

TYPE 3R filter fans

Protecting enclosures in outdoor applications

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Fandis
colors of engineering

virdis
filter fans

TYPE 3R filter

The need for temperature control

In today's control cabinets, thermal management takes on a greater importance to ensure reliable performance. Filter fans placement is a forced-air solution to maintain an optimum climate in enclosures, avoiding costly downtime and system failures.

Shielded outdoor installation

Fandis Type 3R filter fans are specifically designed to meet the outdoor location needs and provide a degree of protection for the enclosure and the internal electrical control components from falling dirt, dust, rain, sleet and from damage caused by the formation of ice.

The application rated 3R design includes durable plastic construction that allows direct sunlight or water exposure without the risk of premature aging.

The **standard protection degree is IP55**, except for the FF08 size (107x107mm) that is available only rated IP54.





FF series filter fans Type 3R

Model	Dimensions HxWxD	Cut-Out	Rated Voltage	Rated Power (50/60Hz)	Max air flow (50/60Hz)	Static Pressure (50/60Hz)	Approvals
	mm	mm	V	W	m³/h	Pa	
IP54	FF08A115NN3	107x107x67	115 V a.c.	9.0/7.0	12/15	23/33	CE; cURus; cULus;
	FF08A230NN3	107x107x67	230 V a.c.	10/8.0	12/15	23/33	CE; cURus; cULus;
	FF08D12NN3	107x107x54	12 V d.c.	2.0	16	28	CE; cURus; cULus;
	FF08D24NN3	107x107x54	24 V d.c.	2.0	16	28	CE; cURus; cULus;
	FF08GA115NF3	107x107x80	115 V a.c.	12/10	21/26	40/55	CE; cURus; cULus;
	FF08GA230NF3	107x107x80	230 V a.c.	12/11	21/26	40/55	CE; cURus; cULus;
	FF08GD24NN3	107x107x77	24 V d.c.	15	50	160	CE; cURus; cULus;
*	FF12A115NF53	150x150x73	115 V a.c.	16/15	33/39	49/55	CE; cURus; cULus;
	FF12A115NN53	150x150x73	115 V a.c.	19/17	50/59	67/82	CE; cURus; cULus;
	FF12A230NF53	150x150x73	230 V a.c.	18/17	33/39	49/55	CE; cURus; cULus;
	FF12A230NN53	150x150x73	230 V a.c.	18/16	50/59	67/82	CE; cURus; cULus;
	FF12D24NN53	150x150x73	24 V d.c.	7.4	35	53	CE; UR; cULus;
	FF12D48NN53	150x150x73	48 V d.c.	8.6	35	53	CE; UR; cULus;
	FF13PA115NF53	204x204x96	115 V a.c.	18/18	75/87	50/50	CE; cURus; cULus;
	FF13PA115NN53	204x204x96	115 V a.c.	16/15	90/110	75/95	CE; cURus; cULus;
	FF13PA230NF53	204x204x96	230 V a.c.	18/18	75/87	50/50	CE; cURus; cULus;
	FF13PA230NN53	204x204x96	230 V a.c.	19/17	90/110	75/95	CE; cURus; cULus;
*	FF13PD24NN53	204x204x95	24 V d.c.	8.2	85	52	CE; UR; cULus;
	FF15A115NF53	250x250x124	115 V a.c.	31/31	160/195	97/130	CE; cURus; cULus;
	FF15A115NN532	250x250x112	115 V a.c.	39/41	187/225	94/121	CE; cURus; cULus;
	FF15A230NF53	250x250x124	230 V a.c.	32/36	160/195	97/130	CE; cURus; cULus;
	FF15A230NN532	250x250x112	230 V a.c.	42/45	187/225	105/139	CE; cURus; cULus;
	FF15D24NF53	250x250x125	24 V d.c.	31	230	150	CE; cURus; cULus;
	FF15D24NN53	250x250x125	24 V d.c.	17	205	97	CE; UR; cULus;
	FF15PA115NF53	250x250x112	115 V a.c.	17/16	96/110	49/52	CE; cURus; cULus;
	FF15PA230NF53	250x250x112	230 V a.c.	18/17	96/110	49/52	CE; cURus; cULus;
	FF15PD24NN53	250x250x112	24 V d.c.	7.6	110	50	CE; UR; cULus;
	FF15PD48NN53	250x250x112	48 V d.c.	8.6	110	50	CE; UR; cULus;
	FF20A115NE531	325x325x160	115 V a.c.	74/83	338/378	98/107	CE; cURus; cULus;
	FF20A230NE531	325x325x160	230 V a.c.	70/85	360/400	112/126	CE; cURus; cULus;
	FF20GA115NE31	325x325x159	115 V a.c.	110/156	675/738	183/170	CE; cURus; cULus;
	FF20GA230NE31	325x325x159	230 V a.c.	120/158	680/765	200/210	CE; cURus; cULus;

* Models available on request

FF series Type 3R exhaust filters



	Model	Dimensions HxWxD	Cut-Out	Approvals
		mm	mm	
IP54	FF08N3	107x107x23	92x92	CE; cURus; cULus;
	FF12N53	150x150x29	125x125	CE; cURus; cULus;
	FF13N53	204x204x30	177x177	CE; cURus; cULus;
	FF15N53	250x250x34	223x223	CE; cURus; cULus;
	FF20N53	325x325x34	291x291	CE; cURus; cULus;

Operation and aesthetics insured

The FF series of exhaust filters and filter fans are suitable to preserve the integrity of components inside an electrical cabinet for outdoor use, and ensure greater resistance to degradation due to environmental factors.

The main **benefits of the FF filter fans Type 3R** are:



waterproof



UV-resistant



IP55 standard
protection degree



quick tool-less mounting system with
clips for 1mm to 3.7mm thick plates



plastics construction against
atmospheric deterioration



RAL 9005

OTHER OUTDOOR SOLUTIONS (IP56)

Hose-proof protection hoods

NEW

STAINLESS STEEL MRH SERIES Particularly suitable for outdoor applications or in the food industry. It protects against splashes of liquids and solid foreign objects. Protected against corrosion.

- **AISI 304** stainless steel brushed finish and slide mounting system
- Sanitary FDA compliant silicon gaskets to detect contamination
- Removable rain hood for easy maintenance and replacement of filter without tools
- UL approved only using FF filter fans

Model	Suitable for filters
MRH08S01	FF08
MRH12S01	FF12
MRH13S01	FF13
MRH15S01	FF15
MRH20S01	FF20



PATENTED

NEW

RAL 7035 MRH SERIES It protects against splashes of liquids and solid foreign objects. Suitable also for outdoor applications.

- Cover in powder coated **RAL 7035** and slide mounting system
- Removable rain hood for easy maintenance and replacement of filter without tools
- UL approved only using FF filter fans

Model	Suitable for filters
MRH08MU1	FF08
MRH12MU1	FF12
MRH13MU1	FF13
MRH15MU1	FF15
MRH20MU1	FF20



PATENTED

STAINLESS STEEL SSC SERIES Protects against powerful water jets and solid foreign objects and it is easily washable.

- **AISI 304** stainless steel cover of 1mm with slide mounting system on bracket
- Stainless steel bracket of 0.5mm to apply without screws between base and clips

Model	Suitable for filters
SSC-08	FF08
SSC-12	FF12, GF12
SSC-13	FF13
SSC-15	FF15, GF15
SSC-20	FF20, GF20



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