47	48/95	48/95	48/95
EN 779 Class	G2 / G3	G2	G2	G3	G3 / G4	G4	G4	F5
Arrestance (%)	60-65/80-85	70-75	75-80	80-85	80-85 (G3)	90-95	90-95	98
Efficiency (%)	-	-	-	-	45-55 (G4)	25-30	25-30	45-55
Max. Temperature (°C)	150/300	45	45	45	100	90	90	90
Initial resistance (Pa)	70 / 55	30	60	75	55 / 65	80/70	70/60	110/95
Final resistance (Pa)	250	130	130	130	350	250	250	250
Rated face velocity (m/s)	2.5	2.5	2.5	2.5	1.5	2.5	2.5	2.5
Spec Sheet (no.)	513	511	511	511	341	509	509	510

Pocket Filters

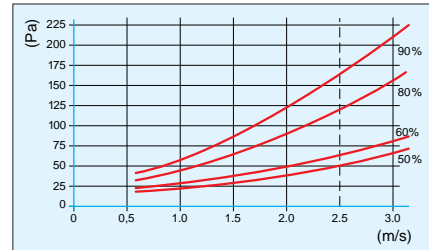
DriPak 25

DriPak 25 is a synthetic pocket filter which can be used as a prefilter or as a final filter. Due to its high dust holding capacity and robust pocket design it is particularly suited for difficult operating conditions, including variable air volume, turbulent airflow and repeated fan shutdown.



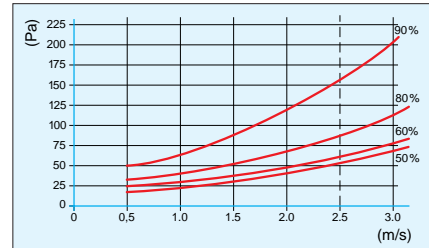
DriPak GF

DriPak glass fibre filters have an excellent dust holding capacity and long service life. A wide selection is available in virtually every feasible execution to meet a broad range of installation specifications and applications. Also available in a fully incinerable execution.



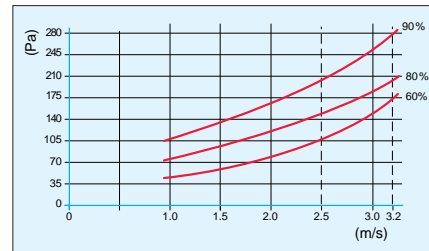
DriPak 2000

DriPak 2000 synthetic media filters are mechanically strong and suited for difficult operating conditions. They display excellent abrasional resistance and are suited for high moisture applications. A wide range is available, including a fully incinerable version. Also available with Intersept® biostatic preservative.



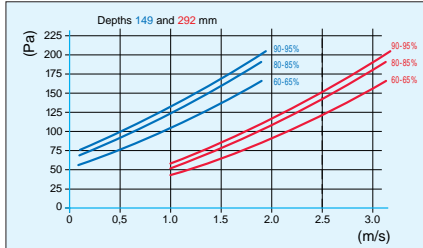
DriPak Composite

DriPak Composite owe their excellent filtration performance to their multilayer media design, consisting of three layers of glass and synthetic fibres or all synthetic fibres. These filters are strong, durable and suitable for use in heavy duty applications.



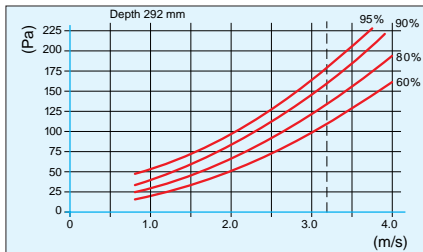
	DriPak 25	DriPak GF				DriPak 2000				DriPak Comp.	
Type (No. x pockets x pocket length)	6 x 12"/24"	6 x 25"	8 x 25"	8 x 25"	9 x 27"	6 x 25"	8 x 25"	8 x 25"	9 x 27"	6 x 25"	6 x 25"
Pocket Depth (mm)	305/600	635	635	635	635	635	635	635	700	635	635
EN 779 Class	G4	F5	F6	F7	F8	F5	F6	F7	F8	F7	F8
Efficiency (%)	25-30	50-55	60-65	80-85	90-95	50-55	60-65	80-85	90-95	80-85	90-95
Max. Temperature (°C)	80	80	80	80	80	65	65	65	65	95	95
Initial resistance (Pa)	65	50	60	115	170	50	60	85	165	195	280
Final resistance (Pa)	450	450	450	450	450	450	450	450	450	650	650
Rated face velocity (m/s)	3.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.2	3.2
Spec Sheet (no.)	545	543	543	543	543	542	542	542	542	544	544

Compact Filters



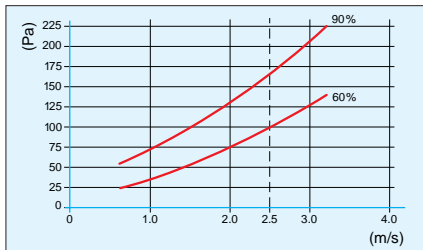
VariCel AM

VariCel AM features a fire retardant, water resistant glass fibre media with a galvanized steel frame. Aluminium separators are used to provide a smooth airflow through the media. The filter is suitable for heavy duty applications. Also available in high temperature (HT) executions.



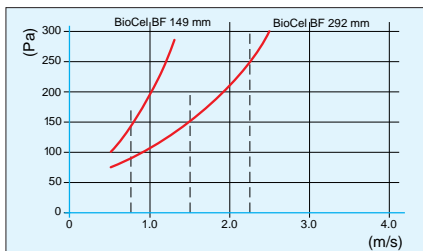
VariCel V

This filter is made of non-corrosive materials and features a fire retardant, water resistant glass fibre media with thermoplastic separators, housed in a sturdy polystyrene frame. The filter is light, easy-to-install and fully incinerable. Also available with Intersept® biostatic preservative.



VariCel II

Compact, light and easy to install is an appropriate way to describe this high efficiency extended surface mini-pleat filter. Featuring the AAF Slim Line Design™ concept, this filter is ideal for installations in which space is limited. Also available with Intersept® biostatic preservative and with a metal header. (VariCel II MH).



BioCel BF

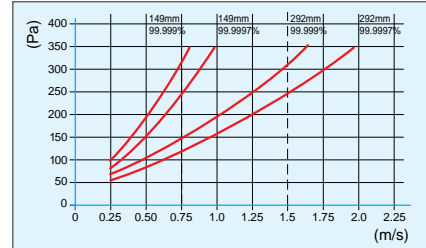
BioCel BF features a fire retardant, water resistant glass fibre media and is designed to filter fine particulate matter. It has a galvanized steel frame with aluminium separators. The filter is suitable for heavy duty applications.

	VariCel AM			VariCel V				VariCel II		BioCel BF
Type	6	9	10	V6-6	V6-9	V6-10	V6-11	V-II	V-II	BF
Depth (mm)	149/292	149/292	149/292	292	292	292	292	97	97	292
EN 779 / EN 1822	F6	F7	F8	F6	F7	F8	F9	F6	F8	H10
Efficiency (%)	60-65	80-85	90-95	60-65	80-85	90-95	>95	60	90	> 85
Max. Temperature (°C)	150	150	150	70	70	70	70	65	65	150
Initial resistance (Pa)	120	140	150	110	125	155	180	100	165	250
Final resistance (Pa)	350	350	350	600	600	600	600	450	450	350
Rated face velocity (m/s)	1.25/2.5	1.25/2.5	1.25/2.5	3.2	3.2	3.2	3.2	2.5	2.5	2.25
Spec Sheet (no.)	598	598	598	8	8	8	8	599	599	9

HEPA and ULPA Filters

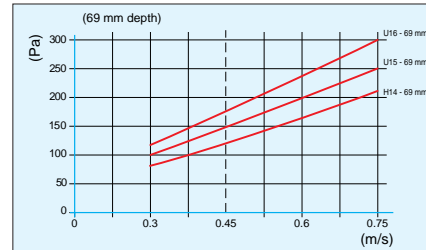
AstroCel I

This filter is designed for use in hospitals, pharmaceutical, microelectronic and food processing applications. It has a pleated media pack, aluminium separators and cell sides of MDF or metal. Also available in a high capacity and high temperature execution and with Intersept® biostatic preservative.



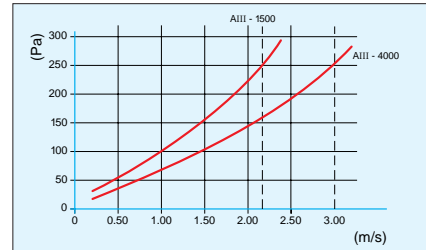
AstroCel II and TM

These unique filters are designed for use in cleanrooms and cleanbenches. They feature a mini pleated glass fibre media pack and thermoplastic separators in an aluminium housing. AstroCel II is available in Knife Edge, Dry Seal and Fluid Seal executions.



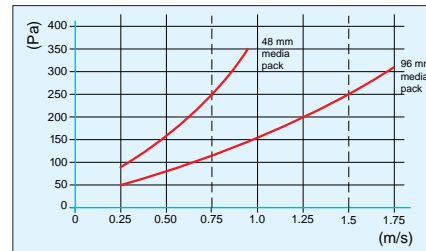
AstroCel III 4000

AstroCel III 4000 is a durable, high efficiency filter for use in a wide range of industrial and HVAC applications. The mini-pleat media packs are arranged in a V-shape and housed in a sturdy, galvanized steel frame. Also available in a high temperature nuclear execution.



AstroPak

AstroPak is distinctive in that it is made of non-corrosive, fully incinerable materials. The mini-pleat glass fibre pack is housed in a MDF frame. Thermoplastic separators ensure uniform spacing between pleats and an optimum airflow through the filter. Also available with metal cell sides.



	AstroCel I		AstroCel II & TM			AstroCel III	AstroPak
Type	I	I-HC	II	II	II	III 4000	AstroPak
Depth (mm)	149/292	292	69/93/117			292	149/292
EN 1822 Class	H13/H14	H12/H13	H14	U15	U16	H12/H13	H13/H4
Efficiency (% @ MPPS)	99.95/99.995	99.5/99.95	99.995	99.995	99.9995	99.99/99.95	99.95/99.995
Efficiency (% @ 0,3)	99.99/99.999	99.99/99.999	99.999	99.995	99.9995	99.99/99.997	99.99/99.997
Max. Temperature (°C)	90	90	70	70	70	70	70
Final Resistance (Pa)	750	750	500	500	500	750	500/750
Initial Resistance (Pa)	250/300	300/350	125/95/70	145/110/90	170/140/110	250	250/320
Rated face Velocity (m/s)	1.5	2.25	0.45	0.45	0.45	3.0	1.5
Spec Sheet (no.)	701	721	702/703/732/742			124/129/139	535

AAF Air Filter Selection Guide

		EN 779 Class	
Coarse Filters (G)		G1	Am < 65
	HV2000 (Dry), AmerGlas Standard, ChevroNet, Roll-O-Mat M85, AmerGlas M57, AmerTex R15 & R 17, AmerGlas Blue, MetaNet	G2	65 ≤ Am < 80
	AmerGlas 5700, HV2000 (With Viscosine), ChevroNet, AmerGlas M57, Roll-O-Mat M94, AmerTex R29, MetaNet with Viscosine, NetPly	G3	80 ≤ Am < 90
Fine Filters (F)	AmAir 100, AmAir 300, AmAir HT, DriPak 25, ChevroNet, NetPly, AmerTex R50	G4	90 ≤ Am
	DriPak GF, DriPak 2000, AmAir 500, AmerTex F, ChevroNet, NetPly	F5	40 ≤ Em < 60
	DriPak GF, DriPak 2000, DriPak Composite, VariCel AM, VariCel V, VariCel II, VariCel II MH with Intersept®	F6	60 ≤ Em < 80
	DriPak GF, DriPak 2000, DriPak Composite, VariCel, VariCel V, FlexPak	F7	80 ≤ Em < 90
	DriPak GF, DriPak 2000, DriPak Composite, VariCel, VariCel V, VariCel II, VariCel II MH with Intersept®	F8	90 ≤ Em < 95
HEPA & ULPA Filters (H & U)	VariCel V	F9	95 ≤ Em
	EN 1822 Class		
		Ē % @ 0.3 μm	Ē % @ MPPS
	BioCel BF, BioCel V	≥ 95	H10 ≥ 85
	BioCel I, BioCel II, BioCel III, BioPak	≥ 98	H11 ≥ 95
	AstroCel III 3400, AstroCel III 4000, AstroCel III 5000	≥ 99.99	H12 ≥ 99.5
	AstroCel I, AstroCel I HC, AstroPak, AstroCel III NG	≥ 99.997	H13 ≥ 99.95
	AstroCel II & TM	≥ 99.999	H14 ≥ 99.995
	AstroCel II & TM	≥ 99.9995	U15 ≥ 99.9995
	AstroCel II & TM / MegaCel	≥ 99.99995	U16 ≥ 99.99995
	AstroCel II & TM	≥ 99.999995	U17 ≥ 99.999995

Note: Am% = Average arrestance for Coarse filters in the classification range G1 - G4.
 Em% = Average efficiency for Fine filters in the classification range F5 - F9.
 Ē % = Mean fractional efficiency for HEPA & ULPA filters in the classification range H10 - U17.
 MPPS = Most Penetrating Particle Size

Intersept®

Intersept® biostatic preservative is available on a number of filters mentioned in this brochure. Filter media treated with Intersept® biostatic preservative is less prone to contamination caused by airborne microorganisms as Intersept® biostatic preservative inhibits the growth of fungi and bacteria on contact, protecting the filter media throughout its service life.

IAQlink®

IAQlink® is a unique air filtration programme designed by AAF to optimize the air cleaning efficiency of an HVAC system for performance and better indoor air quality. The programme covers all factors affecting indoor air quality including filter selection, filter maintenance, filter installation, microbial testing and total system inspection. IAQlink® comprises four steps: Air Filtration Survey, Air Filtration Report, Air Filtration Certification and a Training Programme for maintenance personnel.

About this brochure

The products featured in this brochure are a selection from the AAF product range. Many other products including air filter frames, housings and other filters such as activated carbon filters, high temperature air filters for automotive applications and filter fan units and terminal hoods for cleanroom and cleanbench applications are available. The data published is for standard products. Other sizes and specifications are available on request. For more information contact your local AAF office or representative.

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AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

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