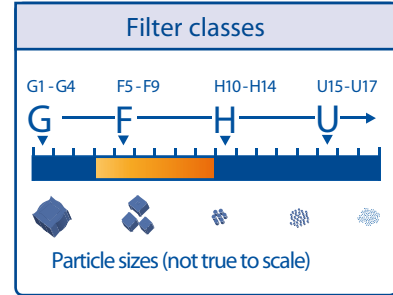




Pocket filter Biostat



Applications

- For the supply air and circulating air filtration in air conditioning plants like offices and production plants
- Requirements with high hygienic demands
- Requirements to fulfil VDI 6022
- For high humidity and demanding environmental requirements

Classification acc. to EN 779

- Filter class **G4 (EU4)** - white version
- Filter class **F5 (EU5)** - brown / white version
- Filter class **F6 (EU6)** - green version
- Filter class **F7 (EU7)** - pink version
- Filter class **F8 (EU8)** - yellow version
- Filter class **F9 (EU9)** - white version



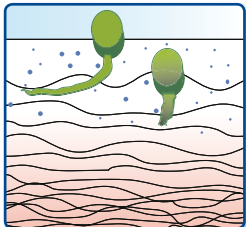
Versions

- Standard sizes welded
- Special sizes on request
- Frame types:
Plastic frame (25mm),
Metal frame (20 or 25mm)
- Filters with plastic frame are fully incinerable
- Optional with foamed hygiene-gasket
- "Pocket-Fitting" for filter class F5-F9

Material characteristics

- Tested according to EN 779
- Shatter-proof synthetic fibres, environmentally safe
- Fire prevention requirements according to DIN 53438 (F1)
- Humidity resistant up to 100% r. h.
- Temperature resistant up to max. 80°C depending on type of frame
- Higher density and pressure load due to endless pockets and their edge welding

Benefits of VOLZ Filters



Biostat® equipment

- The active ingredient is located within synthetic fibres and is no biocide
- The active ingredient prevents growth of bacteria during complete product life of the filter
- The active ingredient is safe for appliance and is not released by the filters



Efficiency and sustainability certificate

- Efficiency tested during a 12 months testing period
- Certificate shows biostatic efficiency and sustainability according to DAB
- Certification through ATW-IVENSYS GmbH and SAS Hagemann GmbH



No growth of bacteria

- Bacteria, mildew, barn and fungus are prevented from growing and spreading - risk of filter being a source of contamination is reduced



- Filter media and all components are produced in our plant in Germany
- Quality control of the complete production with internal filter test equipment and modern quality-management-tools
- Öko-Tex Standard 100 - tested for harmful substances

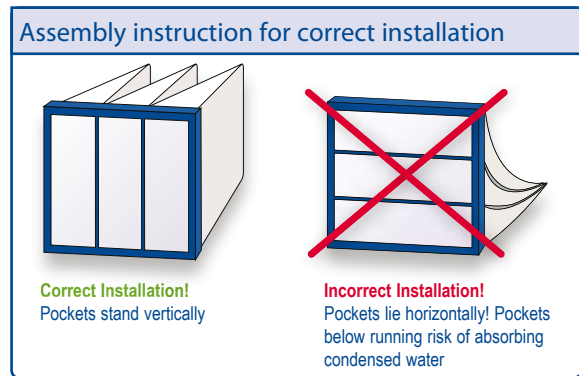
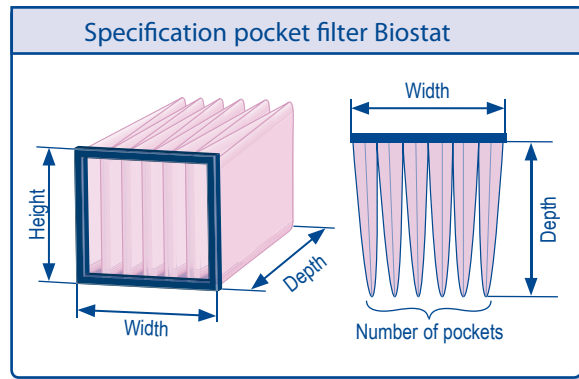
Standard versions Biostat																	
Width x Height		Depth	Number of pockets	Filter area	Pocket-Fitting ^{*3}	Width x Height		Depth	Number of pockets	Filter area	Pocket-Fitting ^{*3}	Width x Height		Depth	Number of pockets	Filter area	Pocket-Fitting ^{*3}
		mm		m ²				mm		m ²				mm		m ²	
G4 - F5 (Polyester)																	
592 x 592 mm ^{*1}	360	4	2.1	-	592 x 490 mm ^{*2}	360	4	1.7	-	592 x 287 mm ^{*2}	360	4	1.1	-			
		6	2.7	-			8	3.2	-			6	1.4	-			
	500	4	2.8	-		500	4	2.4	-		500	4	1.5	-			
		6	3.9	-		8	4.4	-	6		2.0	-					
	600	4	3.3	-		600	4	2.8	-		600	4	1.8	-			
		6	4.5	-		8	5.2	-	6		2.2	-					
490 x 592 mm ^{*1}	360	4	2.0	-	287 x 592 mm ^{*1}	360	2	1.0	-	287 x 287 mm ^{*2}	360	2	0.5	-			
		5	2.3	-			4	1.9	-			3	0.7	-			
	500	4	2.7	-		500	2	1.4	-		500	2	0.7	-			
		5	3.2	-		4	2.6	-	3		1.0	-					
	600	4	3.2	-		600	2	1.7	-		600	2	0.9	-			
		5	3.8	-		4	3.1	-	3		1.1	-					
F5 - F9 (Meltblown)																	
592 x 592 mm ^{*1}	360	6	2.9	X	592 x 490 mm ^{*2}	360	6	2.5	-	592 x 287 mm ^{*2}	360	6	1.5	-			
		8	3.9	X			8	3.2	-			8	2.0	-			
		10	4.8	X			10	4.2	-			10	2.1	-			
	380	12	5.7	X		12	5.0	-	10		2.5	-					
		500	6	4.1		X	500	6	3.4		-	500	6	2.1	-		
			8	5.4		X	8	4.4	-		8	2.7	-				
	535	10	6.5	X		535	10	5.8	-		535	8	2.9	-			
		12	7.8	X		12	6.9	-	10		3.5	-					
		600	6	4.8		X	600	6	4.0		-	600	6	2.5	-		
	8		6.5	X		8	5.2	-	8		3.2	-					
	635	10	7.6	X		635	10	6.8	-		635	8	3.4	-			
		12	9.1	X		12	8.1	-	10		4.1	-					
490 x 592 mm ^{*1}		360	5	2.5	X	287 x 592 mm ^{*1}	360	3	1.5	X	287 x 287 mm ^{*2}	360	3	0.8	-		
	6		2.9	X	4			2.0	X	4			1.0	-			
	380	8	3.8	X	380		5	2.4	X	380		5	1.3	-			
		10	4.8	X	6		2.9	X	6	1.5		-					
	500	5	3.4	X	500		3	2.0	X	500		3	1.0	-			
		6	4.1	X	4		2.7	X	4	1.3		-					
	535	8	5.2	X	535		5	3.2	X	535		5	1.7	-			
		10	6.5	X	6		3.9	X	6	2.1		-					
	600	5	4.0	X	600		3	2.4	X	600		3	1.2	-			
		6	4.8	X	4		3.2	X	4	1.6		-					
	635	8	6.1	X	635		5	3.8	X	635		5	2.0	-			
		10	7.6	X	6		4.6	X	6	2.4		-					

- Pocket filters with plastic frame must be used holohedral incumbent
- Special sizes and special depths available on request

^{*1} Standard sizes welded

^{*2} Special sizes stitched

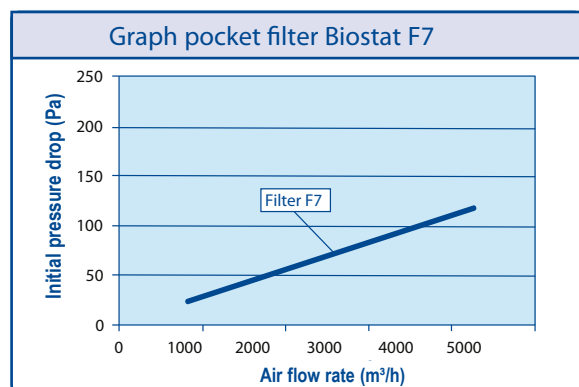
^{*3} Optional with cover sticks against surcharge



Pocket filter Biostat; F7 (EU7)

592 x 592 x 600; 8 pockets

Initial pressure drop (Pa)	95	Average arrestance (%)	-
Recommended final pressure drop (Pa)	450	Average efficiency (0.4µm)	80 - 90
Nominal air flow rate (m³/h)	3400	Filter area (m²)	6.5



VOLZ Luftfilter GmbH & Co. KG

Robert-Bosch-Straße 25 Phone: +49-(0)7451-5516-0 info@volzfilters.com
 D-72160 Horb am Neckar Fax: +49-(0)7451-5516-120 www.danfilter.dk

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