



Finedust Filter

Type G90



Overview

The G90 family are filters of medium efficiency, both inexpensive and disposable. The filtration media is laminated to a wire grid that creates its efficient radial shape and prevents sagging or collapse, even under difficult conditions.

FEATURES:

- Efficiencies of 30% up to 60% ASHRAE
- Lowest initial pressure drop
- High quality standards due to Quality Assurance System
- Highly economical through high final pressure drop
- Any airflow direction possible making installation easy

Design and Construction

The G90 family of filters are made from die cut frame rigid cardboard, which makes them resistant to humidity and provides them with extra durability when assembled. The grid board supports on each side of the filter are built into the frame. These supports are also attached to each pleat in the frame to ensure stability and consistent spacing of the pleats. The filtration media is glued to the entire frame to prevent any air bypass.

The media consists of a combination of nonwoven cotton and polyester, specifically designed for high dust-loading capacity.



Finedust - HEPA / ULPA

FILT AIR Ltd.

- Fine Dust Filter
- Final Filter for Fan Filter Units
- Final Filter for Clean Rooms
- Final Filter for Channel Installation
- Highly Active Filter Surface - Low Pressure Drop
- Final Filter for Grid Systems

Technical Data G4

Filter Thickness	Model Family	Size Code	Nominal Size [inch]	Actual Size [inch]	Nominal Size [mm]
			L x W x H	L x W x H	L x W x H
2" 10 Pleats per linear foot	35 (30-35)%	35	12 x 20 x 2	11.6 x 19.5 x 1.8	305 x 508 x 51
	35 (30-35)%	44	16 x 16 x 2	15.6 x 15.6 x 1.8	406 x 406 x 51
	35 (30-35)%	45	16 x 20 x 2	15.6 x 19.5 x 1.8	406 x 508 x 51
	35 (30-35)%	55	20 x 20 x 2	19.5 x 19.5 x 1.8	508 x 508 x 51
	35 (30-35)%	FD	25 x 16 x 2	24.6 x 15.6 x 1.8	635 x 406 x 51
	35 (30-35)%	OT	19 x 24 x 2	18.3 x 23.4 x 1.8	480 x 610 x 51
	35 (30-35)%	FE	25 x 20 x 2	24.6 x 19.5 x 1.8	635 x 508 x 51
	35 (30-35)%	36	12 x 24 x 2	11.6 x 23.4 x 1.8	305 x 610 x 51
	35 (30-35)%	46	16 x 24 x 2	15.6 x 23.4 x 1.8	406 x 610 x 51
	35 (30-35)%	56	20 x 24 x 2	19.5 x 23.4 x 1.8	508 x 610 x 51
	35 (30-35)%	66	24 x 24 x 2	23.4 x 23.4 x 1.8	610 x 610 x 51
	35 (30-35)%	FG	25 x 24 x 2	24.6 x 23.4 x 1.8	635 x 610 x 51
	4" 8.3 Pleats per linear foot	35 (30-35)%	35	12 x 20 x 4	11.6 x 19.5 x 3.74
35 (30-35)%		44	16 x 16 x 4	15.6 x 15.6 x 3.74	406 x 406 x 102
35 (30-35)%		45	16 x 20 x 4	15.6 x 19.5 x 3.74	406 x 508 x 102
35 (30-35)%		55	20 x 20 x 4	19.5 x 19.5 x 3.74	508 x 508 x 102
35 (30-35)%		FD	25 x 16 x 4	24.6 x 15.6 x 3.74	635 x 406 x 102
35 (30-35)%		FE	25 x 20 x 4	24.6 x 19.5 x 3.74	635 x 508 x 102
35 (30-35)%		36	12 x 24 x 4	11.6 x 23.4 x 3.74	305 x 610 x 102
35 (30-35)%		46	16 x 24 x 4	15.6 x 23.4 x 3.74	406 x 610 x 102
35 (30-35)%		56	20 x 24 x 4	19.5 x 23.4 x 3.74	508 x 610 x 102
35 (30-35)%		66	24 x 24 x 4	23.4 x 23.4 x 3.74	610 x 610 x 102
35 (30-35)%		FG	25 x 24 x 4	24.6 x 23.4 x 3.74	635 x 610 x 102

AVAILABLE STANDARDS:

- High quality standard due to Quality Assurance System
- ISO 9001:2015

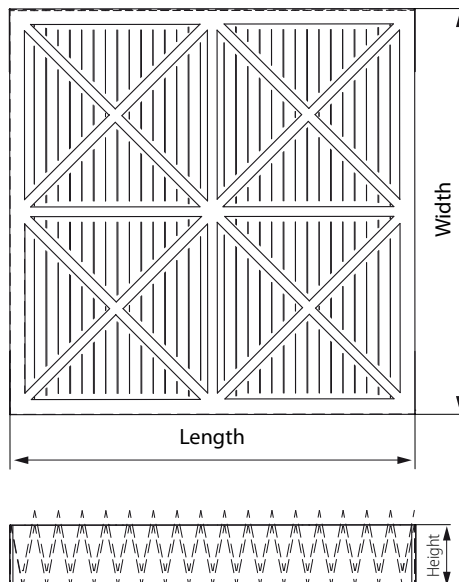
Actual Size [mm]					Airflow [m ³ /h]		Pressure Drop [Pa]		Media Area [m ²]
L x W x H					Med.	High	Med.	High	
295	x	495	x	45	789	1367	37	72	0.5
395	x	395	x	45	843	1460	37	72	0.6
395	x	495	x	45	1056	1830	37	72	0.7
495	x	495	x	45	1323	2293	37	72	0.9
625	x	395	x	45	1333	2311	37	72	0.9
465	x	595	x	45	1494	2590	37	72	1.1
625	x	495	x	45	1671	2896	37	72	1.1
295	x	595	x	45	948	1643	37	72	0.6
395	x	595	x	45	1269	2200	37	72	0.9
495	x	595	x	45	1590	2757	37	72	1.1
595	x	595	x	45	1912	3314	37	72	1.3
625	x	595	x	45	2008	3481	37	72	1.3
295	x	495	x	95	789	1362	22	40	1.0
395	x	395	x	95	843	1460	22	40	1.0
395	x	495	x	95	1056	1830	22	40	1.3
495	x	495	x	95	1323	2293	22	40	1.6
625	x	395	x	95	1333	2311	22	40	1.6
625	x	495	x	95	1671	2896	22	40	2.0
295	x	595	x	95	948	1643	22	40	1.2
395	x	595	x	95	1269	2200	22	40	1.5
495	x	595	x	95	1590	2757	22	40	1.9
595	x	595	x	95	1912	3314	22	40	2.3
625	x	595	x	95	2008	3481	22	40	2.4

Technical Data M6

Filter Thickness	Model Family	Size Code	Nominal Size [inch]	Actual Size [inch]	Nominal Size [mm]
			L x W x H	L x W x H	L x W x H
2" - 10 Pleats per linear foot	60 (55-60)%	55	20 x 20 x 2	19.5 x 19.5 x 1.8	508 x 508 x 51
	60 (55-60)%	36	12 x 24 x 2	11.6 x 23.4 x 1.8	305 x 610 x 51
	60 (55-60)%	46	16 x 24 x 2	15.6 x 23.4 x 1.8	406 x 610 x 51
	60 (55-60)%	56	20 x 24 x 2	19.5 x 23.4 x 1.8	508 x 610 x 51
	60 (55-60)%	66	24 x 24 x 2	23.4 x 23.4 x 1.8	610 x 610 x 51
4" - 8.3 Pleats per linear foot	60 (55-60)%	55	20 x 20 x 4	19.5 x 19.5 x 3.74	508 x 508 x 102
	60 (55-60)%	36	12 x 24 x 4	11.6 x 23.4 x 3.74	305 x 610 x 102
	60 (55-60)%	46	16 x 24 x 4	15.6 x 23.4 x 3.74	406 x 610 x 102
	60 (55-60)%	56	20 x 24 x 4	19.5 x 23.4 x 3.74	508 x 610 x 102
	60 (55-60)%	66	24 x 24 x 4	23.4 x 23.4 x 3.74	610 x 610 x 102

Actual Size [mm]					Airflow [m ³ /h]		Pressure Drop [Pa]		Media Area [m ²]
L x W x H					Med.	High	Med.	High	
495	x	495	x	45	1323	2293	43	82	0.9
295	x	595	x	45	948	1643	43	82	0.8
395	x	595	x	45	1269	2200	43	82	0.85
495	x	595	x	45	1590	2757	43	82	1.08
595	x	595	x	45	1912	3314	43	82	1.3
495	x	495	x	95	1323	2293	25	47	1.6
295	x	595	x	95	948	1643	25	47	1.2
395	x	595	x	95	1269	2200	25	47	1.5
495	x	595	x	95	1590	2757	25	47	1.9
595	x	595	x	95	1912	3314	25	47	2.3

Dimensional Drawing:



Order Numbers

Order no.	G90	A	B	-	C	D	E	F
Example	G90	06	66	-	2	0	0	0

Efficiency	A	Size LxW (actual)	B	Frame Height (actual)	C	Frame	D	Free	E	Free	F
G4	04	12 X 20" (295 X 495 mm)	35	1" (20 mm)	1	Carton	0		0		0
M6	06	12 X 24" (295 X 595 mm)	36	2" (45 mm)	2	Steel Zinc-coated	1				
		16 x 16" (395 x 395 mm)	44	4" (95 mm)	4						
		16 x 20" (395 x 495 mm)	45								
		16 x 25" (395 x 625 mm)	FD								
		20 x 20" (495 x 495 mm)	55								
		20 x 24" (495 x 595 mm)	56								
		20 x 25" (495 x 625 mm)	FE								
		24 x 24" (595 x 595 mm)	66								
		Other dimensions available upon request									

Specifications are subject to change without prior notice

HEPA & ULPA Filters for Industrial Clean Rooms

FILT AIR Ltd. specializes in the use of advanced technologies to implement a purified air supply for high-tech industry clean rooms, the microelectronics business sectors, and pharmaceutical industries. FILT AIR Ltd. has a broad range of client groups, such as hospitals, industrial plants, commercial buildings, and companies requiring clean air inside gas turbines.

FILT AIR's range of products is designed and produced in order to achieve the highest possible quality and offers safety and reliability with optimum prices and product availability. Since 2001, FILT AIR Ltd. has been registered and certified for Quality Management according to ISO 9001 (Registration No: IQNet: IL-24203).

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