

KFB – Filter Box

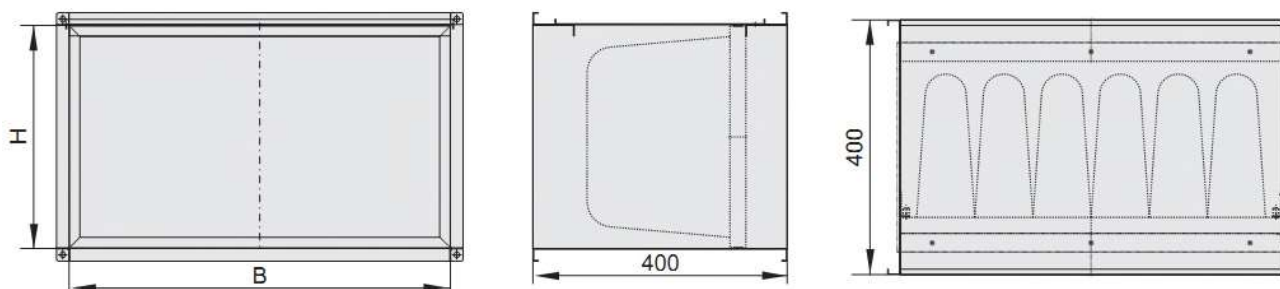
Accessories for duct fans

Casing made of galvanized sheet steel with folding cover for an easier filter change. Pocket filter of filter class ISO ePM10 ≥50% (formerly M5) and ISO ePM1 ≥50% (formerly F7) available. Connections on rectangular duct system with 20mm frame.



Technical Data:

Dimensions:



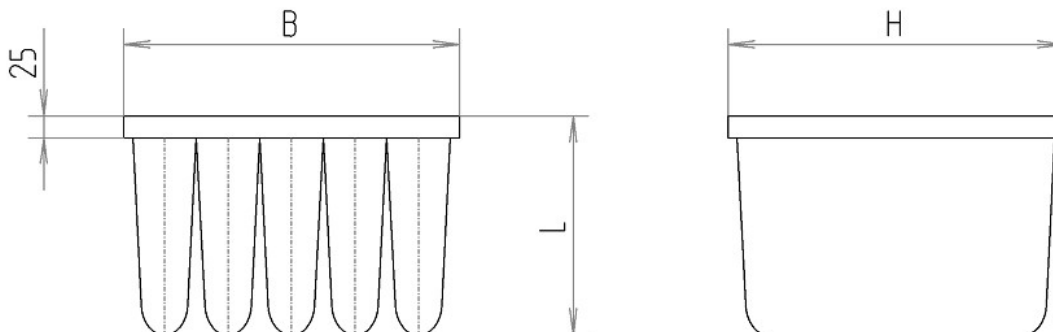
Duct size [mm]	Filter class	Type	Art.-No.	B [mm]	H [mm]	Weight [kg]
400 x 200	ISO ePM10 ≥50%	KFB 40/20	D22-40205	400	200	4,8
	ISO ePM1 ≥50%	KFB 40/20	D22-40207	400	200	4,8
500 x 250	ISO ePM10 ≥50%	KFB 50/25	D22-50255	500	250	6,8
	ISO ePM1 ≥50%	KFB 50/25	D22-50257	500	250	6,8
500 x 300	ISO ePM10 ≥50%	KFB 50/30	D22-50305	500	300	6,8
	ISO ePM1 ≥50%	KFB 50/30	D22-50307	500	300	6,8
600 x 300	ISO ePM10 ≥50%	KFB 60/30	D22-60305	600	300	10,5
	ISO ePM1 ≥50%	KFB 60/30	D22-60307	600	300	10,5
600 x 350	ISO ePM10 ≥50%	KFB 60/35	D22-60355	600	350	11,0
	ISO ePM1 ≥50%	KFB 60/35	D22-60357	600	350	11,0
700 x 400	ISO ePM10 ≥50%	KFB 70/40	D22-70405	700	400	13,0
	ISO ePM1 ≥50%	KFB 70/40	D22-70407	700	400	13,0
800 x 500	ISO ePM10 ≥50%	KFB 80/50	D22-80505	800	500	16,0
	ISO ePM1 ≥50%	KFB 80/50	D22-80507	800	500	16,0
900 x 500	ISO ePM10 ≥50%	KFB 90/50	D22-90505	900	500	17,0
	ISO ePM1 ≥50%	KFB 90/50	D22-90507	900	500	17,0
1000 x 500	ISO ePM10 ≥50%	KFB 100/50	D22-10505	1000	500	18,0
	ISO ePM1 ≥50%	KFB 100/50	D22-10507	1000	500	18,0

Scope of Delivery:

- Filter box incl. filter (KFB)

Pocket Filter (KF) for Filter Box (KFB):

Dimensions:



Pocket Filter (KF) for Filter Box (KFB):

Overview:

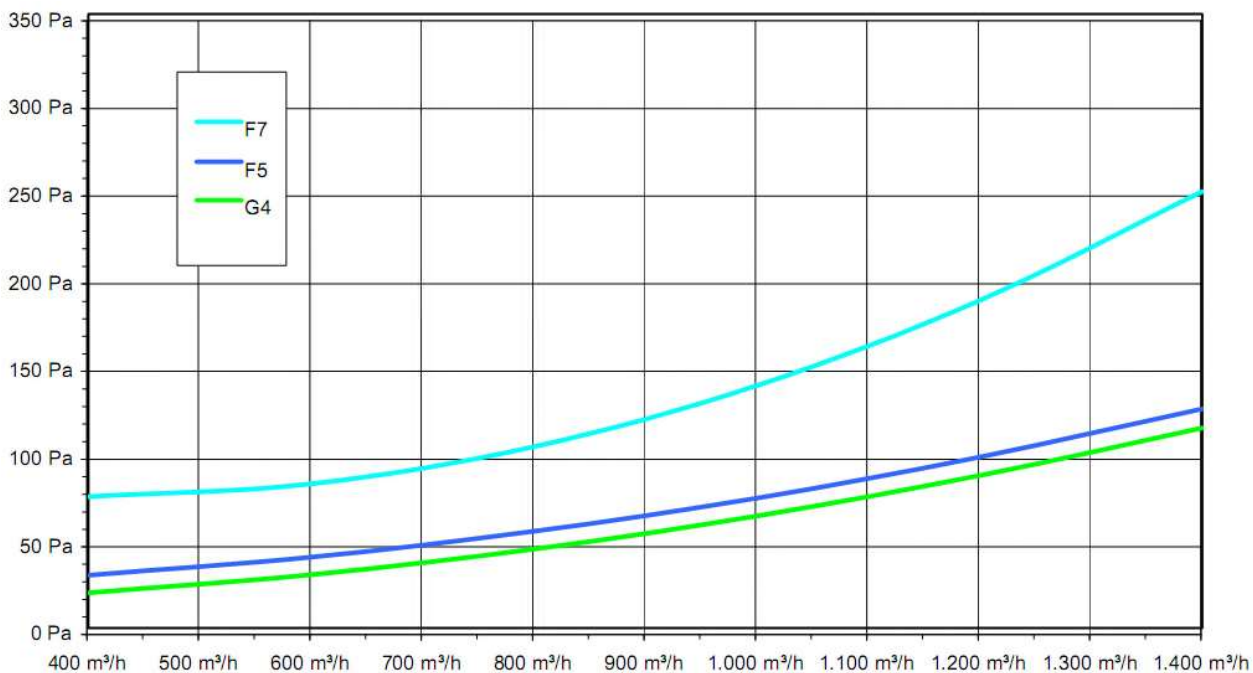
Duct size [mm]	Type	Art.-No.	Pocket filter Art.No.	H [mm]	B [mm]	L [mm]	Frame [mm]	Number of pockets	Weight [kg]
400 x 200	KFB 40/20	D22-40205	FTA402-0501K	198	399	250	25	3	1,0
	KFB 40/20	D22-40207	FTA402-0701K	398	198	250	25	4	0,8
500 x 250	KFB 50/25	D22-50255	FTA502-0501K	248	499	250	25	5	0,8
	KFB 50/25	D22-50257	FTA502-0701K	248	499	250	25	6	0,8
500 x 300	KFB 50/30	D22-50305	FTA503-0501K	298	499	250	25	5	0,8
	KFB 50/30	D22-50307	FTA503-0701K	298	499	250	25	6	0,8
600 x 300	KFB 60/30	D22-60305	FTA603-0501K	298	599	250	25	5	0,8
	KFB 60/30	D22-60307	FTA603-0701K	298	599	250	25	7	0,8
600 x 350	KFB 60/35	D22-60355	FTA603-0405K	348	599	250	25	5	0,8
	KFB 60/35	D22-60357	FTA603-0702K	348	599	250	25	7	0,8
700 x 400	KFB 70/40	D22-70405	FTA704-0501K	398	699	250	25	6	0,8
	KFB 70/40	D22-70407	FTA704-0701K	398	699	250	25	7	0,8
800 x 500	KFB 80/50	D22-80505	FTA805-0501K	498	799	250	25	7	1,5
	KFB 80/50	D22-80507	FTA805-0701K	498	799	250	25	8	1,5
900 x 500	KFB 90/50	D22-90505	FTA905-0501K	498	899	250	25	7	2,0
	KFB 90/50	D22-90507	FTA905-0701K	498	899	250	25	8	2,0
1000 x 500	KFB 100/50	D22-10505	FTA105-0501K	498	999	250	25	8	2,5
	KFB 100/50	D22-10507	FTA105-0701K	498	999	250	25	9	2,5

Technical Data:

Pressure losses:

400x200

Filter				Airflow / Air velocity / Initial pressure					
Filter area (q=) 0.080 m ²				400 m ³ /h	600 m ³ /h	800 m ³ /h	1000 m ³ /h	1200 m ³ /h	1400 m ³ /h
Type	a =	b =	c =	1.39 m/s	2.08 m/s	2.78 m/s	3.47 m/s	4.17 m/s	4.86 m/s
ISO coarse ≥60% (G4)	4.38	-0.28	12	20	30	45	64	87	114
ISO ePM10 ≥50% (M5)	4.45	-0.45	22	30	40	55	74	97	125
ISO ePM1 ≥50% (F7)	14.20	-38.60	101	75	82	103	138	187	249

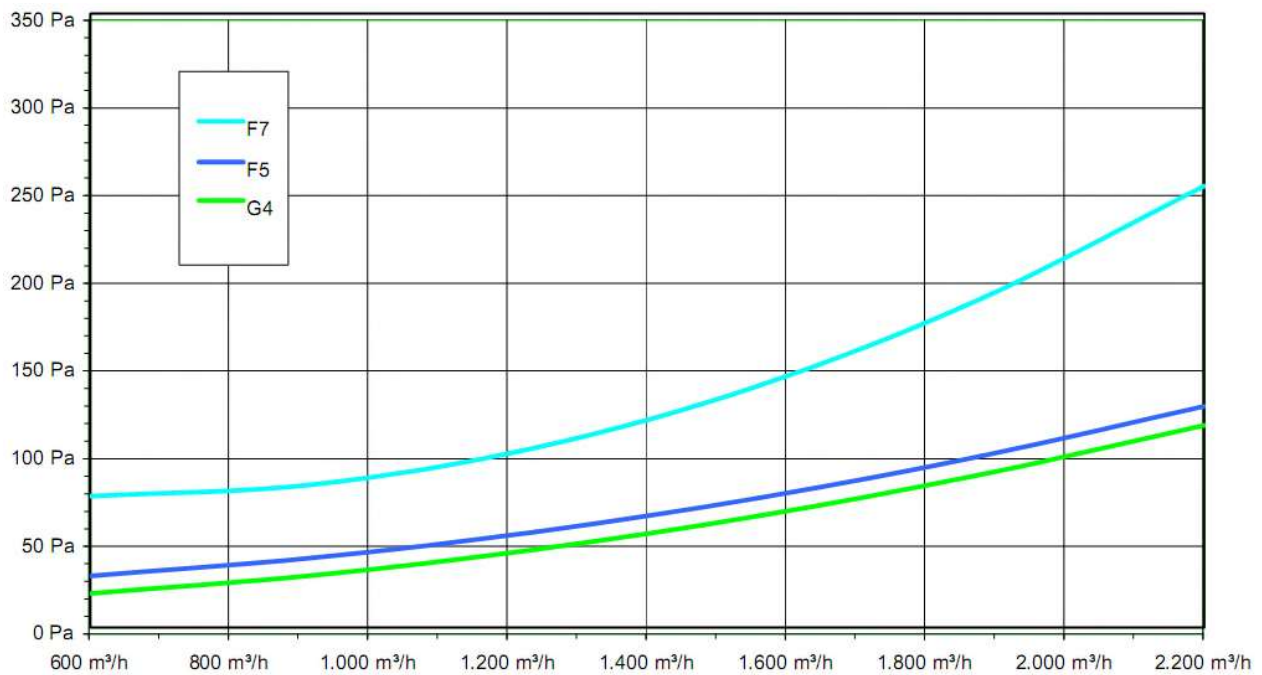


Technical Data:

Pressure losses:

500x250

Filter				Airflow / Air velocity / Initial pressure					
Filter area (q=) 0.125 m ²				600 m ³ /h	920 m ³ /h	1240 m ³ /h	1560 m ³ /h	1880 m ³ /h	2200 m ³ /h
Type	a =	b =	c =	1.33 m/s	2.04 m/s	2.76 m/s	3.47 m/s	4.18 m/s	4.89 m/s
ISO coarse ≥60% (G4)	4.38	-0.28	12	19	30	44	64	87	115
ISO ePM10 ≥50% (M5)	4.45	-0.45	22	29	40	55	74	98	126
ISO ePM1 ≥50% (F7)	14.20	-38.60	101	75	81	102	138	188	252

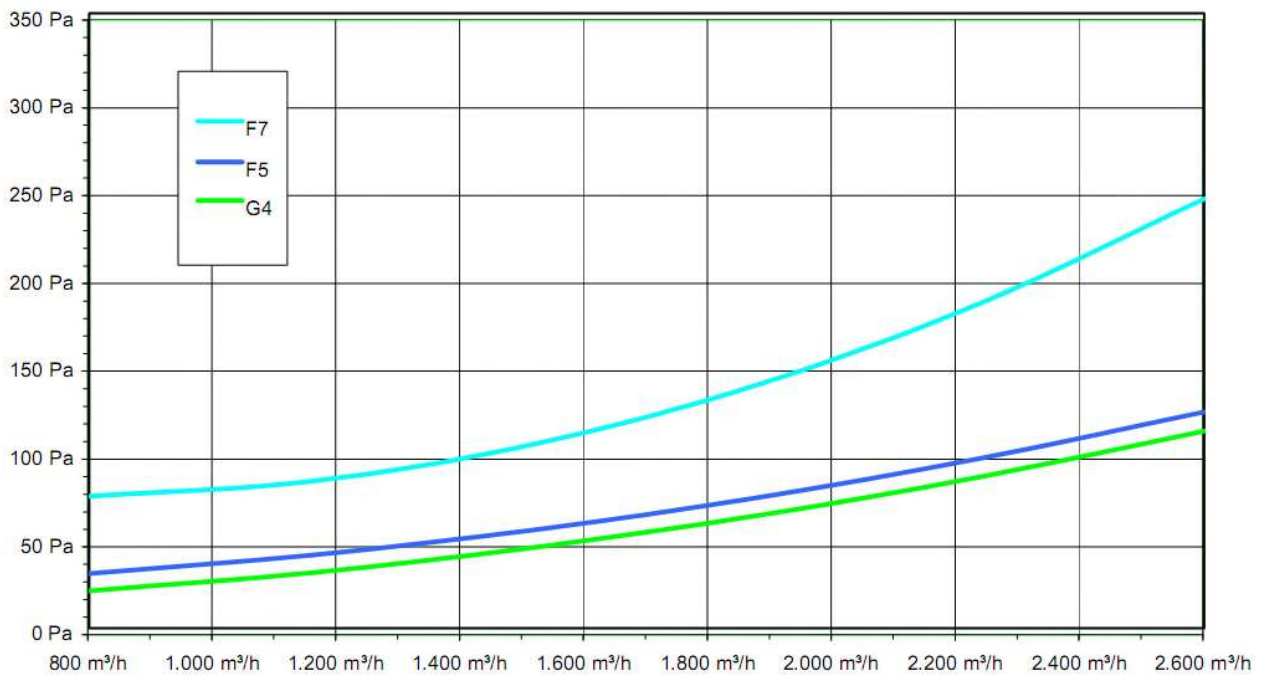


Technical Data:

Pressure losses:

500x300

Filter				Airflow / Air velocity / Initial pressure					
Filter area (q=) 0.150 m ²				800 m ³ /h	1160 m ³ /h	1520 m ³ /h	1880 m ³ /h	2240 m ³ /h	2600 m ³ /h
Type	a =	b =	c =	1.48 m/s	2.15 m/s	2.81 m/s	3.48 m/s	4.15 m/s	4.81 m/s
ISO coarse ≥60% (G4)	4.38	-0.28	12	21	32	46	64	86	112
ISO ePM10 ≥50% (M5)	4.45	-0.45	22	31	42	56	74	97	123
ISO ePM1 ≥50% (F7)	14.20	-38.60	101	75	84	105	139	185	244

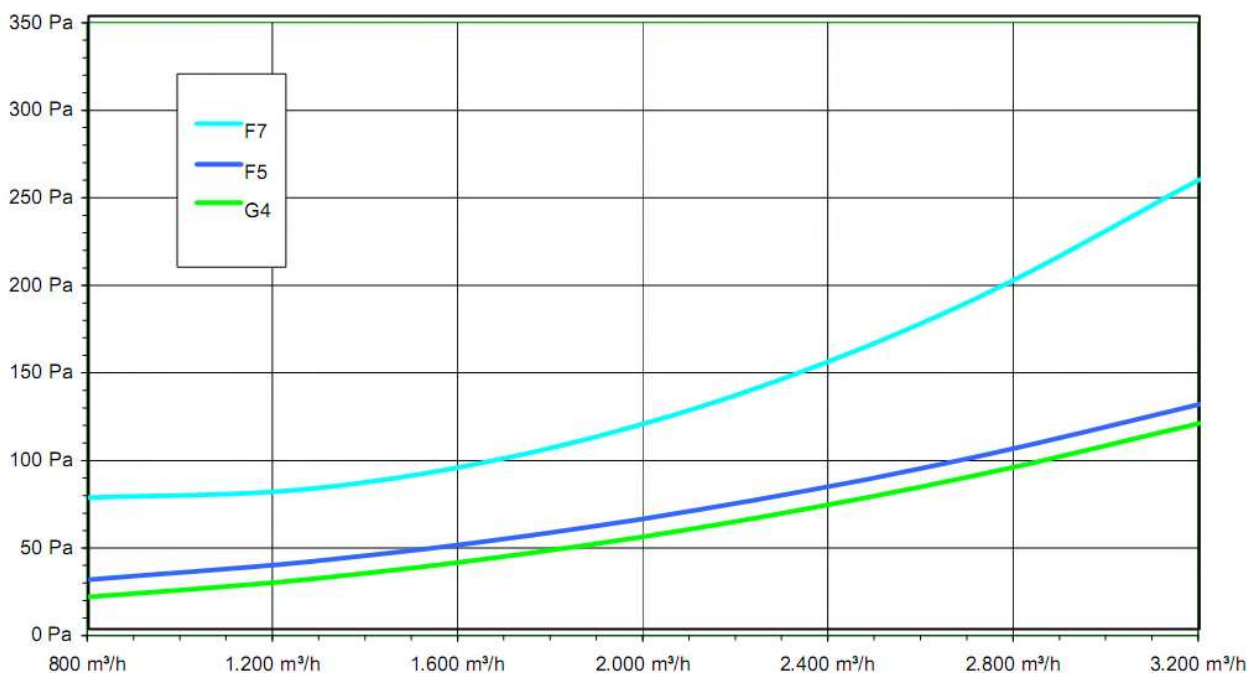


Technical Data:

Pressure losses:

600x300

Filter				Airflow / Air velocity / Initial pressure					
Filter area (q=) 0.180 m ²				800 m ³ /h	1280 m ³ /h	1760 m ³ /h	2240 m ³ /h	2720 m ³ /h	3200 m ³ /h
Type	a =	b =	c =	1.23 m/s	1.98 m/s	2.72 m/s	3.46 m/s	4.20 m/s	4.94 m/s
ISO coarse ≥60% (G4)	4.38	-0.28	12	18	29	44	63	88	117
ISO ePM10 ≥50% (M5)	4.45	-0.45	22	28	38	54	74	99	128
ISO ePM1 ≥50% (F7)	14.20	-38.60	101	75	80	101	137	189	257

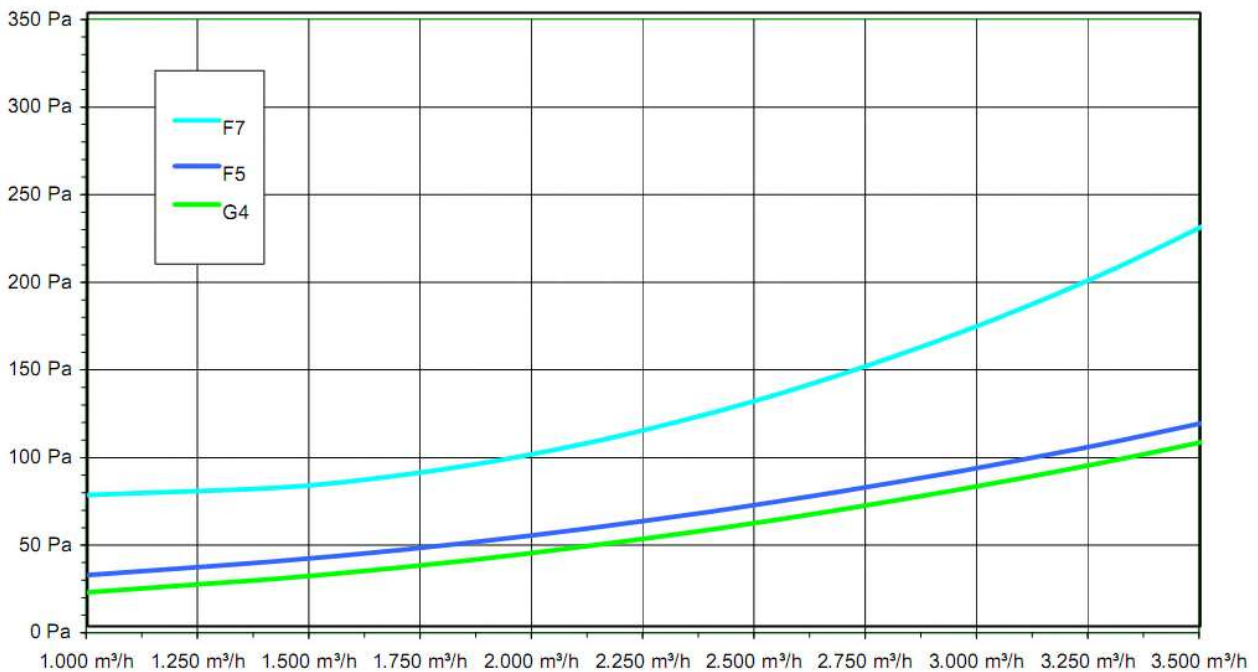


Technical Data:

Pressure losses:

600x350

Filter				Airflow / Air velocity / Initial velocity					
Filter area (q=) 0.210 m ²				1000 m ³ /h	1560 m ³ /h	2120 m ³ /h	2680 m ³ /h	3240 m ³ /h	3800 m ³ /h
Type	a =	b =	c =	1.32 m/s	2.06 m/s	2.80 m/s	3.54 m/s	4.29 m/s	5.03 m/s
ISO coarse ≥60% (G4)	4.38	-0.28	12	19	30	46	66	91	121
ISO ePM10 ≥50% (M5)	4.45	-0.45	22	29	40	56	76	102	132
ISO ePM1 ≥50% (F7)	14.20	-38.60	101	75	82	104	143	196	266

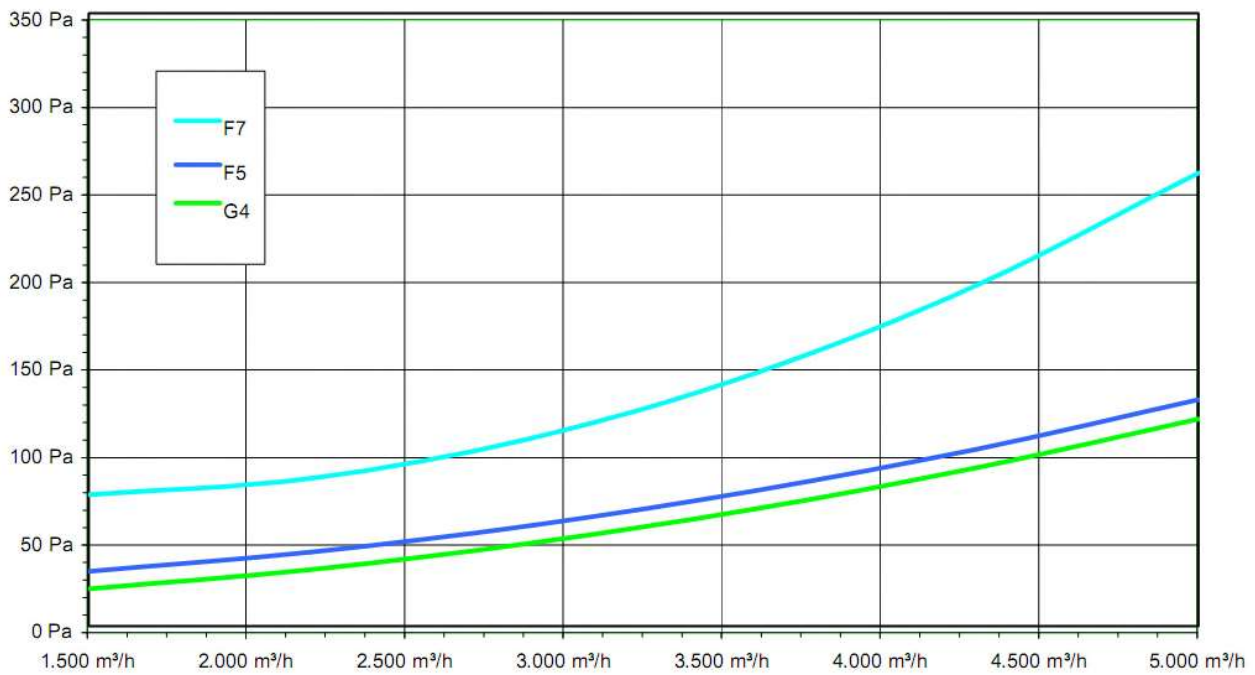


Technical Data:

Pressure losses:

700x400

Filter				Airflow / Air velocity / Initial pressure					
Filter area (q=) 0.280 m ²				1500 m ³ /h	2200 m ³ /h	2900 m ³ /h	3600 m ³ /h	4300 m ³ /h	5000 m ³ /h
Type	a =	b =	c =	1.49 m/s	2.18 m/s	2.88 m/s	3.57 m/s	4.27 m/s	4.96 m/s
ISO coarse ≥60% (G4)	4.38	-0.28	12	21	32	47	67	91	118
ISO ePM10 ≥50% (M5)	4.45	-0.45	22	31	42	58	77	101	129
ISO ePM1 ≥50% (F7)	14.20	-38.60	101	75	84	107	144	195	259

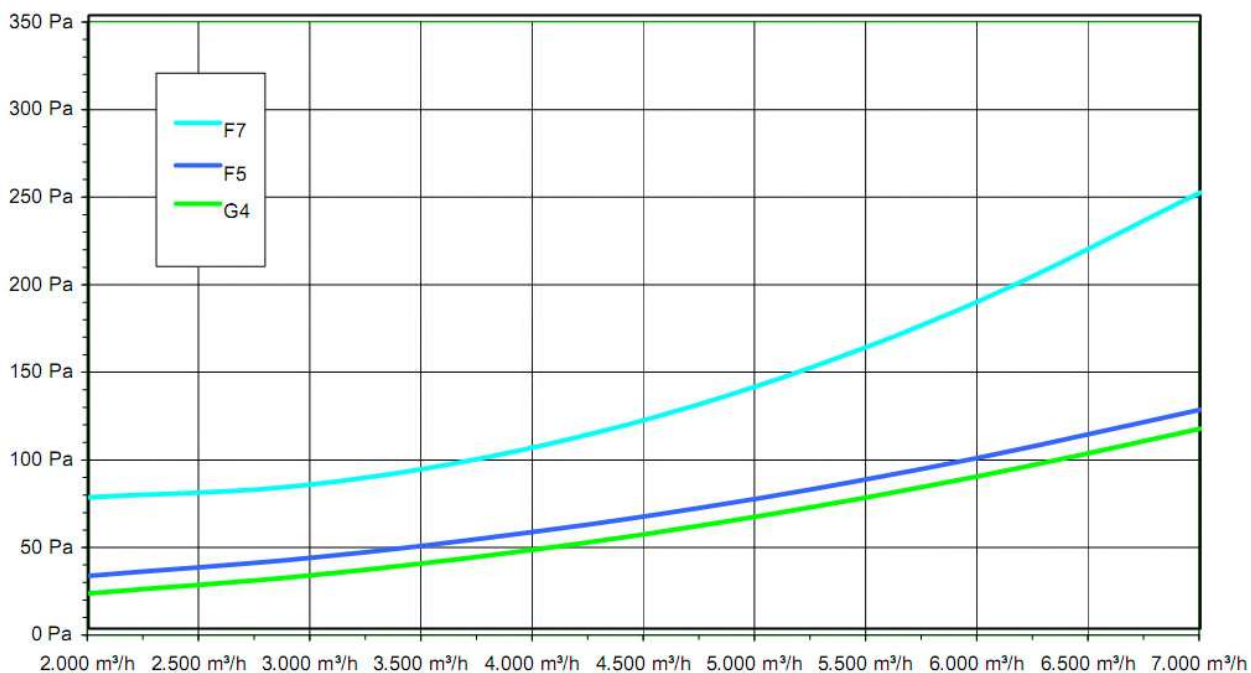


Technical Data:

Pressure losses:

800x500

Filter				Airflow / Air velocity / Initial pressure					
Filter area (q=) 0.400 m ²				2000 m ³ /h	3000 m ³ /h	4000 m ³ /h	5000 m ³ /h	6000 m ³ /h	7000 m ³ /h
Type	a =	b =	c =	1.39 m/s	2.08 m/s	2.78 m/s	3.47 m/s	4.17 m/s	4.86 m/s
ISO coarse ≥60% (G4)	4.38	-0.28	12	20	30	45	64	87	114
ISO ePM10 ≥50% (M5)	4.45	-0.45	22	30	40	55	74	97	125
ISO ePM1 ≥50% (F7)	14.20	-38.60	101	75	82	103	138	187	249

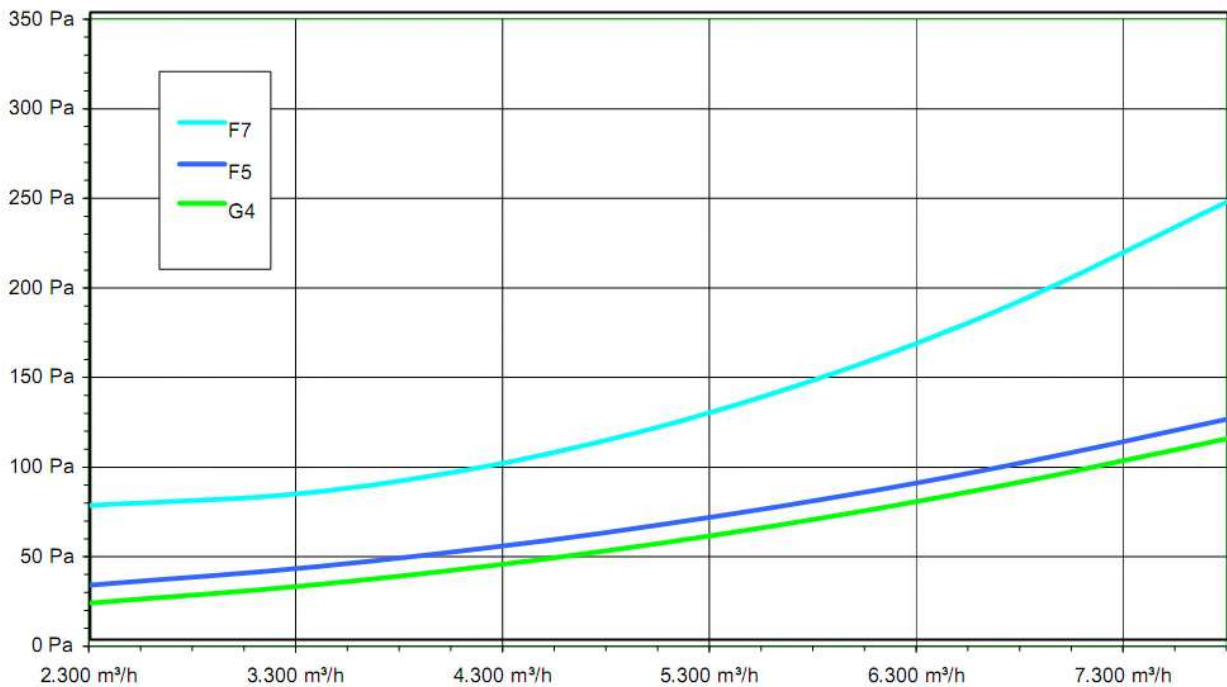


Technical Data:

Pressure losses:

900x500

Filter				Airflow / Air velocity / Initial pressure					
Filter area (q=) 0.450 m ²				2300 m ³ /h	3400 m ³ /h	4500 m ³ /h	5600 m ³ /h	6700 m ³ /h	7800 m ³ /h
Type	a =	b =	c =	1.42 m/s	2.10 m/s	2.78 m/s	3.46 m/s	4.14 m/s	4.81 m/s
ISO coarse ≥60% (G4)	4.38	-0.28	12	20	31	45	63	86	112
ISO ePM10 ≥50% (M5)	4.45	-0.45	22	30	41	55	74	96	123
ISO ePM1 ≥50% (F7)	14.20	-38.60	101	75	83	103	137	184	244



Technical Data:

Pressure losses:

1000x500

Filter				Airflow / Air velocity / Initial pressure					
Filter area (q=) 0.500 m ²				2500 m ³ /h	3700 m ³ /h	4900 m ³ /h	6100 m ³ /h	7300 m ³ /h	8500 m ³ /h
Type	a =	b =	c =	1.39 m/s	2.06 m/s	2.72 m/s	3.39 m/s	4.06 m/s	4.72 m/s
ISO coarse ≥60% (G4)	4.38	-0.28	12	20	30	44	61	83	108
ISO ePM10 ≥50% (M5)	4.45	-0.45	22	30	40	54	72	93	119
ISO ePM10 ≥50% (F7)	14.20	-38.60	101	75	82	101	133	178	235

