

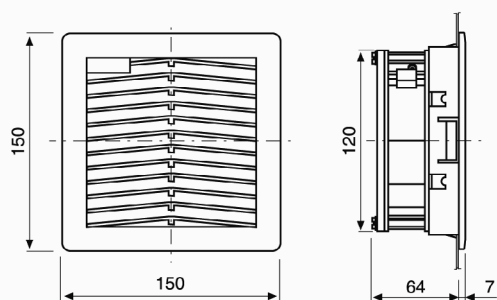
## "FPF12K" SERIES FAN FILTERS

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

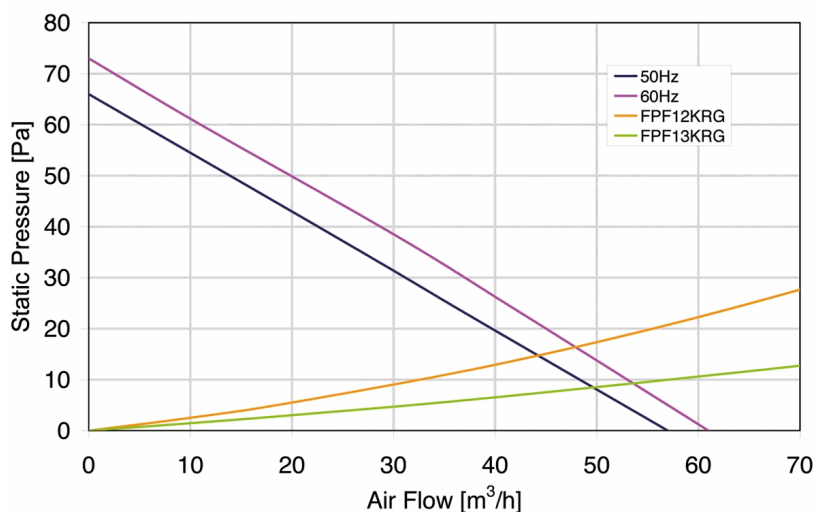
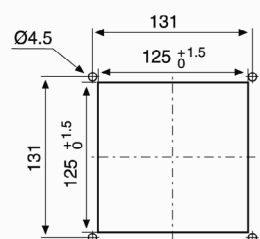


<b>Type of material:</b>	ABS/PC alloy
<b>Standard color:</b>	RAL 7032, RAL 7035 and RAL 9005 - other colors on request
<b>Protection degree:</b>	IP54, according to EN 60529 Std; Type 12, according to UL 508 Std
<b>Fixing system:</b>	by elastic hooks, otherwise by four 4.8 mm self-threading screws
<b>Plate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

### technical drawing



### mounting cut-out



Model	Voltage	Frequency	Rated Current	Rated Power	Max Air Flow**	Static Pressure	Fan Noise	Rated Temp. Range	Approvals
	(V)	(Hz)	(A)	(W)	(m3/h)	(Pa)	[db(A)]	(°C)	
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/m<sup>2</sup>

**Note:**

filter media is washable for about 10 times

**Weight:**

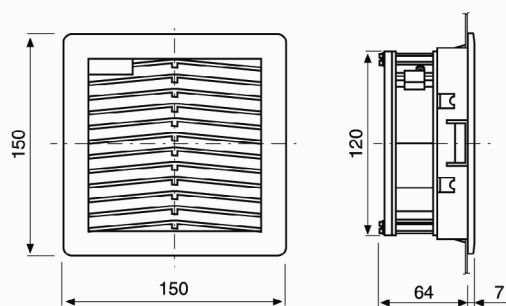
0.5 Kg

**Approvals:**

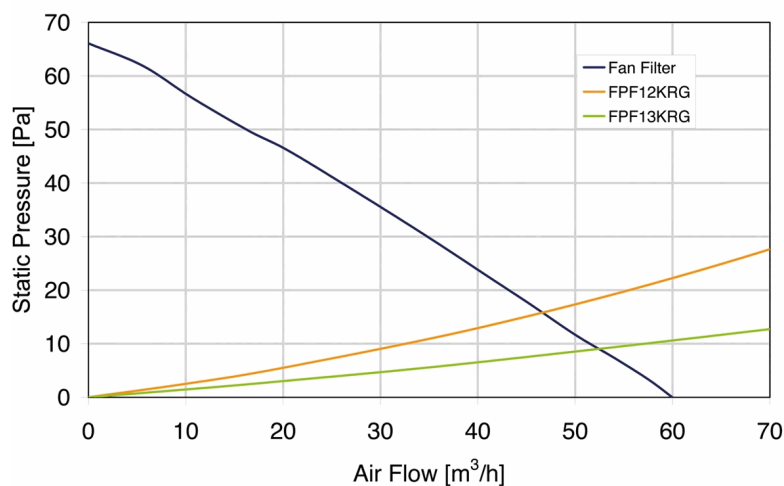
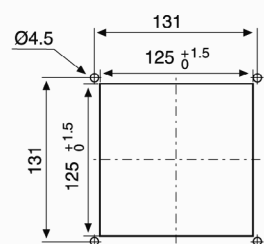
CE, UL E237844



### technical drawing



### mounting cut-out



Model	Voltage	Frequency	Rated Current	Rated Power	Max Air Flow**	Static Pressure	Fan Noise	Rated Temp. Range	Approvals
	(V)	(Hz)	(A)	(W)	(m3/h)	(Pa)	[db(A)]	(°C)	
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	m³/h
	35	CFM
Max Static Pressure	66	Pa
	0.26	in H2O
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  
Type 12, according to UL 508 standard

**Fixing system:**

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/m<sup>2</sup>

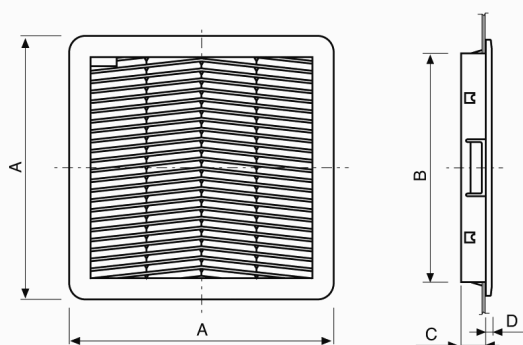
**Note:**

filter media is washable for about 10 times

**Approvals:**

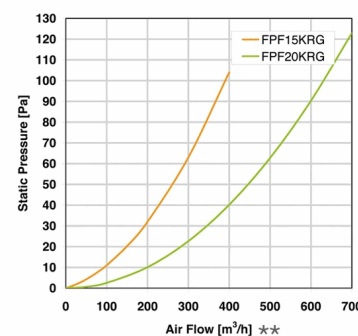
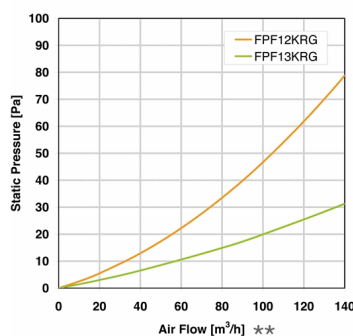
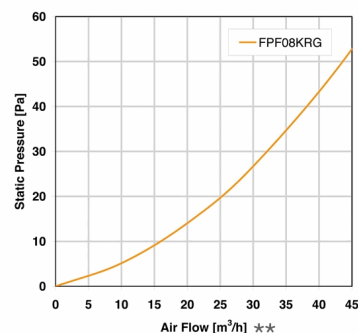
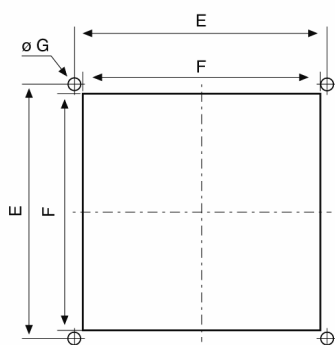
CE; UL E237844

## technical drawing



IP 54

## mounting cut-out



Model	A	B	C	D	E	F	G	Cross section free without media	Weight	Approvals
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(cm <sup>2</sup> )	(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

