


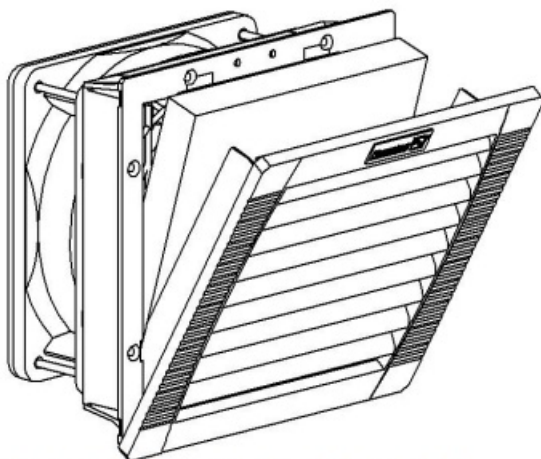


Pfannenberg PF67000T12LGSL2 Controller Enclosure Filter Fan Instruction Manual

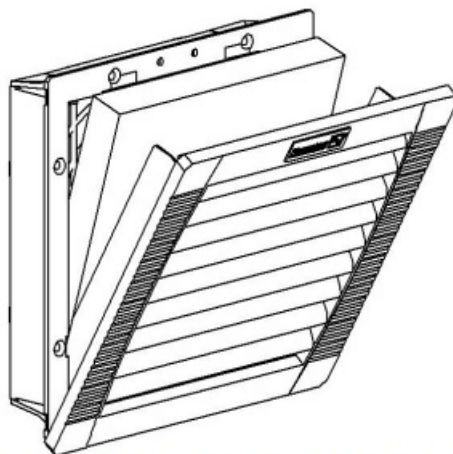
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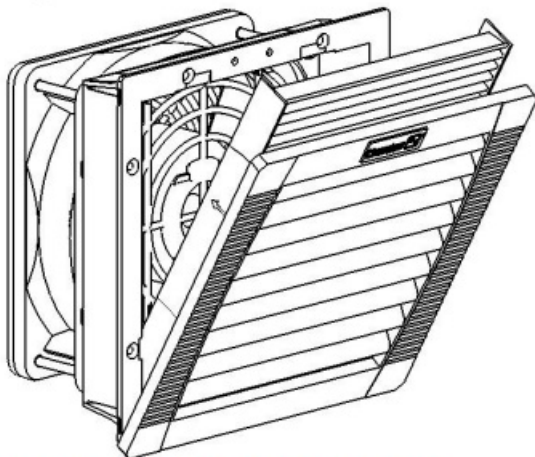
Pfannenberg Filterfan 4th Generation
Installation- and operating instructions



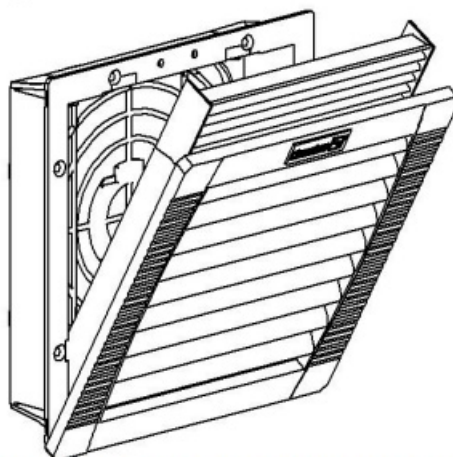
IP54/ TYPE 12 PF/ PF EMC



IP54/ TYPE 12 PFA/ PFA EMC



IP55/ TYPE 12 PF/ PF EMC



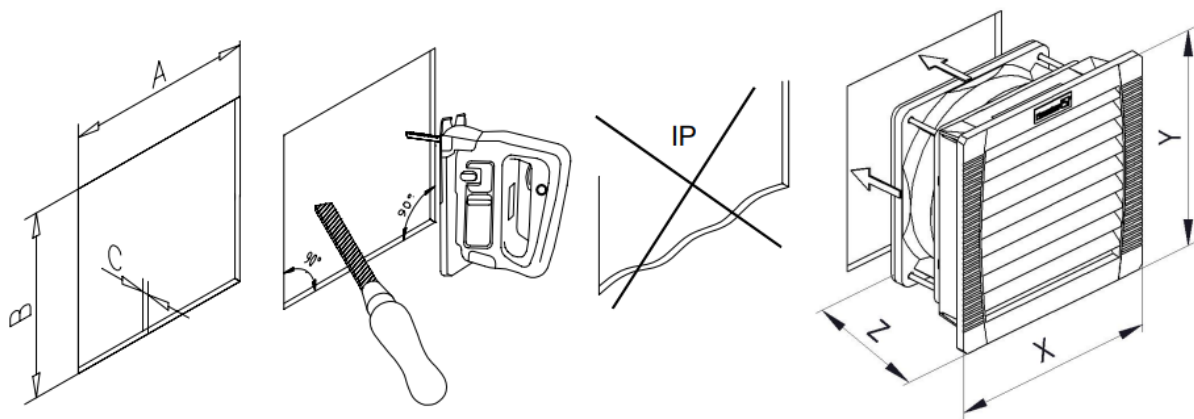
IP55/ TYPE 12 PFA/ PFA EMC



Read and save this instruction.

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Cut outs and dimensions



 		A = B mm(inch)		X = Y mm(inch)	Z mm(inch)		
		Standard	EMC		PF		PFA
		$C \leq 2(0,08") = A \begin{smallmatrix} +1(0,04") \\ 0 \end{smallmatrix}$	$\pm 0,5 (0,02")$		DC	AC	
		$C > 2(0,08") \leq 3(0,12") = A \begin{smallmatrix} +2(0,08") \\ +1(0,04") \end{smallmatrix}$					
PF 11000	PFA 10000	92(3 ⁵ / ₈ ")	93(3 ²¹ / ₃₂ ")	109(4 ¹⁹ / ₆₄ ")	53(2 ³ / ₃₂ ")	66(2 ¹⁹ / ₃₂ ")	23(2 ²⁹ / ₃₂ ")
PF 22000	PFA 20000	125(4 ⁵⁹ / ₆₄ ")	126,5(4 ⁶³ / ₆₄ ")	145(5 ⁴⁵ / ₆₄ ")	69(2 ²³ / ₃₂ ")	75(2 ⁶¹ / ₆₄ ")	31(1 ⁷ / ₃₂ ")
PF 32000	PFA 30000	177(6 ³¹ / ₃₂ ")	178 (7")	202(7 ⁶¹ / ₆₄ ")	87(3 ²⁷ / ₆₄ ")	93(3 ⁴³ / ₆₄ ")	40(1 ³⁷ / ₆₄ ")
PF 42500	PFA 40000	223(8 ²⁵ / ₃₂ ")	224(8 ⁵³ / ₆₄ ")	252(9 ⁵⁹ / ₆₄ ")	103(4 ¹ / ₁₆ ")		44(1 ⁴⁷ / ₆₄ ")
PF 43000					103(4 ¹ / ₁₆ ")	119(4 ¹¹ / ₁₆ ")	
PF 65000	PFA 60000	291(11 ²⁹ / ₆₄ ")	292(11 ¹ / ₂ ")	320(12 ¹⁹ / ₃₂ ")	157(6 ³ / ₁₆ ")		46(1 ¹³ / ₁₆ ")
PF 66000							
PF 67000							

CAUTION

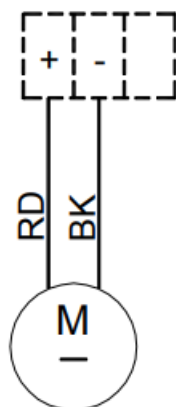
The degree of protection IP 54 / 55 cannot be guaranteed unless the correct installation position and a non-destroyed sealing are ensured.

EMC

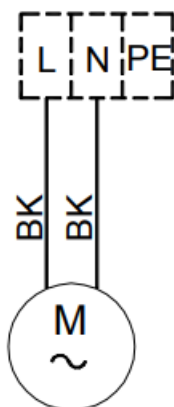
Function cannot be guaranteed unless there is a conductive connection between the EMC-shield and the mounting cut out

Power connection

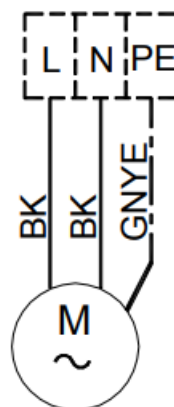
DC-12/24/48V



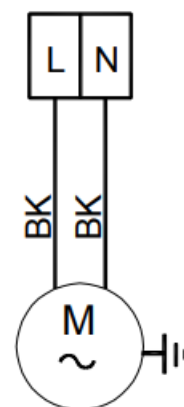
AC-24V



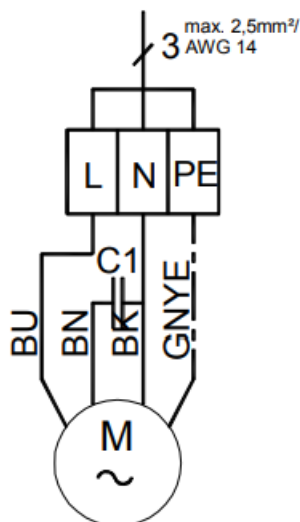
AC-230/115V



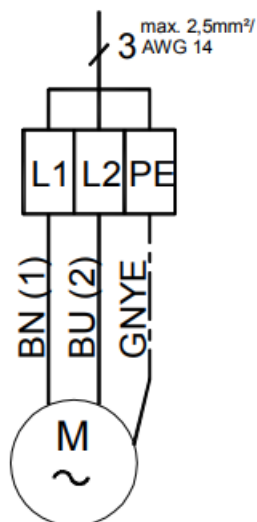
AC-230/115V



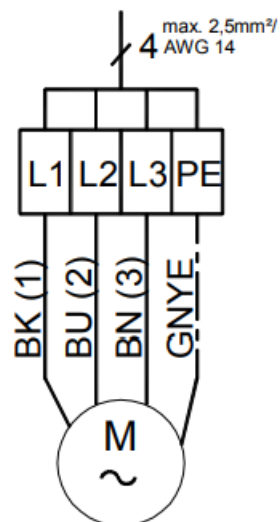
AC-230/115V



AC- 400V






AC- 400/460V





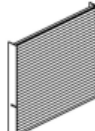
Minimum distance of 30,5cm (12") between arcing parts and filters (acc. UL508A sec. 22)

Technical data

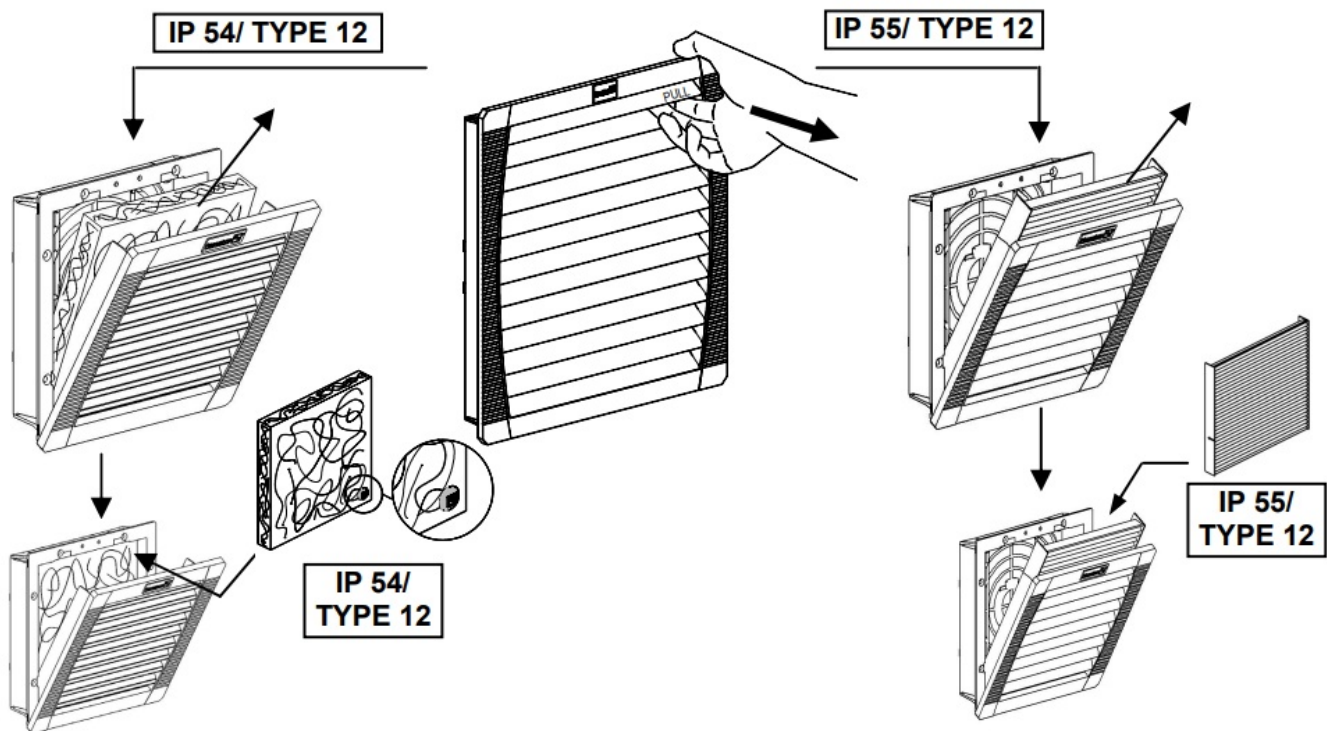
	U +/- DC	U ~ 50/60 Hz	P	I	 °C/°F		 Kg
	V	V	W	A			standard (EMC)
PF 11.000	12	--	2,4	0,2	-15.. + 55°C + 5.. +131°F	6A	0,16 (0,19)
PF 11.000	24	--	2,4	0,1			
PF 11.000	48	--	2,6	0,05			0,55 (0,58)
PF 11.000	--	24	12/11	0,5/0,5			
PF 11.000	--	115	12/11	0,15/0,15			
PF 11.000	--	230	12/11	0,07/0,06			
PF22.000	12	--	5	0,42	-15.. + 55°C + 5.. +131°F	6A	0,44 (0,49)
PF22.000	24	--	5	0,21			
PF22.000	48	--	5	0,1			0,7 (0,76)
PF22.000	--	24	20/20	1,05/1,02			
PF22.000	--	115	20/20	0,235/0,23			
PF22.000	--	230	19/18	0,12/0,18			
PF 32.000	12	--	5	0,42	-15.. + 55°C + 5.. +131°F	6A	0,61 (0,7)
PF 32.000	24	--	5	0,21			
PF 32.000	48	--	5	0,1			0,87 (0,96)
PF 32.000	--	115	20/20	0,235/0,23			
PF 32.000	--	230	19/18	0,12/0,18			
PF 42.500	12	--	6	0,5	-15.. + 55°C + 5.. +131°F	6A	0,92 (1,08)
PF 42.500	24	--	4,7	0,2			
PF 42.500	48	--	4,6	0,1			1,18 (1,34)
PF 42.500	--	115	18/17	0,25/0,25			
PF 42.500	--	230	18/17	0,12/0,1			
PF 43.000	12	--	12	1	-15.. + 55°C + 5.. +131°F	6A	1,51 (1,77)
PF 43.000	24	--	12	0,5			
PF 43.000	48	--	12	0,25			1,67 (1,83)
PF 43.000	--	115	40/40	0,5/0,5			
PF 43.000	--	230	45/39	0,32/0,26			
PF 43.000	--	400	41/38	0,13/0,13			
PF 65.000	--	115	75/90	0,66/0,8	-15.. + 55°C + 5.. +131°F	6A	3,2 (3,43)
PF 65.000	--	230	65/80	0,3/0,36			
PF 66.000	--	115	110/160	0,96/1,4	-15.. + 55°C + 5.. +131°F	6A	3,2 (3,43)
PF 66.000	--	230	115/150	0,51/0,66			
PF 66.000	--	400/460	120/155	0,26/0,25			
PF 67.000	--	115	140/195	1,23/1,71	-15.. + 55°C + 5.. +131°F	6A	3,7 (3,93)
PF 67.000	--	230	135/215	0,59/1			
PF 67.000	--	400/460	140/170	0,35/0,425			
PFA 10.000	--	--	--	--	-15.. + 55°C + 5.. +131°F	--	0,06 (0,09)
PFA 20.000							0,12 (0,18)
PFA 30.000							0,26 (0,35)
PFA 40.000							0,46 (0,62)
PFA 60.000							0,7 (0,93)

Ordering spare parts

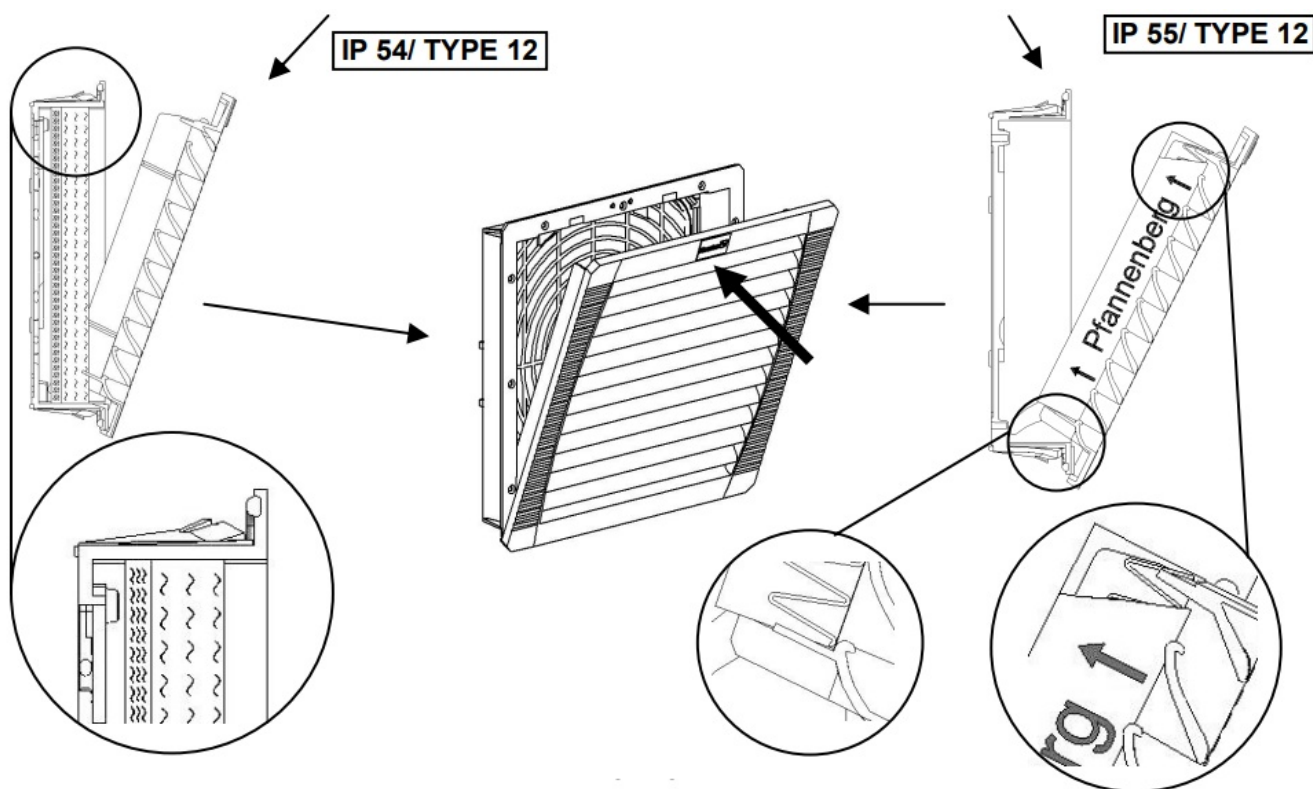
www.filterfan.com · spareparts@pfannenbergl.com

	U +/- DC	U ~ 50/60 Hz		IP54/ TYPE 12  5x	IP 55/ TYPE 12  5x
PF 11.000	12V	-	18611000036	18611600029	--
	24V	-	18611000039		
	48V	-	18611000042		
	-	24V	18611000005		
	-	115V	18611000028		
	-	230V	18611000032		
PFA 10.000	--	--	--		
PF 22.000	12V	-	18611000025	18611600030	18611600034
	24V	-	18611000026		
	48V	-	18611000027		
	-	24V	18611000006		
	-	115V	18611000009		
	-	230V	18611000016		
PFA 20.000	--	--	--		
PF 32.000	12V	-	18611000025	18611600031	18611600035
	24V	-	18611000026		
	48V	-	18611000027		
	-	24V	18611000006		
	-	115V	18611000009		
	-	230V	18611000016		
PFA 30.000	--	--	--		
PF 42.500	12V	-	18611000037	18611600032	18611600036
	24V	-	18611000040		
	48V	-	18611000054		
	-	115V	18611000029		
	-	230V	18611000033		
PF 43.000	12V	-	18611000055		
	24V	-	18611000056		
	48V	-	18611000057		
	-	115V	18611000012		
	-	230V	18611000019		
	-	400V	18611000022		
PFA 40.000	--	--	--		
PF 65.000	-	115V	18611000047	18611600033	18611600037
	-	230V	18611000044		
PF 66.000	-	115V	18611000048		
	-	230V	18611000045		
	-	400/460V	18611000050		
PF 67.000	-	115V	18611000049		
	-	230V	18611000046		
	-	400/460V	18611000051		
PFA 60.000	--	--	--		

Filter change/Maintenance

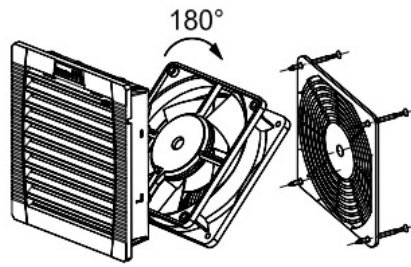


IP 54/55/TYPE 12: Make sure that the filter is installed in the proper position.

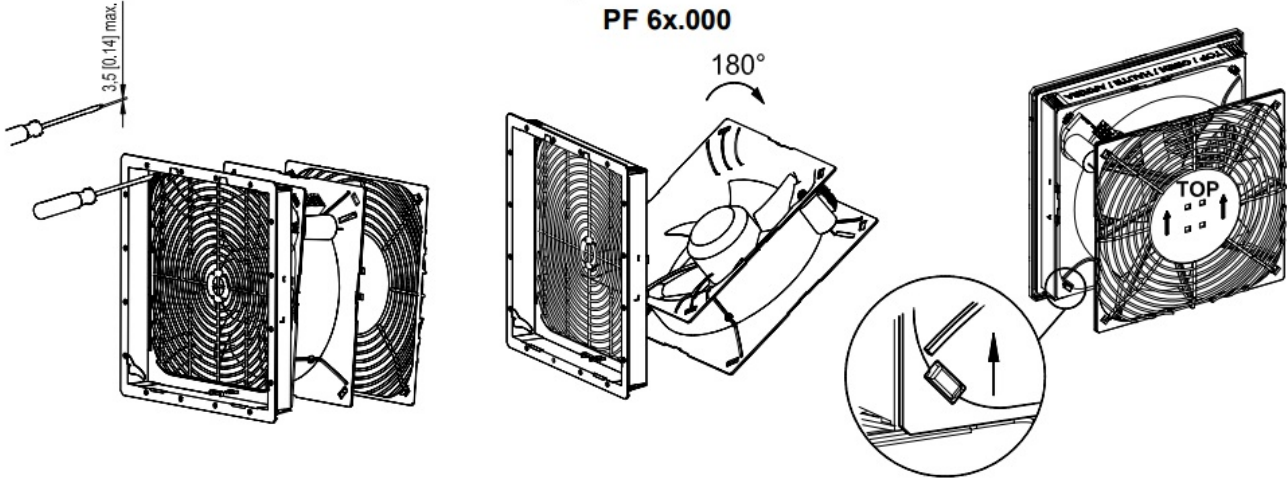


Changing the air flow direction

PF 1x.000 – PF 4x.000



PF 6x.000



Warranty and licenses are limited to original Pfannenberger spare parts and become void if other spare parts are used. Furthermore, ingress protection and capacity levels are no longer ensured if original Pfannenberger spare parts are not used.

Declaration of Conformity

- Electromagnetic compatibility 89/336/EEC
- Low-voltage 73/23/EEC Die Gerais / The devices:

Manufacturer: GmbH

Product Filter Fan

Type: PF 11.000:

PF 22.000: PF 32.000: PF 42.500: PF 43.000: PF 65.000: PF 66.000: PF 67.000: 12V DC, 24V DC, 48V DC, 24V AC, 115V AC), 230V AC, 12V DC, 24V DC, 48V DC, 24V AC, 115V AC'), 230V AC') 12V DC, 24V DC, 48V DC, 24V AC, 115V AC'), 230V AC') 12V DC, 24V DC, 4W DC, 115V AC'), 230V AC') 12V DC, 24V DC, 48V DC, 115V AC'), 230V AC'), 400 AC') 11W AC'), 230V AC') 115V AC'), 230V AC'), 400V AC') 115V AC'), 230V AC'), 400V AC')

Low voltage directive

were developed, designed and manufactured to comply with the above-mentioned EC directives, under the sole responsibility of: Pfannenberger GmbH Werner-Witt-Str. 1 D-21035 Hamburg

The following harmonized standards were applicable :

- Teil 2: Technische (ISO 12100-2:2003);
Part 2: Technical principles

Household and similar electrical appliances – Safety – **Part 2-80:** Particular requirements for fans

- Electromagnetic compatibility (EMC), Generic standards: Immunity for industrial environments
- DIN EN 61000-6-3 (2001)

Electromagnetic compatibility (EMC), Generic standards: Emission standard for residential

- Degrees of protection provided by enclosures (IP code)
- IEC standard voltages

The following standards, guidelines and specifications were applicable at national level:

- Accident prevention regulation for electrical systems and machinery
- German law – covering equipment and product safety

The manufacturer is in possession of the technical documentation, the installation/operation instruction is attached to the device. The safety references are to be considered. This explanation certifies the agreement with the guidelines mentioned.

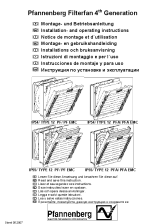
Nils P. Halm

Hamburg, 22.09.2006 Rev.Nº:01

Nils Halm Technischer Leiter / Technical Director

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Documents / Resources

	<p>Pfannenberg PF67000T12LGSL2 Controller Enclosure Filter Fan [pdf] Instruction Manual PF67000T12LGSL2 Controller Enclosure Filter Fan, PF67000T12LGSL2, Controller Enclosure Filter Fan, Enclosure Filter Fan, Filter Fan</p>
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References

- [Klimatisierung - PfannenberG](#)