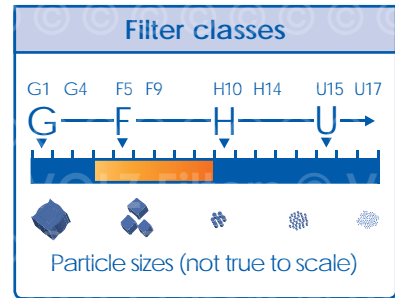




Pocket filter Biostat



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 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 

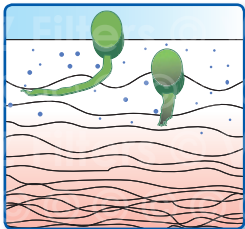
Versions

- 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 (not F5 white)

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



Biostatic 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 Hagmann GmbH



No growth of bacteria

- Bacteria, mildew, mold 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 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

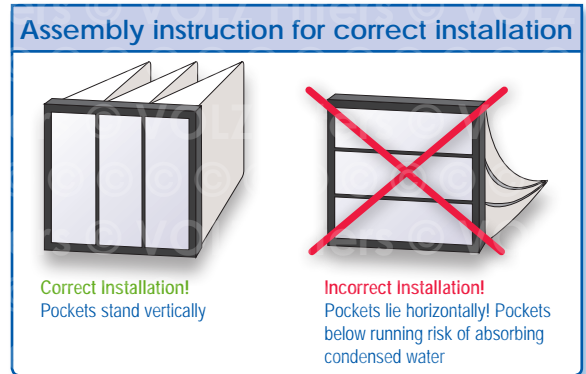
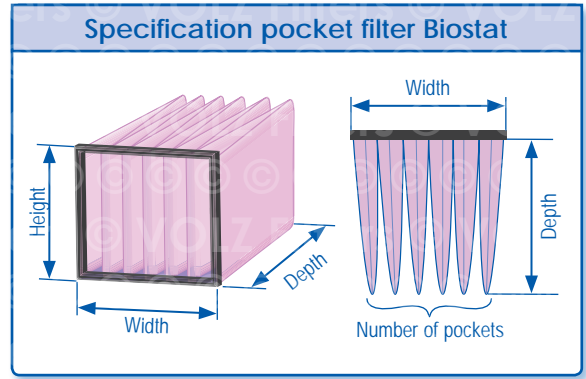
Standard versions Biostat F5 - F9																
Width x Height		Number of pockets		Filter area		Pocket-Fitting *3		Width x Height		Number of pockets		Filter area		Pocket-Fitting *3		
mm	mm			m ²				mm	mm			m ²				
F5 (Polyester)																
592 x 592 mm *1	360	4	2.1	-	592 x 490 mm *2	360	4	1.7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

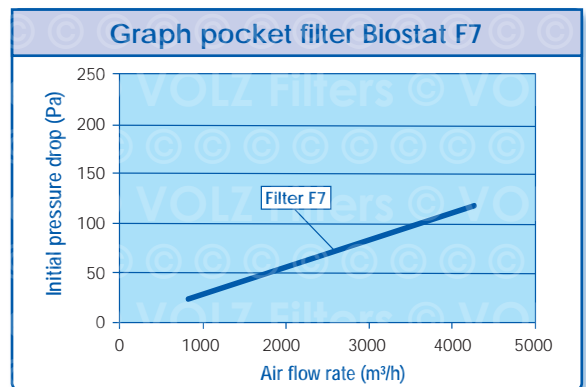
*1 Standard sizes welded

*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



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