

Pocket filters synthetik G3 – F5 (thermic welded)

Applications
For the filtration in aerial engineering plants and devices of all kinds
<input type="checkbox"/> air conditioning systems in offices, department stores, schools, laboratory, etc.
<input type="checkbox"/> prefilter for fine filters
<input type="checkbox"/> prefilter in paint-booth-systems

Filter class EN779
filter class G3 (EU3)
filter class G4 (EU4)
filter class F5 (EU5)
G3-F5 is white synthetic medium

Material characteristics
<input type="checkbox"/> tested according to EN779
<input type="checkbox"/> lacquer compatibility according to IPA-testing
<input type="checkbox"/> fire behaviour self extinguishing to DIN 53438, F1
<input type="checkbox"/> humidity resistance up to 100% r. F.
<input type="checkbox"/> temperature resistance up to 80°C

Versions
<input type="checkbox"/> all standard sizes – welded
<input type="checkbox"/> each special size – sewn
<input type="checkbox"/> each size with plastic or metal frames
<input type="checkbox"/> all components as individual parts available
<input type="checkbox"/> optimally with foamed hygiene seal
<input type="checkbox"/> on demand F5 also available in glass fiber medium



High performance filter media

Progressively developed medium from finest, shatterproof polyester fibers, which are health and ecologically harmless.

Standard sizes

The pockets are self-rigidly and leaking-free welded. The arrangement of the welded seams secures the utilization of the whole bag depth and provides for a high dust storage capability and a long service life.

framework execution

Plastic (framework height 25 mm, completely burnable) or from galvanized steel sheet (framework height 20 or 25 mm).

Quality control

Through the continuous examination of current production with two-in-house PALAS test stands a remaining high quality level is ensured during the filter media production.

Compact and durable execution

The welded bags are suitable outstanding for fastidious operating conditions, like variable flow rates or air turbulences.

Hygiene seal

Defective seals at the bay can be removed and be replaced by a hygiene seal at the bag filter.

environment and disposal

Volz pocket filters are fully burnable with polystyrene frameworks which are particularly environmental and disposal friendly. The complete filter unit can be disposed off after use in an incineration plant and saves the cost of special disposal.

Own production

The filtering mediums and all components are produced in own plant.

PRE TF3-5 120303 VE

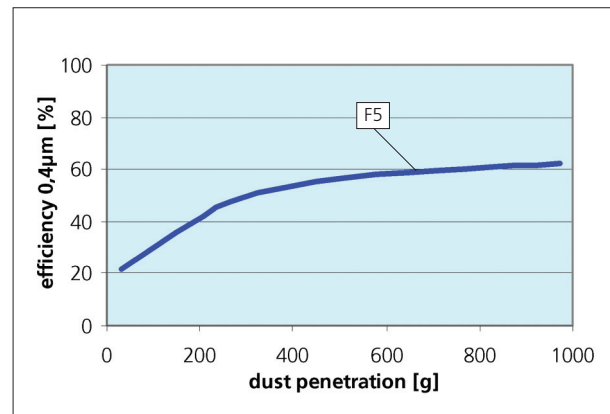
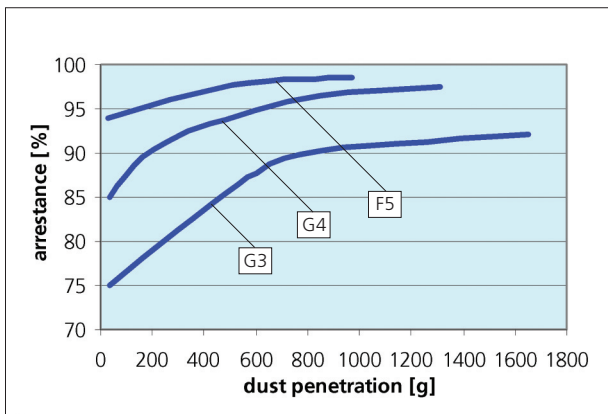
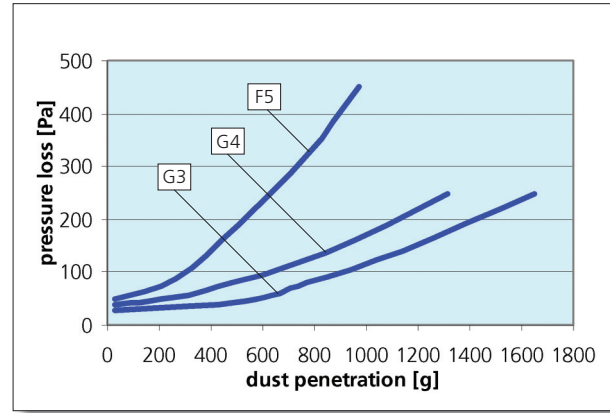
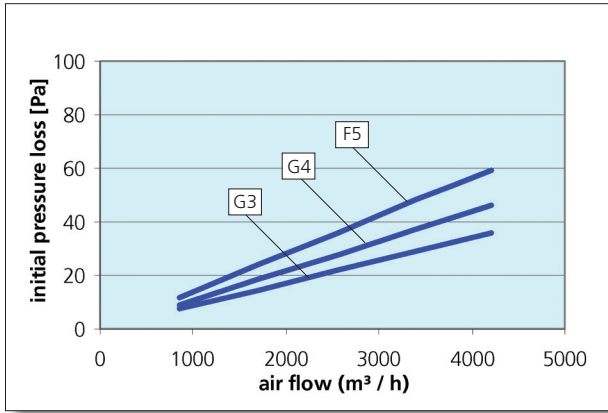
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Filter technical test datas *



breadth	height	number of pockets	filter area	G3 / EU3						G4 / EU4						F5 / EU5						
				rated air flow	initial pressure loss	middle arrestance	middle efficiency 0.4µm	dust holding capacity	final pressure loss	rated air flow	initial pressure loss	middle arrestance	middle efficiency 0.4µm	dust holding capacity	final pressure loss	rated air flow	initial pressure loss	middle arrestance	middle efficiency 0.4µm	dust holding capacity	final pressure loss	
depth: 360 mm																						
592	X	592	6	3,0	3400	46	83	-	1030	250	3400	55	91	-	760	250	3400	72	93	43	560	450
490	X	592	5	2,5	2250	46	83	-	840	250	2250	55	91	-	630	250	2250	72	93	43	450	450
287	X	592	3	1,5	1700	46	83	-	510	250	1700	55	91	-	370	250	1700	72	93	43	270	450
depth: 500 mm																						
592	X	592	6	4,2	3400	36	86	-	1420	250	3400	40	92	-	1070	250	3400	53	94	45	780	450
490	X	592	5	3,5	2250	36	86	-	1150	250	2250	40	92	-	880	250	2250	53	94	45	640	450
287	X	592	3	2,1	1700	36	86	-	700	250	1700	40	92	-	520	250	1700	53	94	45	380	450
depth: 600 mm																						
592	X	592	6	5,1	3400	29	89	-	1750	250	3400	33	93	-	1305	250	3400	43	95	47	955	450
490	X	592	5	4,2	2250	29	89	-	1440	250	2250	33	93	-	1080	250	2250	43	95	47	780	450
287	X	592	3	2,5	1700	29	89	-	870	250	1700	33	93	-	660	250	1700	43	95	47	450	450

Indications:

dimension 592 X 592 X 600 mm,
6 pockets,
effective filter area 4,8 m².

Further standard depth:
200 and 300 mm

Further standard height: 287 mm

All standard dimensions are thermic welded.

* With indicated test datas it gives average values with tolerances due to variations of the production.

For the correct of the datas it will require the express, written confirmation in individual cases by Volz Luftfilter.

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