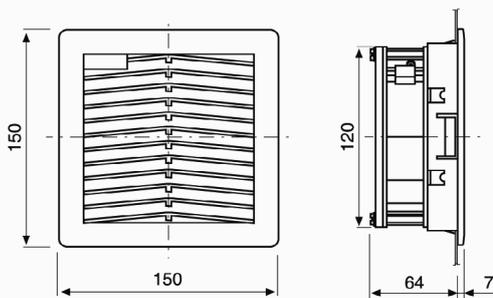


"FPF12K" SERIES FAN FILTERS

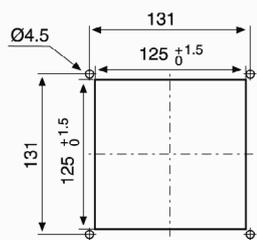
Description: **Fan Filter 24/115/230 Va.c.**



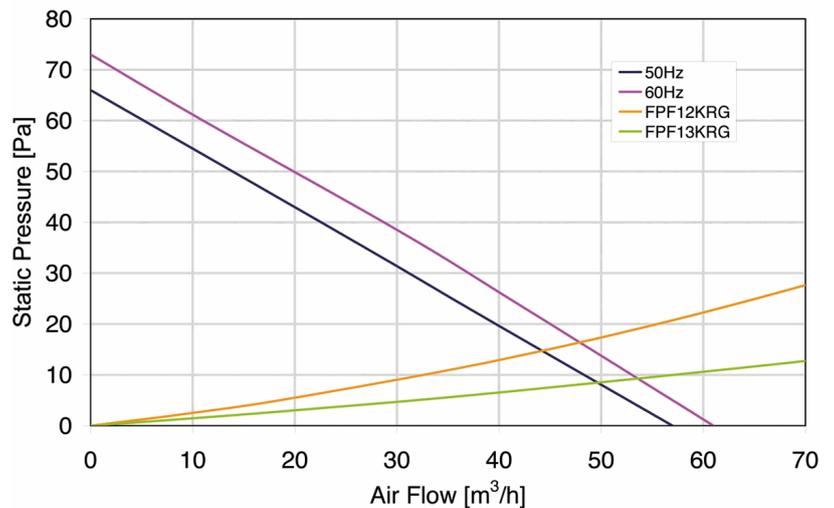
technical drawing



mounting cut-out



Type of material:	ABS/PC alloy
Standard color:	RAL 7032, RAL 7035 and RAL 9005 - other colors on request
Protection degree:	IP54, according to EN 60529 Std; Type 12, according to UL 508 Std
Fixing system:	by elastic hooks, otherwise by four 4.8 mm self-threading screws
Plate thickness:	from 1.5 mm to 2.2 mm
Storage temperature:	from -40°C to +70°C
Motor Lifetime L10 at 40°C (approx.):	45,000 h
Motor protection:	impedance
Electrical connection:	by terminal block 2 poles L-N, 2.5 - 4 mm ²
Earth connection:	by M4 thread hole on fan's casing
Appliance class:	class III for 24V, class I for other voltage
Type of filter media:	thermo-linked progressive structure syntetich fibre
Filtering class:	class G3, according to EN 779
Degree of separation:	85% - DIN 24185
Dust retention capacity:	600 g/m ²
Note:	filter media is washable for about 10 times
Weight:	0.8Kg
Approvals:	CE, UL E237844



Model	Voltage (V)	Frequency (Hz)	Rated Current (A)	Rated Power (W)	Max Air Flow** (m3/h)	Static Pressure (Pa)	Fan Noise [db(A)]	Rated Temp. Range (°C)	Approvals
FPF12K*115BE-110	115 V a.c.	50/60	0.210/0.180	20/18	57/61	66/73	46.0/49.0	-10 ÷ +50	CE; cURus
FPF12K*115BER-110	115 V a.c.	50/60	0.210/0.180	20/18	57/61	66/73	46.0/49.0	-10 ÷ +50	CE; cURus
FPF12K*230BE-110	230 V a.c.	50/60	0.125/0.110	20/19	57/61	66/73	46.0/49.0	-10 ÷ +50	CE; cURus
FPF12K*230BER-110	230 V a.c.	50/60	0.125/0.110	20/19	57/61	66/73	46.0/49.0	-10 ÷ +50	CE; cURus
FPF12K*24BER-110	24 V a.c.	50/60	0.810/0.850	15/16	57/61	66/73	46.0/49.0	-10 ÷ +50	CE
FPF12KR24BE-110	24 V a.c.	50/60	0.810/0.850	15/16	57/61	66/73	46.0/49.0	-10 ÷ +50	CE

* U = RAL 7035 R = RAL 7032 N = RAL 9005 **data with uncertainty of 15%

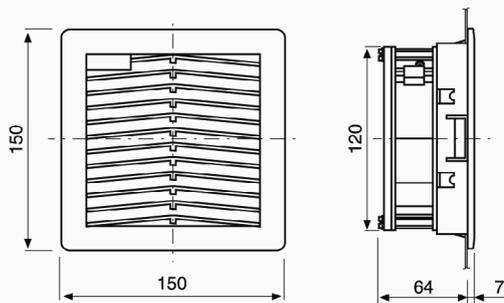
"FPF12KD" SERIES FAN FILTERS

Description: Fan Filters 24/48 Vd.c.

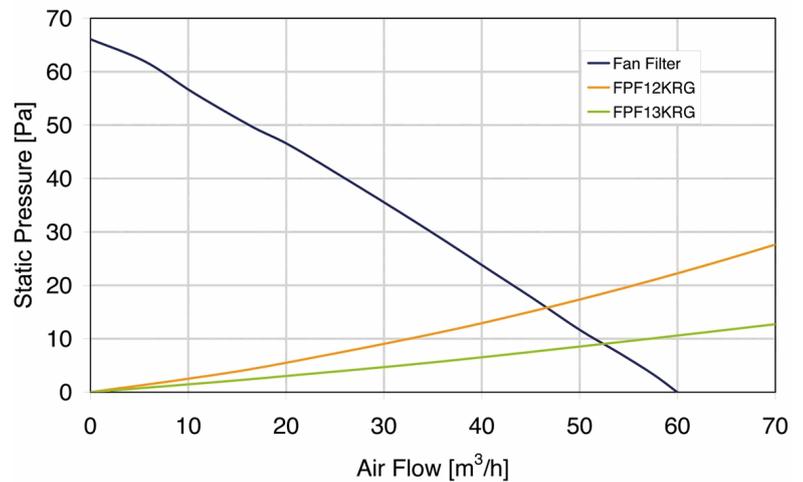
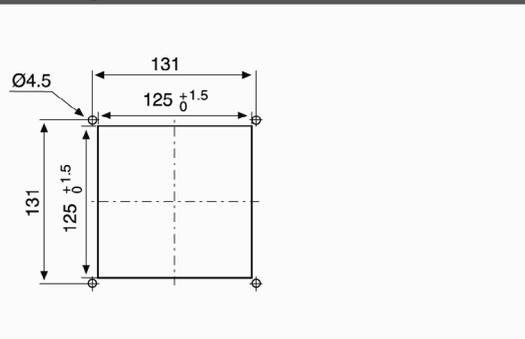


- Type of material:** ABS/PC alloy
- Standard color:** RAL 7032, RAL 7035 and RAL 9005 - other colors on request
- Protection degree:** IP54, according to EN 60529 Std
Type 12, according to UL 508 Std
- Fixing system:** by elastic hooks, otherwise by four 4.8 mm self-threading screws
- Plate thickness:** from 1.5 mm to 2.2 mm
- Storage temperature:** from -40°C to +70°C
- Motor Lifetime L10 at 40°C (approx.):** 70,000 h
- Motor protection:** overcurrent, reverse polarity
- Electrical connection:** by 2 wires +(red), -(black), 24 AWG
- Appliance class:** Class III
- Type of filter media:** thermo-linked progressive structure synthetic fibre
- Filtering class:** class G3, according to EN 779
- Degree of separation:** 85% - DIN 24185
- Dust retention capacity:** 600 g/m²
- Note:** filter media is washable for about 10 times
- Weight:** 0.5 Kg
- Approvals:** CE, UL E237844

technical drawing



mounting cut-out



Model	Voltage (V)	Frequency (Hz)	Rated Current (A)	Rated Power (W)	Max Air Flow** (m ³ /h)	Static Pressure (Pa)	Fan Noise [db(A)]	Rated Temp. Range (°C)	Approvals
FPF12K*D24B-110	24 V d.c.	-	0.400	9.6	60	66	42.5	-10 + +50	CE; cURus
FPF12K*D24BR-110	24 V d.c.	-	0.400	9.6	60	66	42.5	-10 + +50	CE; cURus
FPF12K*D48B-110	48 V d.c.	-	0.160	7.7	60	66	42.5	-10 + +55	CE

* U = RAL 7035 R = RAL 7032 N = RAL 9005 **data with uncertainty of 15%

FPF12KRD24BC-110

EMC version with fan



FPF series exhaust filter and filter fans represents a side-mounted cooling solution with filtered ambient air to maintain optimum ventilation inside the electrical cabinets. These units have a flat external profile and a quick snap-on fastening system with elastic hooks. Available in different range of sizes, airflow ratings and configurations.

Technical data		
APPROVALS		
Approvals	CE	
PERFORMANCE		
Max Airflow	60	m ³ /h
	35	CFM
Max Static Pressure	66	Pa
	0.26	in H ₂ O
ELECTRICAL DATA		
Rated Voltage	24	V d.c.
Rated Current	0.4	A
Rated Power	9.6	W
Motor Protection	Electronically Protected	
MECHANICAL DATA		
Mounting Wall Thickness	1.5-2.2	mm
	0.06-0.09	in
GENERIC DATA		
RAL Number	7032	
Airflow Direction	Direct	
Electrical Connection	Wire	
Life Expectancy	50000	h at 25 °C
	50000	h at 77 °F

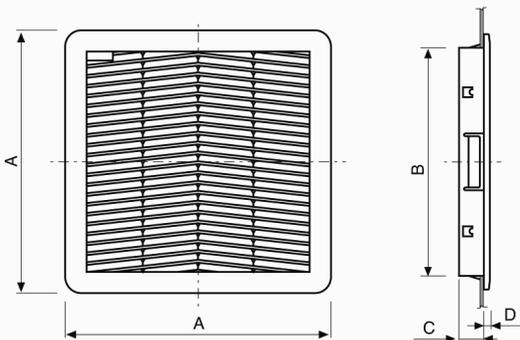
"FPF" SERIES FILTER UNITS

Description: **Filter**

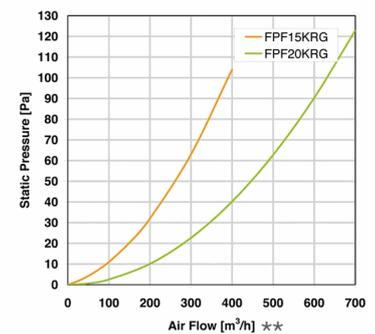
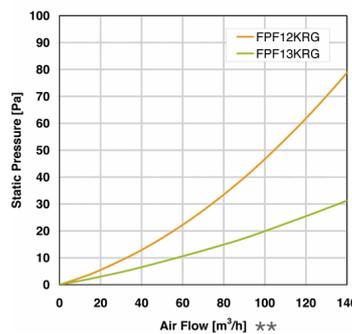
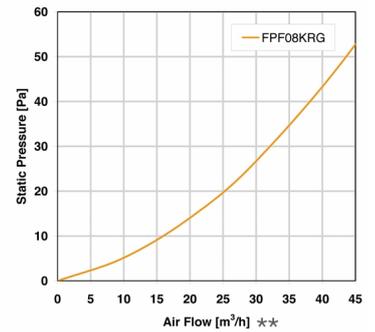
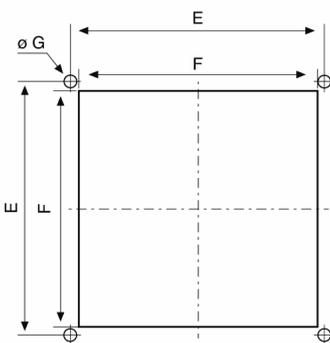


- Type of material:** ABS/PC Alloy
- Standard color:** RAL 7032, RAL 7035 and RAL 9005 - other colors on request
- Protection degree:** IP54, according to EN 60529 standard
- Fixing system:** Type 12, according to UL 508 standard by elastic hooks, otherwise by four self-threading screws
- Plate thickness:** from 1.5 mm to 2.2 mm
- Storage temperature:** from -40°C to + 70°C
- Filtering class:** class G3, according to EN 779
- Degree of separation:** 85% - DIN 24185
- Dust retention capacity:** 600 g/m²
- Note:** filter media is washable for about 10 times
- Approvals:** CE; UL E237844

technical drawing



mounting cut-out



Model	A	B	C	D	E	F	G	Cross section free without media	Weight	Approvals
	(mm)	(cm ²)	(Kg)							
FPF08K*G-101	105	91	14	7	95	91.5	1.8	27	0.09	CE; cURus
FPF12K*G-100	150	124	21	7	131	125	4.5	53	0.18	CE; cURus
FPF13K*G-100	204	175	20	8	185	177	4.5	121	0.35	CE; cURus
FPF15K*G-100	250	220	23	8	230	223	4.5	225	0.54	CE; cURus
FPF20K*G-100	325	288	24	9	302	291	4.5	317	0.848	CE; cURus

data with uncertainty of 15% * U = RAL 7035 R = RAL 7032 N = RAL 9005

FPF12KUGC-110

EMC version without fan



FPF series exhaust filter and filter fans represents a side-mounted cooling solution with filtered ambient air to maintain optimum ventilation inside the electrical cabinets. These units have a flat external profile and a quick snap-on fastening system with elastic hooks. Available in different range of sizes, airflow ratings and configurations.

Technical data		
APPROVALS		
Approvals	CE; UKCA	
MECHANICAL DATA		
Mounting Wall Thickness	1.5-2.2	mm
	0.06-0.09	in
GENERIC DATA		
Spare Parts Filter Media	M12FPF-EU3	
RAL Number	7035	
Filter Class	G3	EN 779
Filter Class	ISO coarse 55%	ISO 16890
Filter Material	thermo-linked progressive structure synthetic fibre	
ENVIRONMENTAL AND THERMAL DATA		
IP Protection Degree	IP54	
Operating Temperature	-10÷60	°C
	14÷140	°F
Storage Temperature	-40÷70	°C
	-40÷158	°F

FPF12KUGC-110

EMC version without fan

