

# Filter Fan Kits



## Applications

- Most innovative technology for fan cooling and pressurizing of industrial enclosures.
- Provides a high quality, economical method of cooling enclosures
- Filtered passive ventilation can be provided by an exhaust filter for either convection cooling or in combination with a fan in forced air cooling
- Slim line design allows grille to protrude from enclosure surface less than one quarter inch
- Maintains aesthetics of enclosure

## Features

- All models are 115V with an expected service life of 30,000 hours
- High-performance fan motors and finger guards
- Polycarbonate fire retardant plastic grilles, UL94-VO
- Durable, reusable filter mat included
- Patented “Click and Fit” system allows for rapid filter fan and exhaust filter installation without screws (This time-saving feature cuts installation time by up to 30 minutes when compared to traditional box fan packages)
- Cutout template provided with every unit
- Filter fan or exhaust filter simply snaps into cutout opening
- Connector type: WPF10 Series 2 has 12-inch wires. WPF20-WPF60 Series has terminal strip.

## Standards

- cUL Recognized/CSA fan motor
- NEMA 1 (NEMA 12 with optional WPFG series gasket)
- IP43 (IP54 with optional WPFG Series gasket)

## Accessories

- Gaskets (WPFG Series) recommended if installing on enclosure with textured finish
- Replacement Filters (WPFM Series)



Part Number	Price	Amps at 50/60 Hz	Rated Voltage	Power Consumption at 50/60 Hz	Free Flow Air Delivery (CFM) <sup>1</sup>	Air Delivery with Exhaust (CFM) <sup>1</sup>	Max. Static Press. (PA)	Ambient Temp. Degree F Max/Min	Filter Density (G/M2)	Filtering Level	Sound Level (dB)	Required Cutout Sizes
<b>WPF10-115BK</b>	\$194.00	0.15/0.15	115V	12/12 Watts	16	10	29	140/14	150	67%	39	3.62x3.62 (92x92)
<b>WPF20-115BK</b>	\$250.00	0.25/0.25	115V	19/19 Watts	38	28	69	122/14	350	83%	49	4.92x4.92 (125x125)
<b>WPF25-115BK</b>	\$342.00	0.25/0.25	115V	18/18 Watts	89	62	57	122/14	350	83%	53	8.78x8.78 (223x223)
<b>WPF30-115BK</b>	\$435.00	0.5/0.5	115V	43/44 Watts	169	142	89	122/14	350	83%	55	8.78x8.78 (223x223)
<b>WPF50-115BK<sup>2</sup></b>	\$461.00	0.6/0.7	115V	63/76 Watts	324	249	205	122/14	350	83%	69	11.46x11.46 (291x291)
<b>WPF60-115BK<sup>2</sup></b>	\$517.00	1.2/1.6	115V	122/173 Watts	410	295	225	122/14	350	83%	71	11.46x11.46 (291x291)

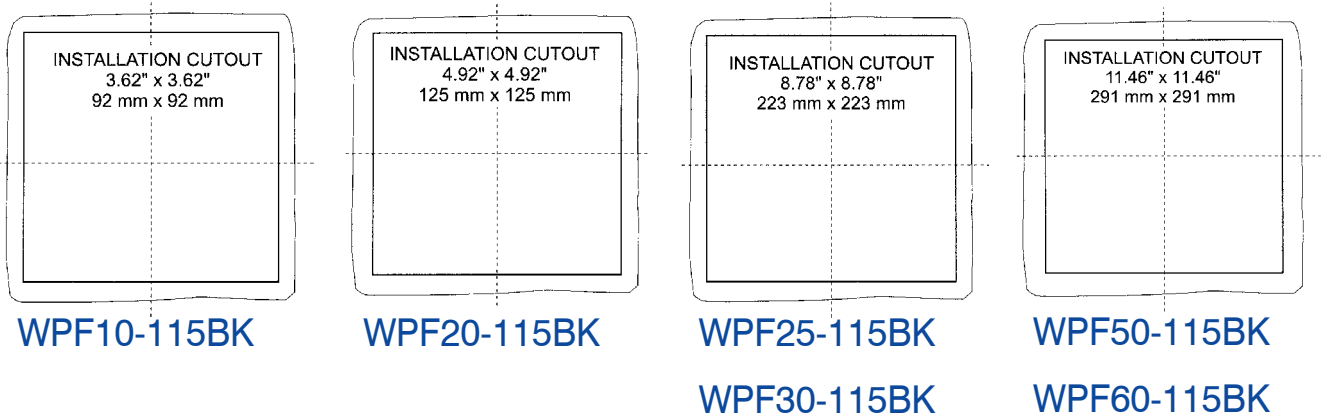
Note 1: For operation at 50Hz, reduce CFM by 15%.

Note 2: Intake fan use only  
Dimensions in inches (millimeters)

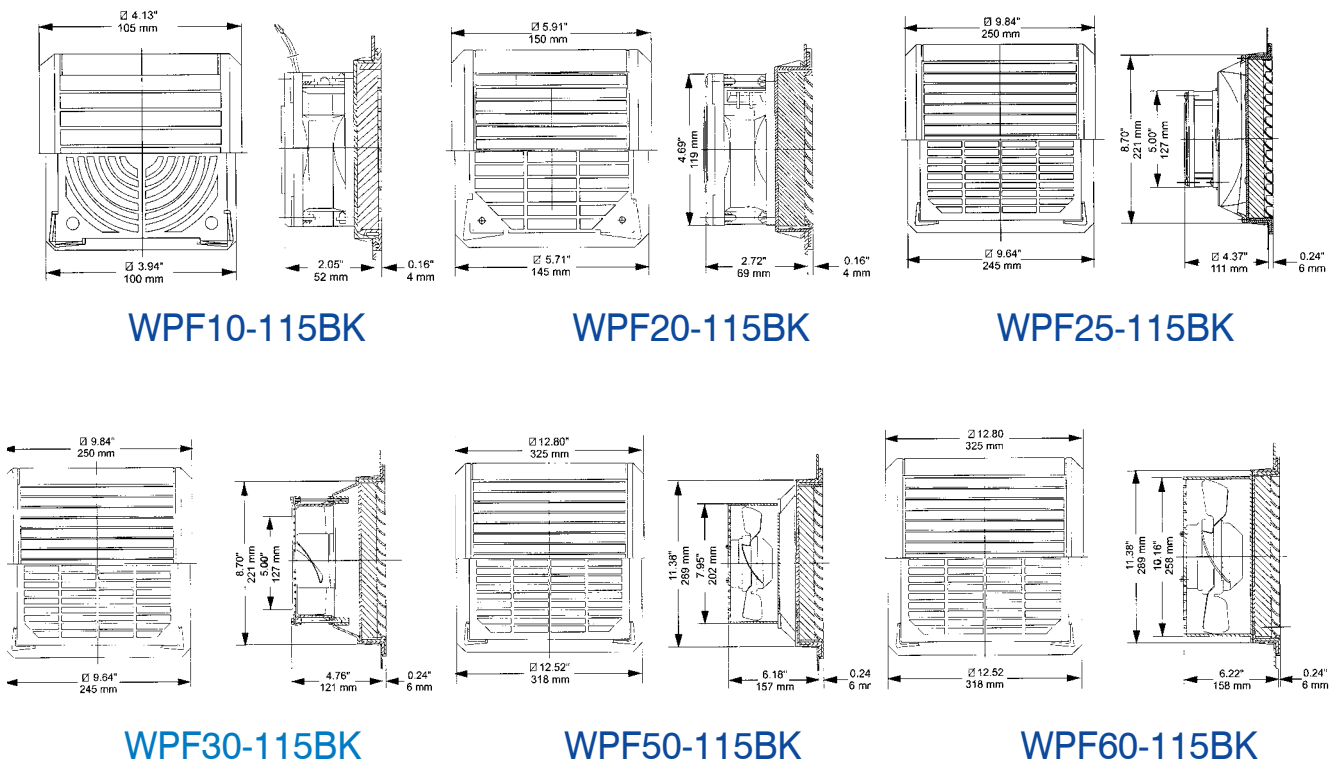
# Filter Fan Kit Cutouts and Dimensions



## Installation cutouts



## Dimensions



# Exhaust Grille and Filter Accessories



WPFA10BK

## Exhaust grille

### Features

- Polycarbonate fire retardant plastic grilles, UL94-VO
- Durable, reusable filter mat included

### Standards

- NEMA 1 (NEMA 12 with optional WPFG Series gasket)
- IP43 (IP54 with optional WPFG Series gasket)

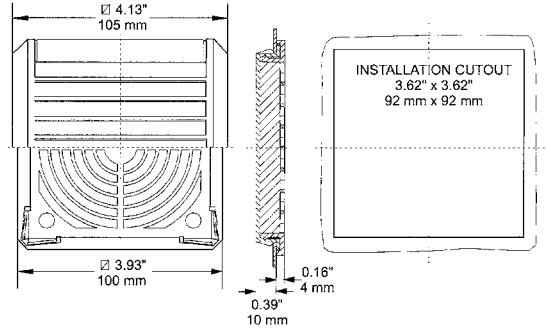
### Accessories

- Gaskets (WPFG Series) recommended if installing on enclosure with textured finish

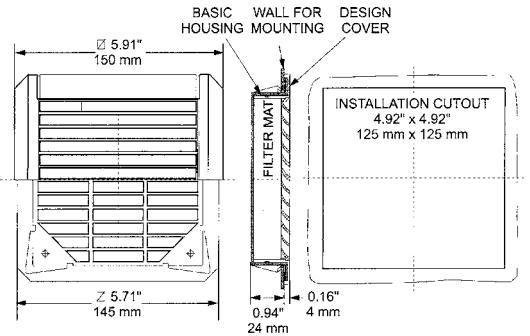
Part Number	Price	Filter Density (G/M2)	Mass Filter Level %	Required Cutout Dimensions
<b>WPFA10BK</b>	\$46.00	150	67%	3.62x3.62 (92x92)
<b>WPFA20BK</b>	\$65.00	350	83%	4.92x4.92 (125x125)
<b>WPFA25-30BK</b>	\$81.00	350	83%	8.78x8.78 (223x223)
<b>WPFA50-60BK</b>	\$87.00	350	83%	11.46x11.46 (291x291)

Dimensions in inches (millimeters)

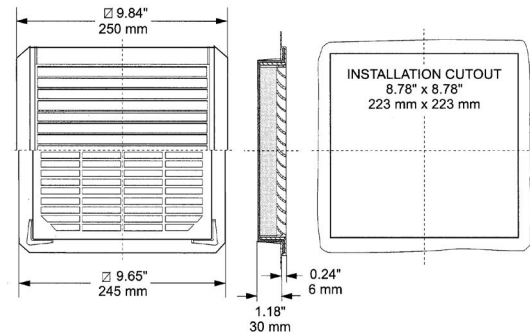
## WPFA10BK



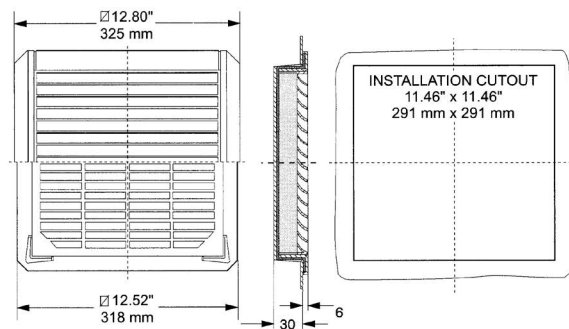
## WPFA20BK



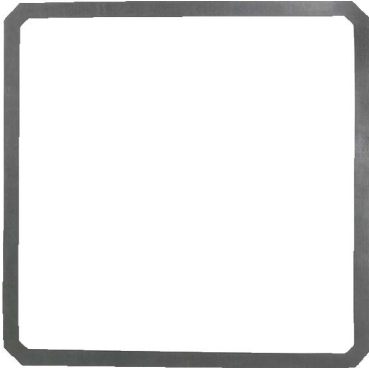
## WPFA25-30BK



## WPFA50-60BK



# Exhaust Grille and Filter Accessories



## Rubber gaskets for filter fans and exhaust grilles

### Features

- Packaged individually
- Provide added sealing protection between enclosure and fan housing
- Recommended when fans or exhaust grilles are installed on enclosures with textured finishes

### Standards

- Changes filterfan rating (WPF series) from NEMA 1 to NEMA 12 when installed

## Replacement filter mats

### Applications

- Replacement filter mats for WPF series filterfans and WPFA series exhaust grilles

### Features

- Made of washable synthetic fibers
- Reusable up to 20 times
- 100% resistant to humidity



Replacement Filter Mats							
Part Number	Price	Use With This Filterfan Kit Part Number	Price	Use With This Exhaust Grille and Filter Part Number	Price	Mass Filter Lever %	Dimensions HxW
<b>WPFM10</b>	\$17.50	WPF10-115BK	\$194.00	WPFA10BK	\$46.00	67	3.40x3.40 (85x85)
<b>WPFM20</b>	\$38.50	WPF20-115BK	\$250.00	WPFA20BK	\$65.00	83	4.50x4.50 (115x115)
<b>WPFM25-30</b>	\$32.50	WPF25-115BK	\$342.00	WPFA25-30BK	\$81.00	83	8.30x8.30 (210x210)
		WPF30-115BK	\$435.00				
<b>WPFM50-60</b>	\$48.00	WPF50-115BK	\$461.00	WPFA50-60BK	\$87.00	83	11x11 (280x280)
		WPF60-115BK	\$517.00				

Rubber Gaskets					
Part Number	Price	Use With Filterfan Kit Part Number	Price	Use With Exhaust Grille Part Number	Price
<b>WPFG10</b>	\$11.50	WPF10-115BK	\$194.00	WPFA10BK	\$46.00
<b>WPFG20</b>	\$17.50	WPF20-115BK	\$250.00	WPFA20BK	\$65.00
<b>WPFG25-30</b>	\$20.50	WPF25-115BK	\$342.00	WPFA25-30BK	\$81.00
		WPF30-115BK	\$435.00		
<b>WPFG50-60</b>	\$22.00	WPF50-115BK	\$461.00	WPFA50-60BK	\$87.00
		WPF60-115BK	\$517.00		

Enclosure Shipping Schedule		
Same day	1 - 7 days	1 -10 days
Color indicates shipping lead time in business days.		

# Industrial strength cooling options for your enclosure from AutomationDirect



## Filter Fan Kits

- Easy filter change
- Outer door lock for outdoor models
- Impact resistant
- Weather/UV resistant -f1
- Flammability Rating: UL94V-0
- No-screw installation - except outdoor models
- Low noise
- 120VAC and 24VDC models available

## Filter Fan Plus

- Easy filter change
- Hinged cover
- Impact resistant
- Weather/UV resistant-UL-f1
- Flammability Rating: UL94V-0
- No-screw installation - unique ratchet mechanism
- Low noise
- 120, 230VAC and 12, 24, 48VDC models available



## Fan Kits



- All models are 115V with an expected service life of 30,000 hours
- High-performance fan motors and finger guards
- Polycarbonate fire retardant plastic grilles, UL94-V0
- Durable, reusable filter mat included
- Patented "Click and Fit" system allows for rapid filter fan and exhaust filter installation without screws

# Industrial strength cooling options for your enclosure from AutomationDirect



## Heat Exchangers

- For NEMA 4 and 4X enclosures
- Closed loop cooling
- Energy efficient: uses approximately the same power as a filtered fan system
- 120VAC and 24VDC models available

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## Air Conditioning Units

- For NEMA 12, 4, 4X type enclosures
- Digital temperature controller
- Active condensate evaporation system
- High unit efficiency
- Tough industrial construction
- Compressor protection system



Made  
in the  
USA



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## Enclosure Vortex Coolers



- For NEMA 12, 4, 4X type enclosures
- Operates on compressed air
- Stainless steel construction
- No moving parts, no maintenance required
- Vortex coolers can be “resized” for changing applications by simply replacing the generator inside the cooler. No need to purchase a new unit
- Replacing the vortex generator takes minutes