



FİLTRE CLASSIFICATION

Initial Efficiency & Particle Size

Filter Group	Class	0,1 µm	0,3 µm	0,5 µm	1,0 µm	3,0 µm	5,0 µm	10,0 µm
Kaba / Coarse	G1	-	-	-	-	0 - 5	5 - 15	40 - 50
	G2	-	-	-	0 - 5	5 - 15	15 - 35	50 - 70
	G3	-	-	0 - 5	5 - 15	15 - 35	35 - 70	70 - 85
	G4	-	0 - 5	5 - 15	15 - 35	30 - 55	60 - 90	85 - 98
Orta / Medium	M5	0 - 10	5 - 15	15 - 30	30 - 50	70 - 90	90 - 99	>98
	M6	5 - 15	10 - 25	20 - 40	50 - 65	85 - 95	95 - 99	>99
Hassas / Fine	F7	25 - 35	45 - 60	60 - 75	85 - 95	>98	>99	>99
	F8	35 - 45	65 - 75	80 - 90	95 - 98	>99	>99	>99
	F9	45 - 60	75 - 85	90 - 95	>99	>99	>99	>99

EN779:2012 Classification

Filter Group	Class	Final pressure drop (Pa)	Average Arrestance (A _m) of synthetic dust (%)	Average Efficiency (E _m) of 0,4 µm particles (%)	Minimum Efficiency of 0,4 µm particles (%)
Kaba / Coarse	G1	250	50 ≤ A _m < 65	-	-
	G2	250	65 ≤ A _m < 80	-	-
	G3	250	80 ≤ A _m < 90	-	-
	G4	250	90 ≤ A _m	-	-
Orta / Medium	M5	450	-	40 ≤ E _m < 60	-
	M6	450	-	60 ≤ E _m < 80	-
Hassas / Fine	F7	450	-	80 ≤ E _m < 90	35
	F8	450	-	90 ≤ E _m < 95	55
	F9	450	-	95 ≤ E _m	70

Average Arrestance (A_m); Ortalama Yakalama Verimi
Average Efficiency (E_m); 0,4µm'daki Ortalama Verim

Final pressure drop; Son basınç
Minimum Efficiency of 0,4 µm; 0,4µm'daki Minimum Verim

EN1822 Classification

Filter Group	Class	MPPS Integral Values		MPPS Local Values		ISPE Minimum Efficiency (%) @ DOP (0,3 µm)
		Efficiency (%)	Penetration (%)	Efficiency (%)	Penetration (%)	
EPA	E10	85	15	-	-	95
	E11	95	5	-	-	99,9
	E12	99,5	0,5	-	-	99,97
HEPA	H13	99,95	0,05	99,75	0,25	99,99
	H14	99,995	0,005	99,975	0,025	99,999
ULPA	U15	99,9995	0,0005	99,9975	0,0025	-
	U16	99,99995	0,00005	99,99975	0,00025	-
	U17	99,999995	0,000005	99,9999	0,0001	-

MPPS: Most Penetrating Particle Size (En çok nüfuz eden partikül boyutu)

Efficiency: Verimlilik, Penetration: Nüfuz Etme

Cleanroom Classification

ISO 14644 (@0,5µm)	Maximum concentration limits for particles equal to and larger than the considered size shown below (particles/m ³)						Fed Std. 209 E (class) particles/ft ³
	0,1 µm	0,2 µm	0,3 µm	0,5 µm	1,0 µm	5,0 µm	
ISO Class 1	10	2					-
ISO Class 2	100	24	10	4			-
ISO Class 3	1.000	237	102	35	8		1
ISO Class 4	10.000	2.370	1.020	352	83		10
ISO Class 5	100.000	23.700	10.200	3.520	832	29	100
ISO Class 6	1.000.000	237.000	102.000	35.200	8.320	293	1000
ISO Class 7				352.000	83.200	2.930	10000
ISO Class 8				3.520.000	832.000	29.300	100000

Synthetic Fibre Filter Rolls | Filter Mats



TYPE	SF150	SF200	SF270	SF350
Filter Class (EN 779)	G2	G3	G4	G4
Composition	Random-laid, non-woven fabric made of unbreakable synthetic fibre			
Thickness (mm)	10	18	20	22
Weight (g/m2)	150	200	270	350
Nominal Face Velocity (m/s)	1,5	1,5	1,5	1,5
Nominal Air Flow (m3/h.m2)	5400	5400	5400	5400
Initial Pressure Drop	14	35	38	46
Final Pressure Drop (Pa)	250	250	250	250
Average Arrestance (Am)	80	87	91	94
Dust Holding Capacity (g)	517	400	478	562
Temperature Resistance °C	Continuous Temperature up to 100°C and peaks of 120°C			
Flammability (DIN53438)	F1	F1	F1	F1
Roll Dimensions				
Max.Relative Humidity	100%	100%	100%	100%

Polyurethane Washable Filter Pads | Filter Mats



TYPE	POL 10/20	POL 20/6	POL 20/10	POL 20/20	POL 45/10
Filter Class (EN 779)	G2	G2	G2-G3	G2-G3	G3
Composition	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane
Thickness (mm)	20	6	10	20	10
Nominal Face Velocity (m/s)	1,5	1,5	1,5	1,5	0,25
Nominal Air Flow (m3/h.m2)	5400	5400	5400	5400	5400
Initial Pressure Drop	5	5	10	15	20
Final Pressure Drop (Pa)	250	250	250	250	250
Average Arrestance (Am)	75%	75%	77%	78%	80%
Dust Holding Capacity (g)	300	110	220	300	300
Temperature Resistance °C	Continuous Temperature up to 100°C and peaks of 120°C				
Flammability (DIN53438)	F1	F1	F1	F1	F1
Roll Dimensions	1.50 x 2.00 and Cut-to-size				
Max.Relative Humidity	100%	100%	100%	100%	100%

Glass Fibre Filter Rolls | Filter Mats



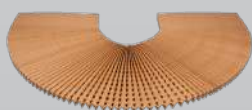
TYPE	2"SFA 500 (50 mm)	4" SFA1000 (100 mm)
Filter Class (EN 779)	G3	G4
Composition	Glass Fibre	Glass Fibre
Thickness (mm)	60	110
Weight (g/m ²)	200	360
Nominal Face Velocity (m/s)	1,5	1,5
Nominal Air Flow (m ³ /h.m ²)	5400	5400
Initial Pressure Drop	20	40
Final Pressure Drop (Pa)	250	250
Average Paint Overspray Arrestance (%)	90-95	95-98
Dust Holding Capacity (g)	3000-5000	10000-15000
Temperature Resistance °C	Continuous Temperature up to 100°C and peaks of 120°C	
Flammability (DIN53438)	F1	F1
Roll Dimensions	all measures	all measures
Max.Relative Humidity	100	100

Ceiling Filter Rolls | Filter Mats



TYPE	SF 600S
Filter Class (EN 779)	F5
Composition	Random-laid, non-woven fabric made of unbreakable synthetic fibre
Thickness (mm)	20
Weight (g/m ²)	570
Nominal Face Velocity (m/s)	0,25
Nominal Air Flow (m ³ /h.m ²)	900
Initial Pressure Drop	27
Final Pressure Drop (Pa)	250
Average Arrestance (Am)	97,1
Dust Holding Capacity (g)	330
Temperature Resistance °C	100°C
Flammability (DIN53438)	F1
Roll Dimensions	2.00 x 20.00
Max.Relative Humidity	100%

Overspray Cardboard Separator Filters | Filter Mats



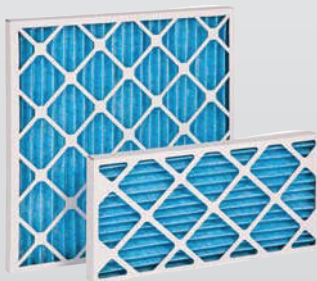
Height	75 cm	90 cm	100 cm
Filter Area m ²	10	10	10
Composition	2 layers of heavy "kraft" paper, punched, pleated and glued		
Recommended Air Velocity	0,25 - 1,0 m/s	0,25 - 1,0 m/s	0,25 - 1,0 m/s
Pressure Drop	0,25 - 8 Pa 0,75 - 30 Pa 0,50 - 20 Pa 1,0 - 40 Pa		
Final Pressure Drop (Pa)	128 (Pa) possible up to 256		
Average Arrestance (Am)	98,1%	98,1%	98,1%
Dust Holding Capacity (g)	18 kg/m ²	18 kg/m ²	18 kg/m ²
Temperature Resistance °C	100 °C	100 °C	100 °C

Extended Surface Metal Frame Pre-Filter | Panel Filter



Technical Data		
Filter Media	Synthetic Fibre	
Frame Material	Galvanized Steel	
Average Gravimetric Efficiency	80-90 %	>90 %
Classification (EN 779:2002)	G3	G4
Eurovent Class	EU3	EU4
Initial Pressure Drop	75	85
Final Pressure Drop	450 Pa	450 Pa
Max. Temperature	100 °C	100 °C
Max. Moisture	100 %	100 %

Extended Surface Cardboard Frame Pre-Filter | Panel Filter



Technical Data	
Filter Media	Synthetic Fibre
Frame Material	Cardboard
Average Gravimetric Efficiency	>90 %
Classification (EN 779:2002)	G4
Eurovent Class	EU4
Initial Pressure Drop	70
Final Pressure Drop	250 Pa
Max. Temperature	100 °C
Max. Moisture	100 %

Product Code	Dimensions (WxHxD)	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)	Weight (Kg)
✓ G3 (EU3) - G4 (EU4)					
Z-KSGZ/287/287/48-G4	287x287x48	0,15	850	60	1,45
Z-KSGZ/400/500/48-G4	400x500x48	0,34	1950	60	0,70
Z-KSGZ/500/500/48-G4	500x500x48	0,42	2450	60	0,80
Z-KSGZ/500/625/48-G4	500x625x48	0,53	3000	60	0,90
Z-KSGZ/287/592/48-G4	287x592x48	0,3	1700	60	0,70
Z-KSGZ/490/592/48-G4	490x592x48	0,49	2820	60	0,85
Z-KSGZ/592/592/48-G4	592x592x48	0,6	3400	60	1,00
Z-KSGZ/287/287/98-G4	287x287x98	0,2	1000	70	1,8
Z-KSGZ/400/500/98-G4	400x500x98	0,48	2400	70	0,88
Z-KSGZ/500/500/98-G4	500x500x98	0,6	3000	70	1,1
Z-KSGZ/500/625/98-G4	500x625x98	0,75	3600	70	1,2
Z-KSGZ/287/592/98-G4	287x592x98	0,4	2100	70	0,9
Z-KSGZ/490/592/98-G4	490x592x98	0,7	3500	70	1,1
Z-KSGZ/592/592/98-G4	592x592x98	0,85	4250	70	1,35

Extended Surface Metal Frame Washable Pre



Technical Data

Filter Media	Polyurethane Foam	
Frame Material	Galvanized Steel	
Average Gravimetric Efficiency	65-80 %	80-90 %
Classification (EN 779:2002)	G2	G3
Eurovent Class	EU3	EU3
Initial Pressure Drop	10-25	30
Final Pressure Drop	450 Pa	450 Pa
Max. Temperature	100 °C	100 °C
Max. Moisture	100 %	100 %

Product Code	Dimensions (WxHxD)	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)	Weight (Kg)
POL 20/10 - POL 45/10					
Z-KPGZ/287/287/48-G2-G3	287x287x48	0,25	850	25	2
Z-KPGZ/400/500/48-G2-G3	400x500x48	0,6	1950	25	3,4
Z-KPGZ/500/500/48-G2-G3	500x500x48	0,8	2450	25	3,9
Z-KPGZ/500/625/48-G2-G3	500x625x48	1	3000	25	4
Z-KPGZ/287/592/48-G2-G3	287x592x48	0,5	1700	25	3,2
Z-KPGZ/490/592/48-G2-G3	490x592x48	0,9	2820	25	3,9
Z-KPGZ/592/592/48-G2-G3	592x592x48	1,1	3400	25	4,5

Straight Surface Metal Frame Pre-filter | Panel Filter



Technical Data

Filter Media	Synthetic Fibre	
Frame Material	Galvanized Steel	
Average Gravimetric Efficiency	65-80 %	80-90 %
Classification (EN 779:2002)	G2	G3
Eurovent Class	EU2	EU3
Initial Pressure Drop	20-35	40
Final Pressure Drop	250 Pa	250 Pa
Max. Temperature	100 °C	100 °C
Max. Moisture	100 %	100 %

Product Code	Dimensions (WxHxD)	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)	Weight (Kg)
POL					
Z-KPGD/202/400/10-G2	202x400x10	0,08	785	20	0,3
Z-KPGD/202/500/10-G2	202x500x10	0,10	980	20	0,3
Z-KPGD/202/700/10-G2	202x700x10	0,14	1375	20	0,35
Z-KPGD/202/900/10-G2	202x900x10	0,18	1760	20	0,38

SNC					
Z-KSGD/202/400/10-G2	202x400x10	0,08	785	40	0,3
Z-KSGD/202/500/10-G2	202x500x10	0,10	980	40	0,3
Z-KSGD/202/700/10-G2	202x700x10	0,14	1375	40	0,35
Z-KSGD/202/900/10-G2	202x900x10	0,18	1760	40	0,38

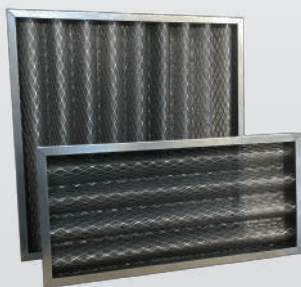
Metal Frame Metal Mesh Kitchen Hood Filter | Panel Filter



Technical Data

Filter Media	Aluminium	
Frame Material	Galvanized Steel	
Average Gravimetric Efficiency	65-80 %	80-90 %
Classification (EN 779:2002)	G2	G3
Eurovent Class	EU2	EU3
Initial Pressure Drop	10-25	30
Final Pressure Drop	450 Pa	450 Pa
Max. Temperature	100 °C	100 °C
Max. Moisture	100 %	100 %

Metal Frame Metal Mesh Kitchen Hood Filter | Panel Filter



Technical Data

Filter Media	Aluminium	
Frame Material	Galvanized Steel	
Average Gravimetric Efficiency	65-80 %	80-90 %
Classification (EN 779:2002)	G2	G3
Eurovent Class	EU2	EU3
Initial Pressure Drop	10-25	30
Final Pressure Drop	450 Pa	450 Pa
Max. Temperature	100 °C	100 °C
Max. Moisture	100 %	100 %

Product Code	Dimensions (WxHxD)	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)	Weight (Kg)
24-G2					
Z-MKAZ/287/287/24-G2	287x287x24	0,2	600	20	1,4
Z-MKAZ/400/500/24-G2	400x500x24	0,45	1440	20	1,92
Z-MKAZ/500/500/24-G2	500x500x24	0,55	1800	20	2,25
Z-MKAZ/500/625/24-G2	500x625x24	0,7	2250	20	2,65
Z-MKAZ/287/592/24-G2	287x592x24	0,42	1225	20	1,95
Z-MKAZ/490/592/24-G2	490x592x24	0,65	2090	20	2,45
Z-MKAZ/592/592/24-G2	592x592x24	0,8	2525	20	2,8
48-G2-G3					
Z-MKGZ/287/287/48-G2-G3	287x287x48	0,29	600	25	2
Z-MKGZ/400/500/48-G2-G3	400x500x48	0,65	1440	25	3,4
Z-MKGZ/500/500/48-G2-G3	500x500x48	0,85	1800	25	3,9
Z-MKGZ/500/625/48-G2-G3	500x625x48	0,1	2250	25	4
Z-MKGZ/287/592/48-G2-G3	287x592x48	0,6	1225	25	3,2
Z-MKGZ/490/592/48-G2-G3	490x592x48	0,98	2090	25	3,9
Z-MKGZ/592/592/48-G2-G3	592x592x48	1,2	2525	25	4,5

Metal Frame Coarse Dust Pocket Filter | Bag Filter



Technical Data		
Filter Media	Synthetic Fibre	
Frame Material	Galvanized Steel	
Average Gravimetric Efficiency	80-90 %	90 %
Classification (EN 779:2002)	G3	G4
Eurovent Class	EU3	EU4
Initial Pressure Drop	35	40
Final Pressure Drop	250 Pa	250 Pa
Max. Temperature	100 °C	100 °C
Max. Moisture	100 %	100 %

Metal Frame Fine Dust Pocket Filter | Bag Filter



Technical Data		
Filter Media	Synthetic Fibre	
Frame Material	Galvanized Steel	
Average Gravimetric Efficiency	40-60 %	60-80 %
Classification (EN 779:2002)	F5	F6
Eurovent Class	EU5	EU6
Initial Pressure Drop	60	80
Final Pressure Drop	450 Pa	
Max. Temperature	80 °C	
Max. Moisture	100 %	

Product Code	Dimensions (WxHxD)	Bags	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)	Weight (Kg)
▼ G3-G4						
Z-TF/GS3-287/592/360-G3-G4	287x592x360	3	1,3	1700	45	1,1
Z-TF/GS5-490/592/360-G3-G4	490x592x360	5	2,2	2800	45	1,7
Z-TF/GS6-592/592/360-G3-G4	592x592x360	6	2,6	3400	45	2
▼ F5						
Z-TF/287/592/380-F5	287x592x380	3	1,5	1125	40	1,3
Z-TF/287/592/380-F5	490x592x380	5	2,4	2100	40	1,8
Z-TF/287/592/380-F5	592x592x380	6	2,9	2250	40	2,1
Z-TF/287/592/500-F5	287x592x600	3	2,3	1700	50	2,4
Z-TF/287/592/500-F5	490x592x600	5	3,9	2800	50	2
Z-TF/287/592/500-F5	592x592x600	6	4,8	3400	50	1,4
▼ F6						
Z-TF/287/592/535-F6	287x592x535	4	2,8	1125	50	1,2
Z-TF/490/592/535-F6	490x592x535	6	4,4	1870	50	1,8
Z-TF/592/592/535-F6	592x592x535	8	5,8	2250	50	2,4
Z-TF/287/592/635-F6	287x592x635	4	3,4	1700	65	1,3
Z-TF/490/592/635-F6	490x592x635	6	5,1	2800	65	1,9
Z-TF/592/592/635-F6	592x592x635	8	7,2	3400	65	2,6

Metal Frame Fine Dust Pocket Filter | Bag Filter



Technical Data

Filter Media	Synthetic Fibre
Frame Material	Galvanized Steel
Average Gravimetric Efficiency	80-90 %
Classification (EN 779:2002)	F7
Eurovent Class	EU7
Initial Pressure Drop	125
Final Pressure Drop	450 Pa
Max. Temperature	80 °C
Max. Moisture	100 %

Metal Frame Fine Dust Pocket Filter | Bag Filter



Technical Data

Filter Media	Synthetic Fibre
Frame Material	Galvanized Steel
Average Gravimetric Efficiency	90-95 % >95 %
Classification (EN 779:2002)	F8 F8
Eurovent Class	EU8 EU8
Initial Pressure Drop	125 135
Final Pressure Drop	450 Pa
Max. Temperature	80 °C
Max. Moisture	100 %

Product Code	Dimensions (WxHxD)	Bags	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)	Weight (Kg)
▼ F7						
Z-TF/287/592/535-F7	287x592x535	4	2,9	1125	70	1,2
Z-TF/490/592/535-F7	490x592x535	6	4,4	1870	70	1,8
Z-TF/592/592/535-F7	592x592x535	8	5,8	2250	70	2,4
Z-TF/287/592/635-F7	287x592x635	4	3,4	1700	85	1,3
Z-TF/490/592/635-F7	490x592x635	6	5,1	2800	85	1,9
Z-TF/592/592/635-F7	592x592x635	8	7,2	3400	85	2,6
▼ F8-F9						
Z-TF/287/592/535-F8-F9	287x592x535	4	2,9	1125	85	1,2
Z-TF/490/592/535-F8-F9	490x592x535	6	4,4	1870	85	1,8
Z-TF/592/592/535-F8-F9	592x592x535	8	5,8	2250	85	2,4
Z-TF/287/592/635-F8-F9	287x592x635	4	3,4	1700	95	1,3
Z-TF/490/592/635-F8-F9	490x592x635	6	5,1	2800	95	1,9
Z-TF/592/592/635-F8-F9	592x592x635	8	7,2	3400	95	2,6

Plastic Frame Fine Dust Compact Filter | EPA



Technical Data

Filter Media	Micro Glass Fibre Paper			
Frame Material	Plastic / Aluminum			
Average Gravimetric Efficiency	40-60 %	60-80 %	80-90 %	90-95 %
Classification (EN 779:2002)	F6	F7	F8	F9
Eurovent Class	EU6	EU7	EU8	EU9
Initial Pressure Drop	90	120	150	170
Final Pressure Drop	600 Pa			
Max. Temperature	100 °C			
Max. Moisture	100 %			

Product Code	Dimensions (WxHxD)	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)	
100-F6-F7-F8-F9					
Z-RKF/287/592/100	287x592x130	6	1700	90	3
Z-RKF/490/592/100	490x59x130	10,5	2850	90	4
Z-RKF/592/592/100	592x59x130	13,5	3400	90	5
150-F6-F7-F8-F9					
Z-RKF/287/592/150	287x592x130	6	1700	160	3
Z-RKF/490/592/150	490x592x130	10,5	2850	160	4
Z-RKF/592/592/150	592x592x130	13,5	3400	160	5

Plastic Frame Fine Dust V Compact Filter | EPA



Technical Data

Filter Media	Micro Glass Fibre Paper			
Frame Material	Plastic			
Average Gravimetric Efficiency	40-60 %	60-80 %	80-90 %	90-95 %
Classification (EN 779:2002)	F6	F7	F8	F9
Eurovent Class	EU6	EU7	EU8	EU9
Initial Pressure Drop	100	115	125	155
Final Pressure Drop	600 Pa			
Max. Temperature	100 °C			
Max. Moisture	100 %			

Product Code	Dimensions (WxHxD)	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)
292-F6-F7-F8-F9				
Z-WKF/287/592/292	287x592x292	9	2125	155
Z-WKF/490/592/292	490x592x292	15	3400	155
Z-WKF/592/592/292	592x592x292	18	4250	155
292-H10				
Z-WKF/287/592/292	287x592x292	9	2125	200
Z-WKF/490/592/292	490x592x292	15	3400	200
Z-WKF/592/592/292	592x592x292	18	4250	200
292-H13				
Z-WKF/-287/592/292	287x592x292	9	2125	220
Z-WKF/490/592/292	490x592x292	15	3400	220
Z-WKF/592/592/292	592x592x292	18	4250	220

MDF Frame | Frame Depth 69-78-150-292 mm | HEPA



Technical Data

Filter Media	Glass Fibre Paper		
Frame Material	MDF Frame		
MPPS Efficiency	≥85 %	≥99,95 %	≥99,995 %
DOP Efficiency (0,3µ)	≥95 %	≥99,99 %	≥99,999%
Classification (EN 1822)	H10	H13	H14
Eurovent Class 4/4	EU10	EU13	EU14
Recommended Final Pressure Drop	600 Pa		
Maximum Pressure Drop	1000 Pa		
Max. Temperature	80 °C		

Product Code	Dimensions (WxHxD)	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)	Weight (Kg)
▶ H13-H14					
Z-HFM/305/305/78-H13-H14	305x305x78	2,5	150	110	1,8
Z-HFM/457/457/78-H13-H14	457x457x78	5,6	335	110	2,2
Z-HFM/305/610/78-H13-H14	305x610x78	5	300	110	2,8
Z-HFM/457/610/78-H13-H14	457x610x78	7,2	450	110	3,1
Z-HFM/535/535/78-H13-H14	535x535x78	9,1	460	110	4,4
Z-HFM/575/575/78-H13-H14	575x575x78	9,7	535	110	4,8
Z-HFM/610/610/78-H13-H14	610x610x78	10,2	600	110	5,2
Z-HFM/610/762/78-H13-H14	610x762x78	12,5	750	110	6,8
Z-HFM/610/610/78-H13-H14	610x915x78	15,1	900	110	7,8
Z-HFM/610/762/78-H13-H14	610x1220x78	20,6	1200	110	10,2

Aluminum Frame | Frame Depth 69-78-150-292 mm | HEPA



Technical Data

Filter Media	Glass Fibre Paper		
Frame Material	Aluminum Frame		
MPPS Efficiency	≥85 %	≥99,95 %	≥99,995 %
DOP Efficiency (0,3µ)	≥95 %	≥99,99 %	≥99,999%
Classification (EN 1822)	H10	H13	H14
Eurovent Class 4/4	EU10	EU13	EU14
Recommended Final Pressure Drop	600 Pa		
Maximum Pressure Drop	1000 Pa		
Max. Temperature	80 °C		

Product Code	Dimensions (WxHxD)	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)	Weight (Kg)
▶ H13-H14					
Z-HFA/305/305/69-H13-H14	305x305x69	2,5	150	120	2,5
Z-HFA/457/457/69-H13-H14	457x457x69	5,6	335	120	3,5
Z-HFA/305/610/69-H13-H14	305x610x69	5	300	120	4,1
Z-HFA/457/610/69-H13-H14	457x610x69	7,2	450	120	4,7
Z-HFA/535/535/69-H13-H14	535x535x69	9,1	460	120	6,6
Z-HFA/575/575/69-H13-H14	575x575x69	9,7	535	120	6,9
Z-HFA/610/610/69-H13-H14	610x610x69	10,2	600	120	7,2
Z-HFA/610/762/69-H13-H14	610x762x69	12,5	750	120	9,1
Z-HFA/610/915/69-H13-H14	610x915x69	15,1	900	120	10,4
Z-HFA/610/1220/69-H13-H14	610x1220x69	20,6	1200	120	11,9

Galvanized Steel Frame | High Capacity | HEPA



Technical Data			
Filter Media	Glass Fibre Paper		
Frame Material	Galvanized Steel Frame		
MPPS Efficiency	≥85 %	≥99,95 %	≥99,995 %
DOP Efficiency (0,3μ)	≥95 %	≥99,99 %	≥99,999 %
Classification (EN 1822)	H10	H13	H14
Eurovent Class 4/4	EU10	EU13	EU14
Recommended Final Pressure Drop	600 Pa		
Maximum Pressure Drop	1000 Pa		
Max. Temperature	80 °C		

Product Code	Dimensions (WxHxD)	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)	Weight (Kg)
▼ H13					
Z-HFW/305/305/292-H13	305x305x292	9	850	250	5,6
Z-HFW/305/610/292-H13	305x610x292	18	1700	250	10
Z-HFW/457/610/292-H13	457x610x292	27	2500	250	14,5
Z-HFW/610/610/292-H13	610x610x292	36	3400	250	18
▼ H14					
Z-HFW/305/305/292-H14	305x305x292	9	850	280	5,6
Z-HFW/305/610/292-H14	305x610x292	18	1700	280	10
Z-HFW/457/610/292-H14	457x610x292	27	2500	280	14,5
Z-HFW/610/610/292-H14	610x610x292	36	3400	280	18

Galvanized Steel Frame | High Temperature | HEPA



Technical Data			
Filter Media	Glass Fibre Paper with Aluminum Separator		
Frame Material	Galvanized Steel Frame		
MPPS Efficiency	≥85 %	≥99,95 %	≥99,995 %
DOP Efficiency (0,3μ)	≥95 %	≥99,99 %	≥99,999 %
Classification (EN 1822)	H10	H13	H14
Eurovent Class 4/4	EU10	EU13	EU14
Recommended Final Pressure Drop	600 Pa		
Maximum Pressure Drop	1000 Pa		
Max. Temperature	80 °C		

Product Code	Dimensions (WxHxD)	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)	Weight (Kg)
▼ H10					
Z-ALU/305/305/149-H10	305x305x149	4	450	220	2,5
Z-ALU/305/610/149-H10	305x610x149	8	850	220	5,5
Z-ALU/610/610/149-H10	610x610x149	15	1750	220	8
Z-ALU/305/305/292-H10	305x305x292	7,5	750	200	4
Z-ALU/305/610/292-H10	305x610x292	15	1500	200	7,5
Z-ALU/610/610/292-H10	610x610x292	30	3000	200	11



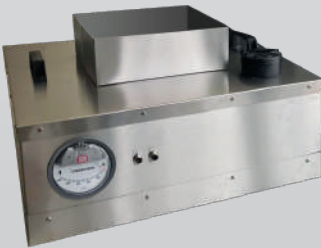
Aluminum Frame | Terminal Type | HEPA

Technical Data

Filter Media	Glass Fibre Paper		
Frame Material	Galvanized Steel Frame		
MPPS Efficiency	≥99,95 %	≥99,995 %	≥99,9995 %
DOP Efficiency (0,3μ)	≥99,99 %	≥99,999%	≥99,9999%
Classification (EN 1822)	H13	H14	U15
Eurovent Class 4/4	EU13	EU14	EU15
Recommended Final Pressure Drop	600 Pa		
Maximum Pressure Drop	1000 Pa		
Max. Temperature	80 °C		

Product Code	Dimensions (WxHxD)	Spigot	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)	Weight (Kg)
▼ H14						
Z-HHF/610/610/125-H14	610x610x125	250	11	600	135	18,5
Z-HHF/610/905/125-H14	610x915x125	250	16,5	900	135	9,5
Z-HHF/610/1220/125-H14	610x1220x125	250	22	1200	135	18
Z-HHF/915/915/125-H14	915x915x125	250	24,8	1350	135	10
▼ U15						
Z-HHF/610/610/125-U15	610x610x125	250	11	600	155	18,5
Z-HHF/610/905/125-U15	610x915x125	250	16,5	900	155	9,5
Z-HHF/610/1220/125-U15	610x1220x125	250	22	1200	155	18
Z-HHF/915/915/125-U15	915x915x125	250	24,8	1350	155	10

Fan Filter Unit | Aluminum-Stainless Frame | HEPA



Technical Data

Filter Media	Glass Fibre Paper
Frame Material	Aluminum - Stainless Frame
MPPS Efficiency	≥99,995 %
DOP Efficiency (0,3μ)	≥99,999%
Classification (EN 1822)	H14
Eurovent Class 4/4	EU14
Recommended Final Pressure Drop	600 Pa
Maximum Pressure Drop	1000 Pa
Max. Temperature	75 °C

Product Code	Dimensions (WxHxD)	Spigot	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)
▼ H14					
Z-FFUP/610/610/380-H14	610x610x380	250	11	600	125
Z-FFUP/610/915/380-H14	610x915x380	250	16,5	900	125
Z-FFUP/610/1220/380-H14	610x1220x380	250	22	1200	125

Extended Surface Activated Carbon Panel Filter | Carbon Filter



Technical Data	
Filter Media	Carbon Impregnated Synthetic Fibre
Frame Material	Cardboard or Galvanize Steel
Initial Pressure Drop	90-60
Final Pressure Drop	450 Pa
Max. Temperature	80 °C
Max. Moisture	80 °C

Product Code	Dimensions (WxHxD)	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)
48-ZW				
Z-KKSD/287/287/48-ZW	287x287x48	0,18	710	65
Z-KKSD/400/500/48-ZW	400x500x48	0,43	1700	65
Z-KKSD/500/500/48-ZW	500x500x48	0,52	2150	65
Z-KKSD/500/625/48-ZW	500x625x48	0,66	2650	65
Z-KKSD/287/592/48-ZW	287x592x48	0,37	1500	65
Z-KKSD/490/592/48-ZW	490x592x48	0,6	2500	65
Z-KKSD/592/592/48-ZW	592x592x48	0,75	3000	65

Pellet Activated Carbon Filled Panel Filter | Carbon Filter



Technical Data	
Filter Media	Pellet/Granular Activated Carbon
Frame Material	Galvanized Steel
Initial Pressure Drop	120-180
Final Pressure Drop	450 Pa
Max. Temperature	80 °C
Max. Moisture	80 °C

Product Code	Dimensions (WxHxD)	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)
30-CC				
Z-KKGD/287/287/30-CC	287x287x30	0,18	160	120
Z-KKGD/500/500/30-CC	500x500x30	0,52	450	120
Z-KKGD/287/592/30-CC	287x592x30	0,37	325	120
Z-KKGD/490/592/30-CC	490x592x30	0,6	530	120
Z-KKGD/592/592/30-CC	592x592x30	0,75	650	120
48-CC				
Z-KKGD/287/287/48-CC	287x287x48	0,25	160	180
Z-KKGD/500/500/48-CC	500x500x48	0,75	450	180
Z-KKGD/287/592/48-CC	287x592x48	0,5	325	180
Z-KKGD/490/592/48-CC	490x592x48	0,87	530	180
Z-KKGD/592/592/48-CC	592x592x48	1,05	650	180

Plastic Frame Extended Surface Compact Filter | Carbon Filter



Technical Data

Filter Media	Small granules of activated carbon in two layers of nonwoven fabric.
Frame Material	Plastic
Initial Pressure Drop	120
Final Pressure Drop	400 Pa
Max. Temperature	40 °C
Max. Moisture	80%

Product Code	Dimensions (WxHxD)	Media Area (m ²)	Air Flow (m ³ /h)	Press. Drop (Pa)
F7				
Z-WKKF/287/592/292-F7	287x592x292	4.5	1600	120
Z-WKKF/490/592/292-F7	490x592x292	7.2	2400	120
Z-WKKF/592/592/292-F7	592x592x292	9	3200	120

C-WKKF/

Activated Carbon Cartridges | Carbon Filter

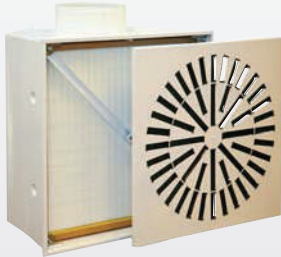


Technical Data

Filter Media	Pellet / Granular Activated Carbon
Frame Material	Galvanized Steel Metal
Initial Pressure Drop	270
Final Pressure Drop	400 Pa
Max. Temperature	40 °C
Max. Moisture	80%

Product Code	Dimensions (WxHxD)	Cartridge No.	Air Flow (m ³ /h)	Carbon (Kg)	Press. Drop (Pa)	Weight (Kg)
CC						
Z-SKK/305/305/440-CC	305x305x440	4	850	12	240	15
Z-SKK/305/610/440-CC	305x610x440	8	1700	24	240	28
Z-SKK/610/610/440-CC	610x610x440	16	3400	48	240	54

Spare Cartridge	ø mm	Length	Air Flow (m ³ /h)	Carbon (Kg)	Depth	Weight (Kg)
Z-SSK/140/400	140	400	212	1,85	25	2,85
Z-SSK/140/500	140	500	265	2,3	25	3,60
Z-SSK/140/600	140	600	320	2,8	35	4,30



Filter Box For Hepa Filters

Technical Data

Construction Material	Powder Coated Galvanized Steel / Stainless Steel
Filter Models	HEPA / ULPA Filters
Depth Model	69 / 78 / 150 / 292mm Frame Depth
Installation Type	Connection from top or side

Product Code	Filter Size WxHxD	Box Dimensions	øD	Diffuser
Z-BOX/330/330/380-150	305x305x78	330x330x380	150	360x360
Z-BOX/330/635/380-200	305x610x78	330x635x380	200	360x670
Z-BOX/480/480/380-200	457x457x78	480x480x380	200	520x520
Z-BOX/635/635/380-250	610x610x78	635x635x380	250	670x670
Z-BOX/330/330/380-150	305x305x150	330x330x450	150	360x360
Z-BOX/330/635/380-200	305x610x150	330x635x450	200	360x670
Z-BOX/480/480/380-200	457x457x150	480x480x450	200	520x520
Z-BOX/635/635/380-250	610x610x150	635x635x450	300	670x670

Frames for Panel and Compact Filters



Technical Data

Frame Material	Galvanized Steel / Stainless Steel
Filter Models	Panel Filter / Pocket Filter / Compact Filters
Depth Model	75 / 100 / 125
Installation Type	4 Clamping Clips

Product Code	Frame Dimensions (WxHxD)	Filter Dimensions (WxHxD)	Weight (Kg)
Z-MC/305/305/75	305x305x75	287x287x25/48	1,15
Z-MC/305/610/75	305x610x75	287x592x25/48	1,7
Z-MC/508/610/75	508x610x75	490x592x25/48	2
Z-MC/610/610/75	610x610x75	592x592x25/48	2,2
Z-MC/305/305/100	305x305x100	287x287x25/48	1,35
Z-MC/305/610/100	305x610x100	287x592x25/48	1,85
Z-MC/508/610/100	508x610x100	490x592x25/48	2,7
Z-MC/610/610/100	610x610x100	592x592x25/48	2,9



Tailor-made filter bag made of filter media offer process safety in your dust collector. We provide ready –to-install filter media in a variety of different sizes, lengths and shapes. They are available in various top and bottom versions, with welded and stitched seams.

The range includes:

- Filter bags
- Filter pockets
- Pleated filter elements
- Filter cloths
- Cartridge filters

Ready-to-install filter bags are suitable for all common cleaning systems regardless whether they are

- Jet-pulse
 - Reverse-air
 - Shaker filter
- or other systems.

Provided the dust collector is operated under optimal conditions, the filter media can achieve a long operational life with dust emission levels that are often far below the legally prescribed limits.

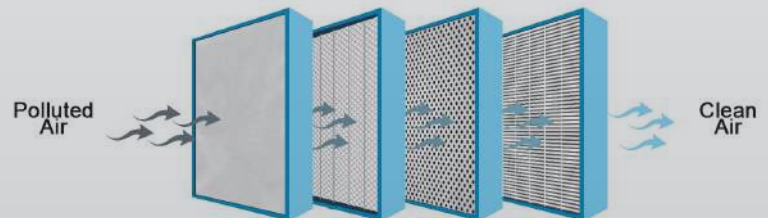
Scrim and Fibre Types	Continuous operating temp* (Maximum)	BWF Envirotec Designation	Resistance to Hydrolysis	Resistance to Acids	Resistance to Alkalis**	Resistance to Oxidation
Polypropylene	90°C/(95°C)	PP	excellent	excellent	excellent	restricted
Polyamide	110°C/(115°C)	PA	restricted	restricted	good	restricted
Polyacrylonitrile copolymer	115°C/(120°C)	AC	restricted	restricted	good	good
Temperature resistant Olefin	125°C/(135°C)	RO	excellent	excellent	excellent	restricted
Polyacrylonitrile homopolymer	125°C/(140°C)	DT	good	good	good	good
Polyester	150°C/(150°C)	PE	restricted	good	restricted	good
Polyphenylene sulfide	190°C/(200°C)	PPS	excellent	excellent	excellent	restricted
m-Aramid	200°C/(220°C)	NO, NX	restricted	restricted	restricted	good
Polyimide	240°C/(260°C)	PI	good	restricted	restricted	good
Polytetrafluoroethylene	250°C/(280°C)	PTFE, TFL	excellent	excellent	excellent	excellent

*Chemical gas stream conditions may require a lower continuous operating temperature to be maintained.
 **especially in case of operation below the dew point and harmful impact of aerosols.



Dust Holder Filter Unit

Product Code	Dimensions (WxHxD)	Filter	Air Flow (m3/h)	Press. Drop (Pa)
Filter Unit				
Z-TTFK	700x700x1350	G4+F7+F9	3500	350
Z-TTFK	700x1000x1350	G4+F7+F9	5000	350
Z-TTFK	700x1300x1350	G4+F7+F9	7500	350
Z-TTFK	1000x1300x1350	G4+F7+F9	10000	350



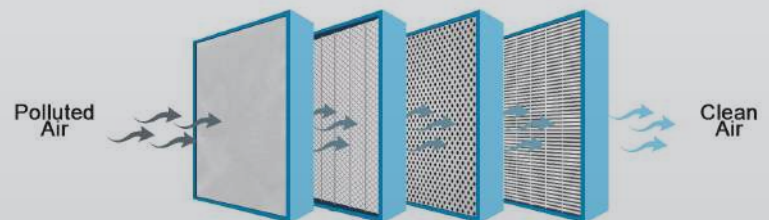
Shelter Filter Unit

Product Code	Dimensions (WxHxD)	Filter	Air Flow (m3/h)	Press. Drop (Pa)
Filter Unit				
Z-SFK	425x425x1350	G4+CC+NBC	850	480
Z-SFK	425x700x1350	G4+CC+NBC	1750	480
Z-SFK	700x700x1350	G4+CC+NBC	3500	480
Z-SFK	700x1000x1350	G4+CC+NBC	5000	480



Odor and Oil Trap Filter Unit

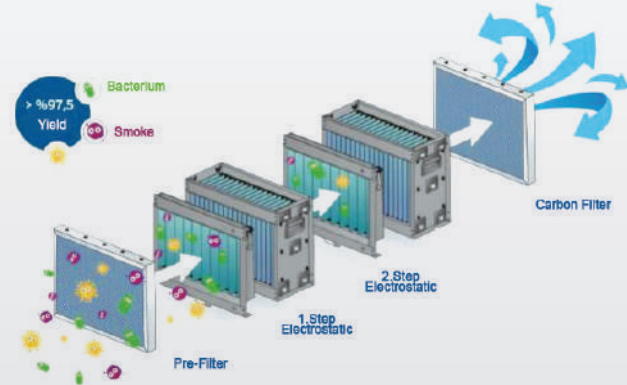
Product Code	Dimensions (WxHxD)	Filter	Air Flow (m3/h)	Press. Drop (Pa)
Filter Unit				
Z-KTFK	700x700x1000	G2+G3+CC	3500	330
Z-KTFK	700x1000x1000	G2+G3+CC	5000	330
Z-KTFK	700x1300x1000	G2+G3+CC	7500	330
Z-KTFK	1000x1300x1000	G2+G3+CC	10000	330



Fan With Fragrance and Oil Trap Filter Unit

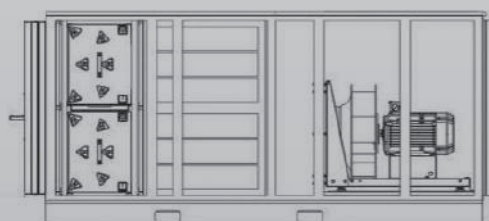
Product Code	Dimensions (WxHxD)	Filter	Motor Power (kW)	Air Flow (m3/h)	Press. Drop (Pa)
Filter Unit					
Z-FKTFK	700x700x1750	G2+G3+CC	2,2	3500	340
Z-FKTFK	700x1000x1750	G2+G3+CC	3	5000	340
Z-FKTFK	700x1300x1900	G2+G3+CC	4	7500	340
Z-FKTFK	1000x1300x2100	G2+G3+CC	5,5	10000	340

Air Filter Technology

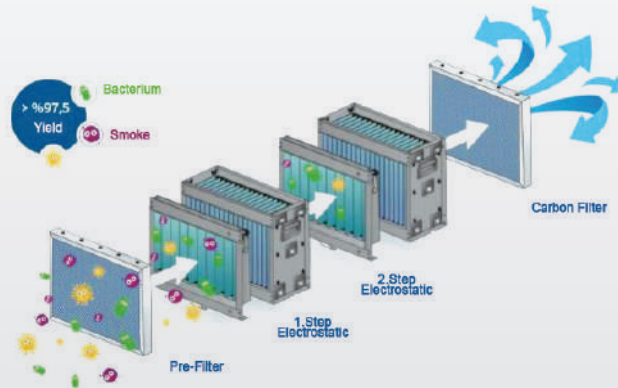


Technical Data

Product's Name	Electrostatic Filter	Electrostatic Filter	Electrostatic Filter
Model	3000	5000	7500
Dimensions (WxHxD)	760 mm x 575 mm x 575 mm	1035 mm x 575 mm x 575 mm	1450 mm x 575 mm x 575 mm
Weight	60 Kg	77 Kg	105 Kg
Air Flow	3.500 m3/h	5.000 m3/h	7.500 m3/h
Suction Nozzle Dimensions	490 mm x 430 mm	770 mm x 430 mm	1190 mm x 430 mm
Air Flow Direction	From Right To Teft-From Left To Right	From Right To Teft-From Left To Right	From Right To Teft-From Left To Right
Number Of Collector Cells	1 Pcs	2 Pcs	3 Pcs
Collector Cell Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Number Of Ionizing Wires	11 Pcs	16 Pcs	24 Pcs
Number Of Collector Plates	65 Pcs	98 Pcs	147 Pcs
Press. Drop	100+50 Pa	100+50 Pa	100+50 Pa
Electrical Supply Values	220 V /50 - 60 Hz	220 V /50 - 60 Hz	220 V /50 - 60 Hz
Power	70 - 200 Watt	70 - 200 Watt	70 - 200 Watt
High Voltage Power Unit (Adjustable)	High Voltage 14.000 V Low Voltage 7.000 V	High Voltage 14.000 V Low Voltage 7.000 V	High Voltage 14.000 V Low Voltage 7.000 V
Average Gravimetric Efficiency	>95%	>95%	>95%
Max. Temperature	65 °C	65 °C	65 °C
Pre-Filter	Standard	Standard	Standard
Oil Drain Pan	Standard	Standard	Standard



Air Filter Technology



Technical Data

Product's Name	Electrostatic Filter	Electrostatic Filter	Electrostatic Filter
Model	10000	15000	22500
Dimensions (WxHxD)	1035 mm x 1150 mm x 575 mm	1450 mm x 1150 mm x 575 mm	1450 mm x 1725 mm x 575 mm
Weight	154 Kg	210 Kg	315 Kg
Air Flow	10.000 m3/h	15.000 m3/h	22.500 m3/h
Suction Nozzle Dimensions	770 mm x 860 mm	1190 mm x 860 mm	1190 mm x 1290 mm
Air Flow Direction	From Right To Teft-From Left To Right	From Right To Teft-From Left To Right	From Right To Teft-From Left To Right
Number Of Collector Cells	4 Pcs	6 Pcs	9 Pcs
Collector Cell Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Number Of Ionizing Wires	32 Pcs	48 Pcs	64 Pcs
Number Of Collector Plates	196 Pcs	294 Pcs	441 Pcs
Press. Drop	100+50 Pa	100+50 Pa	100+50 Pa
Electrical Supply Values	220 V /50 - 60 Hz	220 V /50 - 60 Hz	220 V /50 - 60 Hz
Power	70 - 200 Watt	70 - 200 Watt	70 - 200 Watt
High Voltage Power Unit (Adjustable)	High Voltage 14.000 V Low Voltage 7.000 V	High Voltage 14.000 V Low Voltage 7.000 V	High Voltage 14.000 V Low Voltage 7.000 V
Average Gravimetric Efficiency	>95%	>95%	>95%
Max. Temperature	65 °C	65 °C	65 °C
Pre-Filter	Standard	Standard	Standard
Oil Drain Pan	Standard	Standard	Standard





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