FILTER MATERIALS

In cooperation with the best filter experts on the market we have choosen the following filter types to be part of our assortment:

Filters are approved according to two international acknowlegded tests:

BIA: Application category after BIA-test method

DIN: Dust class according to DIN EN 60335-2-69 supplement AA

Type	Filter material	Suitability	Cleaning	Washable*	Oil/Water repellent	Antistatic	BIA	DIN
G100 Bag filter	Cotton	Wood dust, chips	None	Y			-	-
G101 Filter cartridge	100% polyester flake Min. -25°C - Max. +60°C Start △Pa: 50 End △Pa: 2000	Dry dust particles: cast, wood	Roto	Y			C	M
G102 Filter cartridge	100% polyester flake Min. -25°C - Max. +60°C Start △Pa: 50 End △Pa: 2000	For finer particles	Compressed-air**	Y			C	M
G104A Filter catridge	Polyester/glass fibre Min. -25°C - Max. +60°C Start △Pa: 100 End △Pa: 2000	Especially for oil mist	Ingen	N			-	-
G105 Filter cartridge	Cellulose/polyester Min. -25°C - Max. +60°C Start △Pa: 50 End △Pa: 2000	Flame resistant: for plasma, laser and welding smoke	Compressed-air**	N			C	M
G107 Filter cartridge	85% cellulose/15% polyester with laminated NANO-fibers Min. -25°C - Max. +60°C Start △Pa: 50 End △Pa: 2000	For smoke particles such as plasma, laser and welding smoke	Compressed-air**	N			C	M
G113 Filter cartridge	100% polyester flake with PTFE coating, antistatic Min. -25°C - Max. +60°C Start △Pa: 50 End △Pa: 2000	For finer particles	Roto/Compressed-air**	Y		X	C	M
G115A Filter cartridge	100% polyester flake with teflon membrane Min. -25°C - Max. +60°C Start △Pa: 200 End △Pa: 3000	For very small particles: welding smoke, graphite and copper dust and titan. May not be used for oily air.	Compressed-air**	Y			C	M
G116A Filter cartridge	100% polyester flake with teflon membrane, antistatic Min. -25°C - Max. +60°C Start △Pa: 200 End △Pa: 3000	For very small particles that are static charged, possibly greasy. May not be used for oily air.	Compressed-air**	Y		X	C	M

** Only natural soaps are to be used (no sulphonic soap). For further information, see instructions.*
*** Cartridges for compressed air can be delivered to 110°C against additional payment.*

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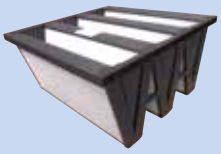
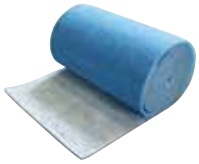
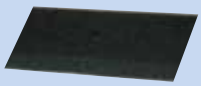
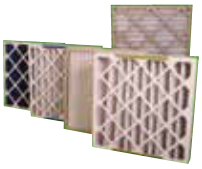
Picture	Filter type	Filter material	Suitability	Standard size	Disposable	Washable	Test/classification
	Absolute filter (HS-Mikro SF High efficiency particular air filter (H.E.P.A.))	Micro filter. Glass fibre in wooden box Max. 65°C Start △ Pa: 250 End △ Pa: 400	Efficient filter for separation of smog, oil smoke, tabac smoke, coal smoke, metallurgic dust, virus and bacteria	See price list	X		H13 (99,97-99,9995%) EN 1822
	Absolute filter (HS-Mikro SFV High efficiency particular air filter (H.E.P.A.))	Micro filter. Glass fibre in metal frame. Max. 65°C Start △ Pa: 250 End △ Pa: 400	Efficient filter for separation of virus, germs, toxic dust, aerosols etc.	610x610x295mm	X		H13 (99,95%) EN 1822
	Compact filter	Syntetic filter mounted in plastic frame Max. 65°C Start △ Pa: 140-175 End △ Pa: 600 Max. air volume: 5,000 m³/h	For dry dust in smaller quantities	592x592x290mm	X		ISO 16890 ePM1 85% EN 779 F9 (80-95%)
	Compact filter	Syntetic/polypropylene filter with burst protection grid on clean air side mounted in plastic frame Max. 65°C Start △ Pa: 140-175 End △ Pa: 600 Max. air volume: 5,000 m³/h	For oil mist	592x592x290mm	X		ISO 16890 ePM1 85% EN 779 F9 (80-95%)
	Pre-filter G4	Syntetic fibre mat Max. 120°C Start △ Pa: 25 End △ Pa: 250 Max. air volume per m²: 5,400 m³/h	Coarse pre-filter in front of finer filters	1x20m Thickness: 18mm	X		ISO 16890 Coarse 45% EN 779 G4 (90%)
	Pore filter 35	Open-celled polyurethane foam Max. 110°C Start △ Pa: 50 End △ Pa: 450	Coarse pre-filter good for fluids	1x2m		X	-
	Z-line filter	Filter cell Max. 70°C Start △ Pa: 70 End △ Pa: 400 Max. air volume: 2,400 m³/h		495x495x50mm	X		ISO 16890 Coarse 85% EN 779 G4 (90%) M5 (40%)

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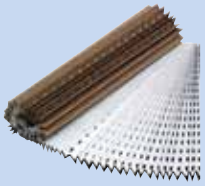
Picture	Filter type	Filter material	Suitability	Standard size	Disposable	Washable	Test/classification
	Paint stop filter	Glass fibre material with elasticity with increasing density Max. 45°C Start △ Pa: 60 End △ Pa: 200 Max. air volume per m²: 4,000 m³/h	For paint dust in painting cabines	1x20m Thickness: 50mm	X		Material can store up to 3500g paint residue per m² filter area. EN 779 G3 (80%)
	Andreae filter	Labyrinth filter of 2 layer carton with strong front Max. 50°C Start △ Pa: 30 End △ Pa: 130 Max. air volume: 2,700 m³/m²/h	For spray cabines and floor extraction, where steam is extracted and particles are filtered	0.9x8.35m	X		DIN 4102-1/B2 norm (91-98.1%) (ASHRAE-test)
	Special filter for oil mist	Grease filter In galvanized frame With pore filter PPi35	For oil, grease or sparks	495x495x50mm		X	-
	Activated carbon filter	Filter in wood or steel frame. Coal is exchangeable Max. 60°C Start △ Pa: 150 End △ Pa: 150	Smell and gas are removed	See price list. Special sizes made by request	X		-

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