

The background of the image is a blurred office space. On the left, there is a desk with a chair and a large window. On the right, a tall, black, rectangular storage unit or cabinet is visible, with the word 'BLADE' printed on its side. The floor is covered with a patterned carpet.

Product Information Catalogue

BLADE

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LEADERS IN INDOOR AIR QUALITY

Managing and improving indoor air quality in over 50 million square feet of building space across North America.



We are an industry-leading manufacturer of indoor air quality technology that meets the highest industry standards.

- We specialize in creating clean air environments for businesses and organizations across all industries.
- We're North American-made; we manufacture quality and durable technology with just-in-time production for fast lead times.

Independent third-party labs rigorously test our IAQ technology to ensure each solution is safe and effective. Everything we supply meets or exceeds industry standards, and each technology utilized is CDC and ASHRAE approved.



TAILORED SOLUTIONS

A product portfolio featuring client-customized solutions to meet your facilities' needs in a tailored manner.



GOVERNMENT TRUSTED

A trusted supplier and the preferred vendor of choice to the Canadian government for indoor air quality technology.



SCIENCE BACKED

All of our technology is independent, third party lab time tested to ensure efficacy and safety. CDC and ASHRAE approved.

THE BLADE DIFFERENCE

Air: Something we cannot see, but its impact cannot be missed. It's something that completely surrounds us, gives us life and controls our daily health and well-being.

At Blade, our goal has always been the same- to answer age-old questions about indoor air in a new, refreshing way.

We are transforming indoor air quality solutions and refreshing people's expectations for their air. With nationwide availability and local footprints throughout North America, we facilitate exceptional customer support to all clients.

Our comprehensive suite of IAQ technology allows us to provide both standard offerings and client-customized solutions to meet your facilities' needs in a tailored manner.

Available technologies include:

HEPA Air Purification: instantly deployable, portable air purification solution for indoor spaces without mechanical ventilation or are in need of supplementary ventilation.

UVC Air Sanitization: induct air sanitization solutions designed to fit seamlessly within any new or existing HVAC system.

Electrostatic Polarized Filters: enhanced indoor air quality while reducing energy consumption when compared to standard HVAC filters.

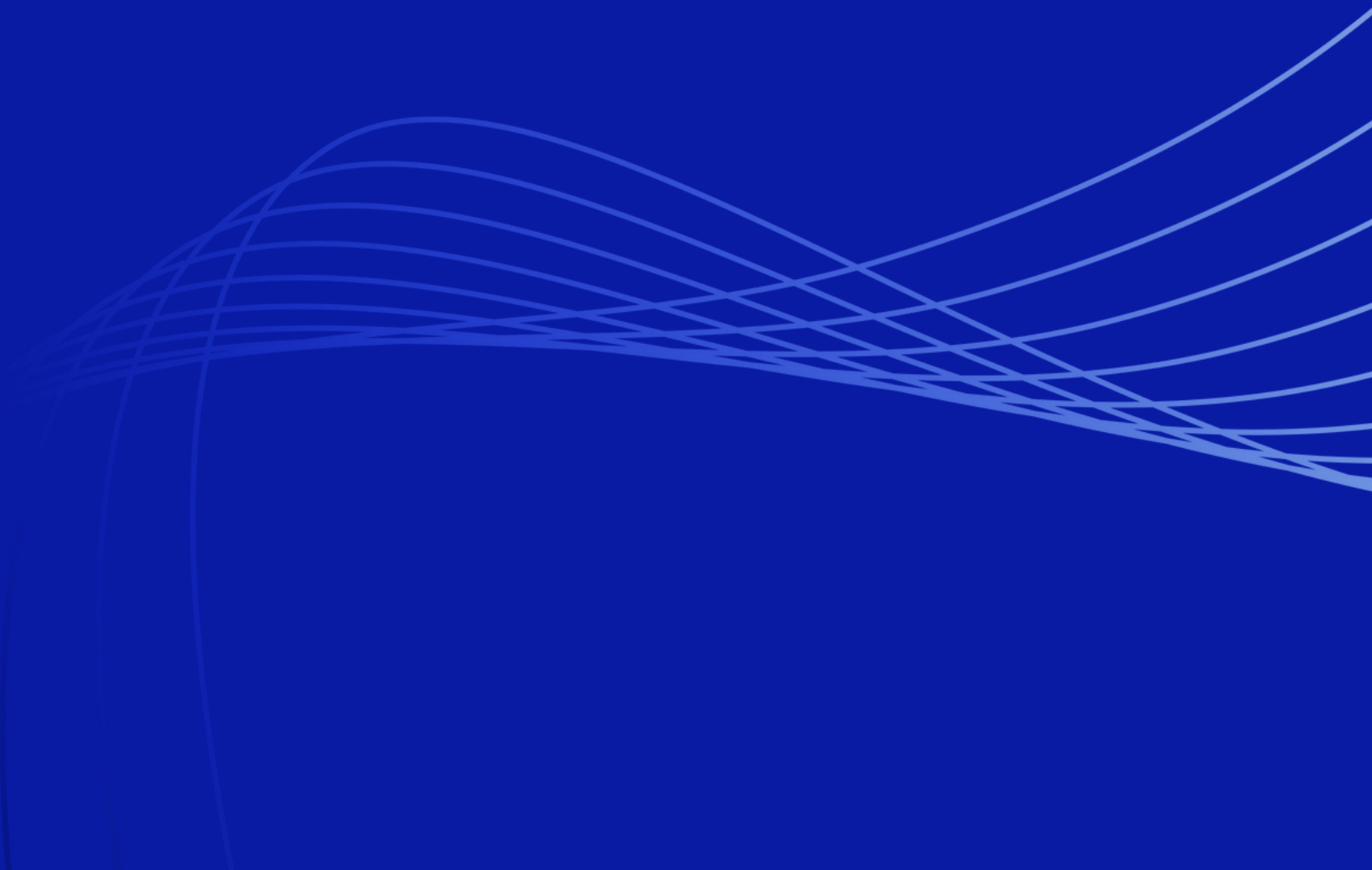
Zero Waste Carbon Filters: for odour and VOC mitigation, using a 100% replaceable design for fast maintenance and reduced cost.

Our goal is to have you challenge old assumptions about what's possible in air quality.

We want to pull the whole industry forward and invite you to join us.

HEPA AIR PURIFIER

HC FM-1



HEPA AIR PURIFIER

HCFM-1

Best-in-class HEPA Air Purifier. The ideal portable air quality solution for commercial spaces.

Featuring an industry-leading HEPA filter capturing 99.97% particles at 0.3 microns and a pleated activated carbon filter to absorb unwanted VOCs, odours, gasses, or chemicals.

KEY FEATURES

99.97% Capture of Particulates

Scientifically proven and third-party tested to capture harmful particles, airborne viruses, and bacteria.

Large Area Coverage

530 CFM Clean Air Delivery Rate. Combining high-power fan speeds and medical-grade filtration to clean the air in small-large indoor settings.

Mobile, Sleek, and Quiet

Plug and play solution, operating at a soft-moderate noise level with locking casters for ease of storage and mobility.

Reduce Staff and Client Anxiety

Providing a clean air environment by investing in protection and safety to instill staff peace of mind.

Increase Productivity and Mental Energy

Enhancing indoor air quality positively correlates to improved cognitive function, especially productivity levels.



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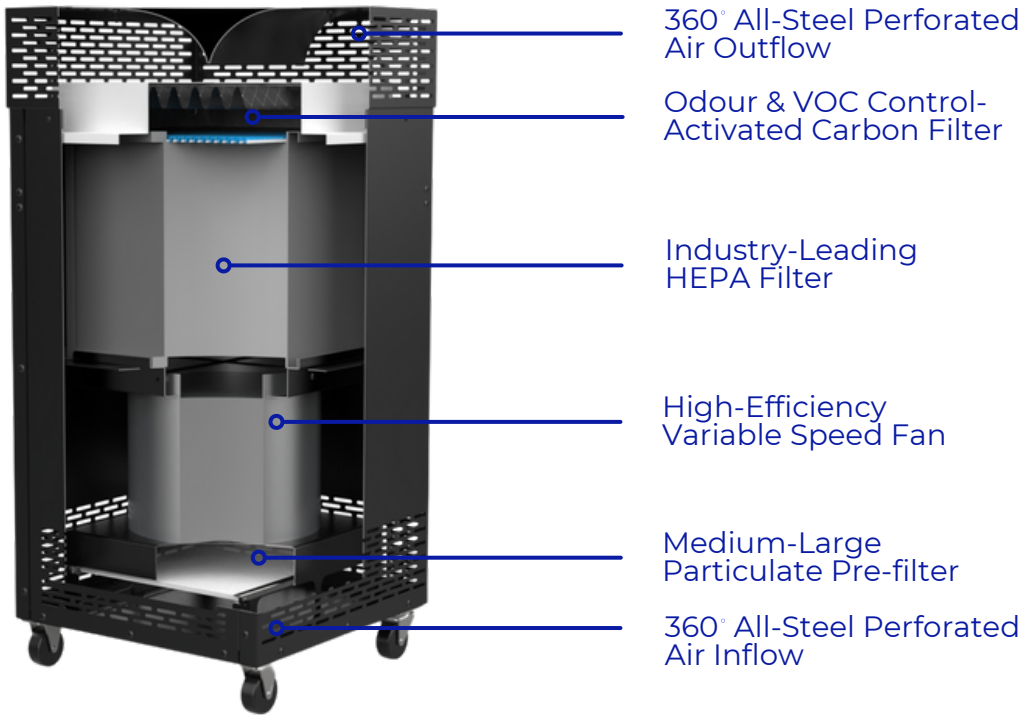
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HEPA AIR PURIFIER

HCFM-1



AIR EXCHANGES, VARIABLE SPEED SETTINGS AND SOUND PERFORMANCE



ROOM SIZE	AIR CHANGES PER HOUR	CFM REQUIRED	DECIBEL READING	AMBIENT DBA
PERSONAL OFFICE 88 sq. ft. (836 cu. ft.) Sample room ceiling height: 9.5ft.	5.6	78	45	42
	10	139	55	
	38	530	69.5	
MULTI-PERSON OFFICE 425 sq. ft. (3999 cu. ft.) Sample room ceiling height: 9.5ft.	2	133	45	42
	4	267	50.5	
	6	400	55	
COMMON AREA 1,500 sq. ft. (15,000 cu. ft.) Sample room ceiling height: 10ft.	1.86	465	60	45
	2.13	530	62	

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HEPA AIR PURIFIER

HCFM-1

TECHNICAL SPECIFICATIONS

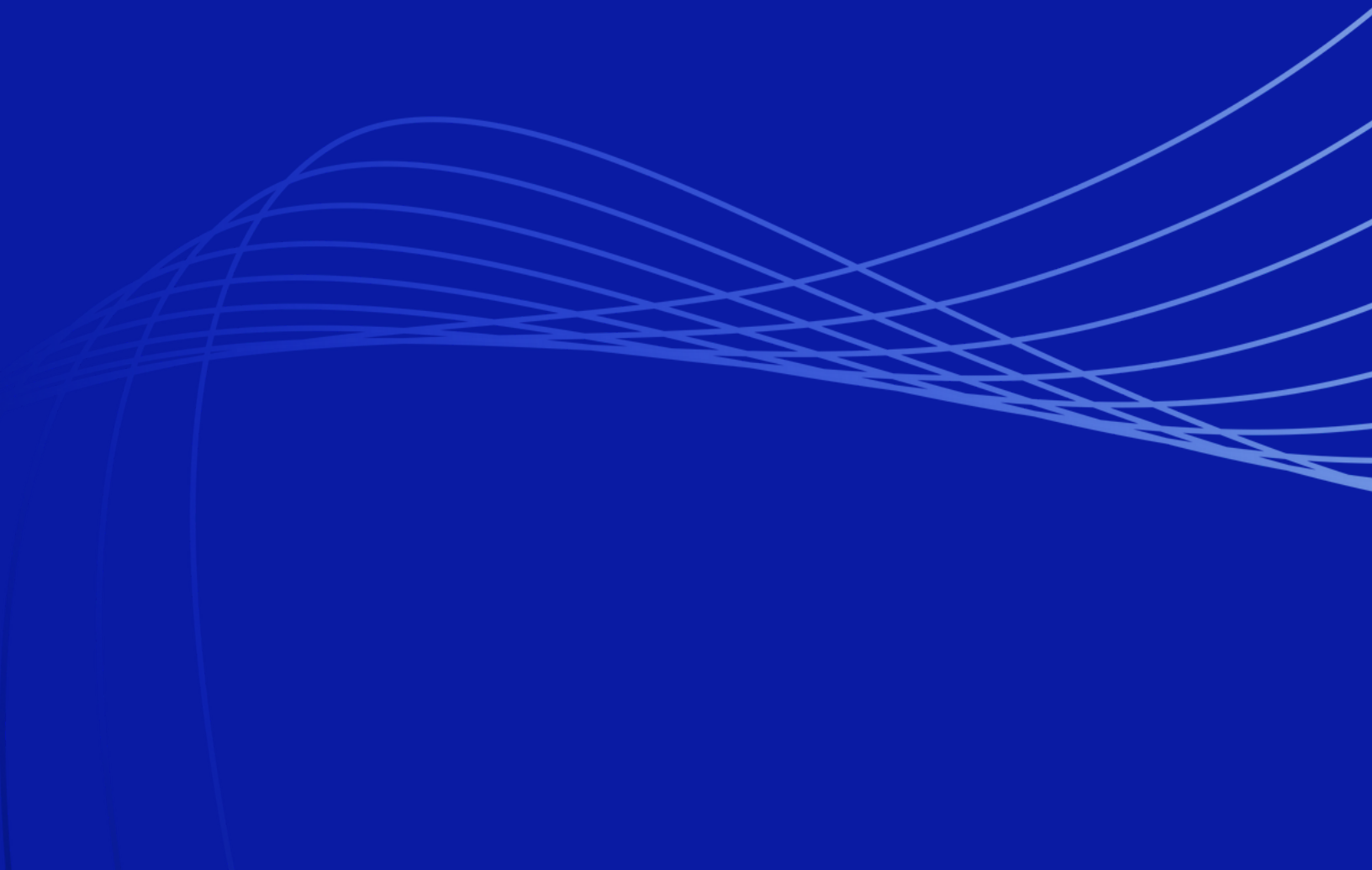
MODEL NUMBER	HCFM-1
CLEAN AIR DELIVERY RATE	80 - 530 CFM
FAN SPEED	1,019 CFM
PRIMARY FILTER	True HEPA 99.97% @0.3µm Third-party tested & validated
SECONDARY FILTERS	MERV-8 Prefilter Activated Carbon Filter
DIMENSIONS	16" x 36.5" x 16" (3 ft tall)
WEIGHT	50lbs (20kg)
CONTROLS	Variable Fan Speed Dial
POWER REQUIREMENTS	120V / 1.9 amps / 60Hz
SAFETY STANDARDS	CSA22.2, UL867 and CARB Certified
HOUSING MATERIAL	Power Coated Steel
WARRANTY	3 Years

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UVC INDUCT 300W

S300W, BAS300W, BASP300W



UVC INDUCT 300W

S300W, BAS300W, BASP300W

Designed to fit seamlessly within a new or existing HVAC system to sanitize the air as it flows through any size facility.

The 300 Watt UV bulb equipped will turn on when airflow is detected. Optional BAS compatibility ensures that every facility has the right solution for its application. These units produce no ozone, and UVC bulbs have a 55,200-hour lifespan.

KEY FEATURES

Third-Party Lab Validated

Scientifically proven and third-party tested to reduce 99.9% of airborne pathogens.

Entire Facility Protection

Offers complete facility protection based on new or existing HVAC designs vs. stand-alone units that are designed to protect specific spaces.

UL 2998 Certified

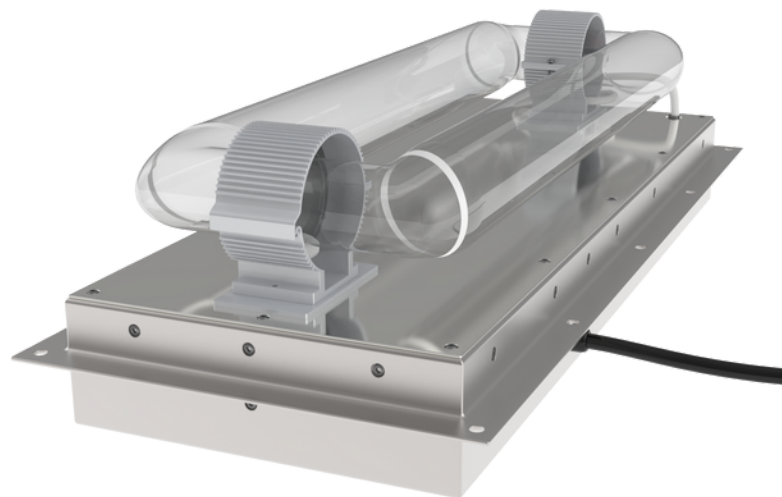
Safe for operation in environments that are sensitive to the production of harmful ozone.

Zero Added Costs & Low Maintenance

There are no additional costs and zero maintenance for a minimum of 5 years (24/7 operation), the unit only turns on when airflow is detected.

Cost Effective

Offering the most cost-effective solution per CFM without sacrificing technology. A single Induct 300W unit can sanitize up to 2,500 CFM.



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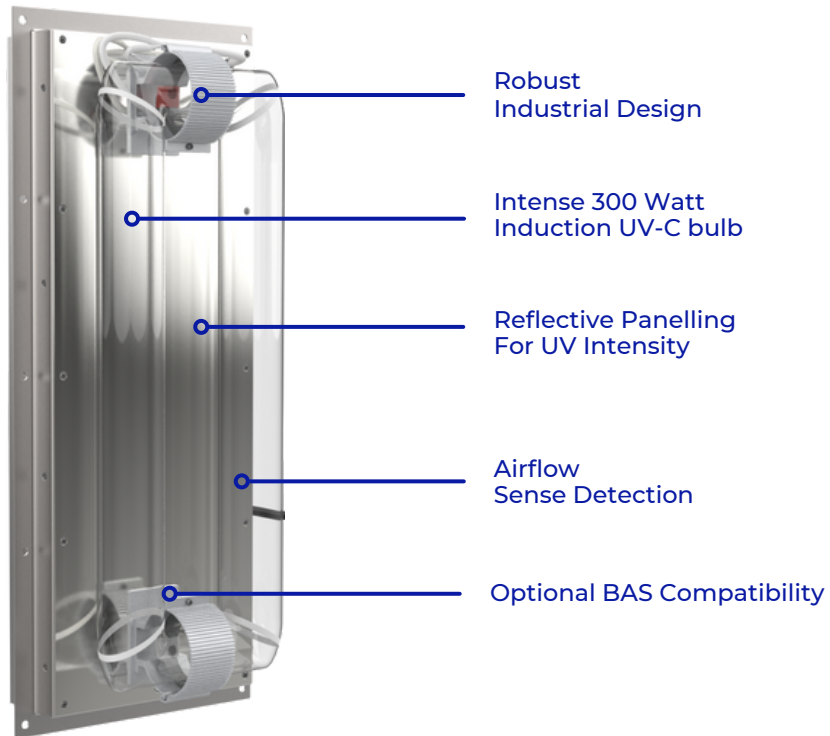
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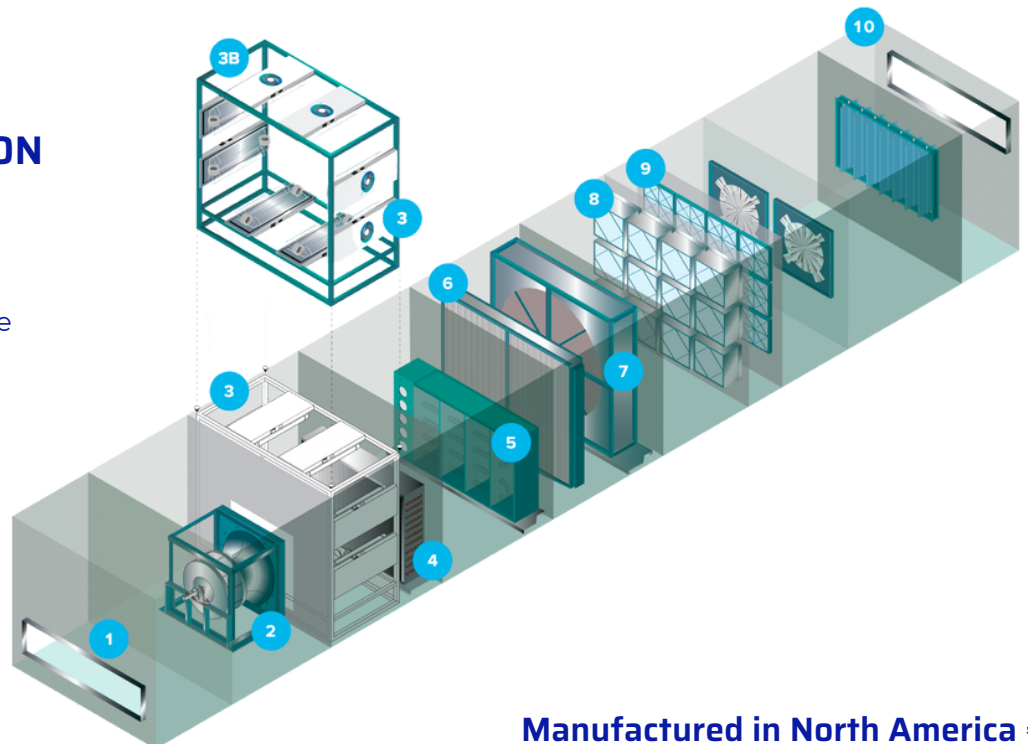
UVC INDUCT 300W

S300W, BAS300W, BASP300W



EASE OF INSTALLATION

Due to the wide-ranging operating temperature of the Induct 300W (-25°C to +100°C), this unit can be installed on the return, supply, or makeup air.



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UVC INDUCT 300W

S300W, BAS300W, BASP300W

TECHNICAL SPECIFICATIONS	STANDARD	BAS STANDARD	BAS PREMIUM
MODEL NUMBER	S300W110V S300W208V	BAS300W110V BAS300W208V	BASP300W208V
EMISSIONS	UL2998 Certified No Ozone Generated	✓	✓
BULB LIFE	6+ Years 55,200 hours	✓	✓
CLEAN AIR DELIVERY RATE	500-2,500 CFM	✓	✓
UV INTENSITY	300 Watts	✓	✓
POWER REQUIREMENTS	110 VAC, 50/60 Hz 208-240 VAC, 60 Hz Single Phase	✓	208-240 VAC, 60 Hz Single Phase
ENERGY CONSUMPTION	3.5 Amp Max @110 AC 1.8 Amp Max @208 AC	✓	1.8 Amp Max @208 AC
AIRFLOW	Airflow Sense Activation	✓	✓
WEIGHT	15lbs (7kg)	✓	✓
CONTROL PANEL	On/Off Switch	Status, Bulb life, Alarm Indicators	✓
CONTROL	Differential Pressure Switch	Differential Pressure Switch, BAS Controls	✓
HOUSING MATERIAL	Aluminum	✓	✓
DIMENSIONS	25"(H) x 10" (W) x 5.36" (D)	✓	✓
ELECTRICAL	cETLus Certified UL and CSA Standards	✓	✓
OPERATING TEMPERATURE	-25C/+50C	✓	✓
WARRANTY	5 years	✓	✓
CONNECTIVITY		BAS Compatible Real time updates	✓
CONNECTION POWER CONTROL		15-30 VAC/10-120 VAC Single Phase or Daisy Chain	✓

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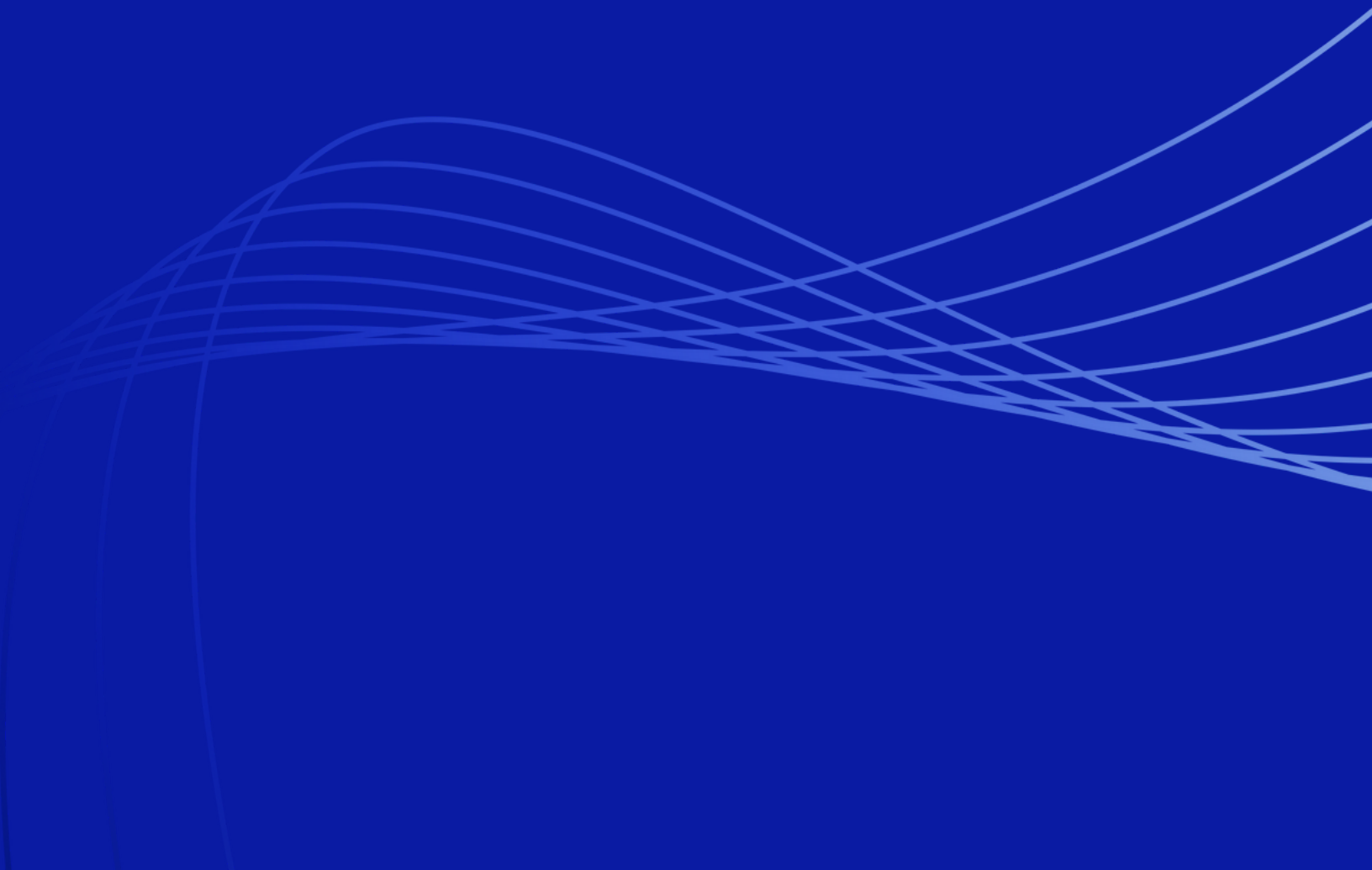
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ELECTROSTATIC FILTERS

ES-1, ES-2



ELECTROSTATIC FILTER

EF-1, EF-2

Electrostatic polarized HVAC filters. Reduce energy consumption by up to 75% while improving indoor air quality from traditional pleated filters.

Using active polarization, these units capture 40x smaller particles than traditional filters and operate at a MERV-14 equivalency.

KEY FEATURES

Energy Efficiency

Reduce energy consumption by up to 75% by lowering the strain on your system compared to standard pleated filters.

Cost Saving

Electrostatic filters lower energy and replacement filter costs by reducing restrictions in airflow, and extending the life of each filter.

No Retrofits Necessary

Our 1 and 2 inch filters can be installed into any system and are available in both standard and non standard sizes.

Sustainable

Filter pads are made up of 70% recycled lofted glass fibres, and the reduced strain on your HVAC system lowers your energy consumption.

Outperforms Traditional Filters

Captures microscopic particulates like viruses, bacteria, dust, and mould that traditional filters cannot, while reducing energy costs.

Can outperform MERV-13 filters by 2.25x. Check out our case studies!



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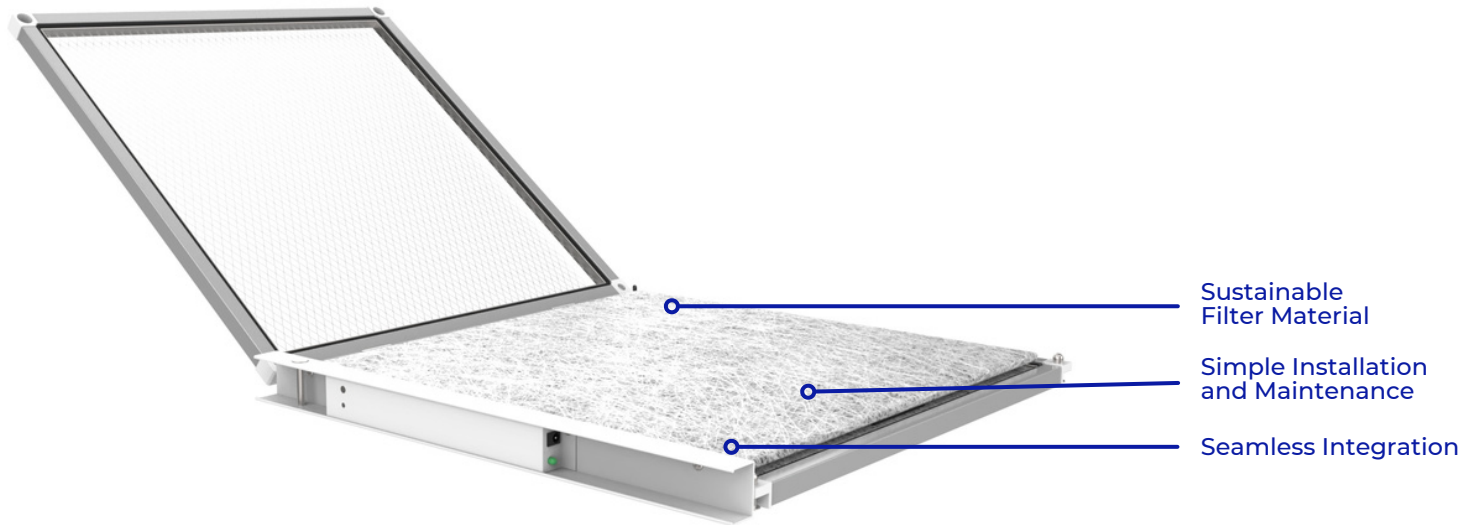
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ELECTROSTATIC FILTER

EF-1, EF-2



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		MERV 13	MERV 8	
Pressure Drop	0.13 i.w.c	0.45 i.w.c	0.32 i.w.c	
Filtration Performance	0.007 Microns	0.3 Microns	0.3 Microns	✓ 71% less static pressure than MERV-13
Air Quality Alerts	Yes	N/A	N/A	✓ 59% less static pressure than MERV-8
Energy Savings	Up to 75%	N/A	N/A	

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ELECTROSTATIC FILTER

EF-1, EF-2

TECHNICAL SPECIFICATIONS

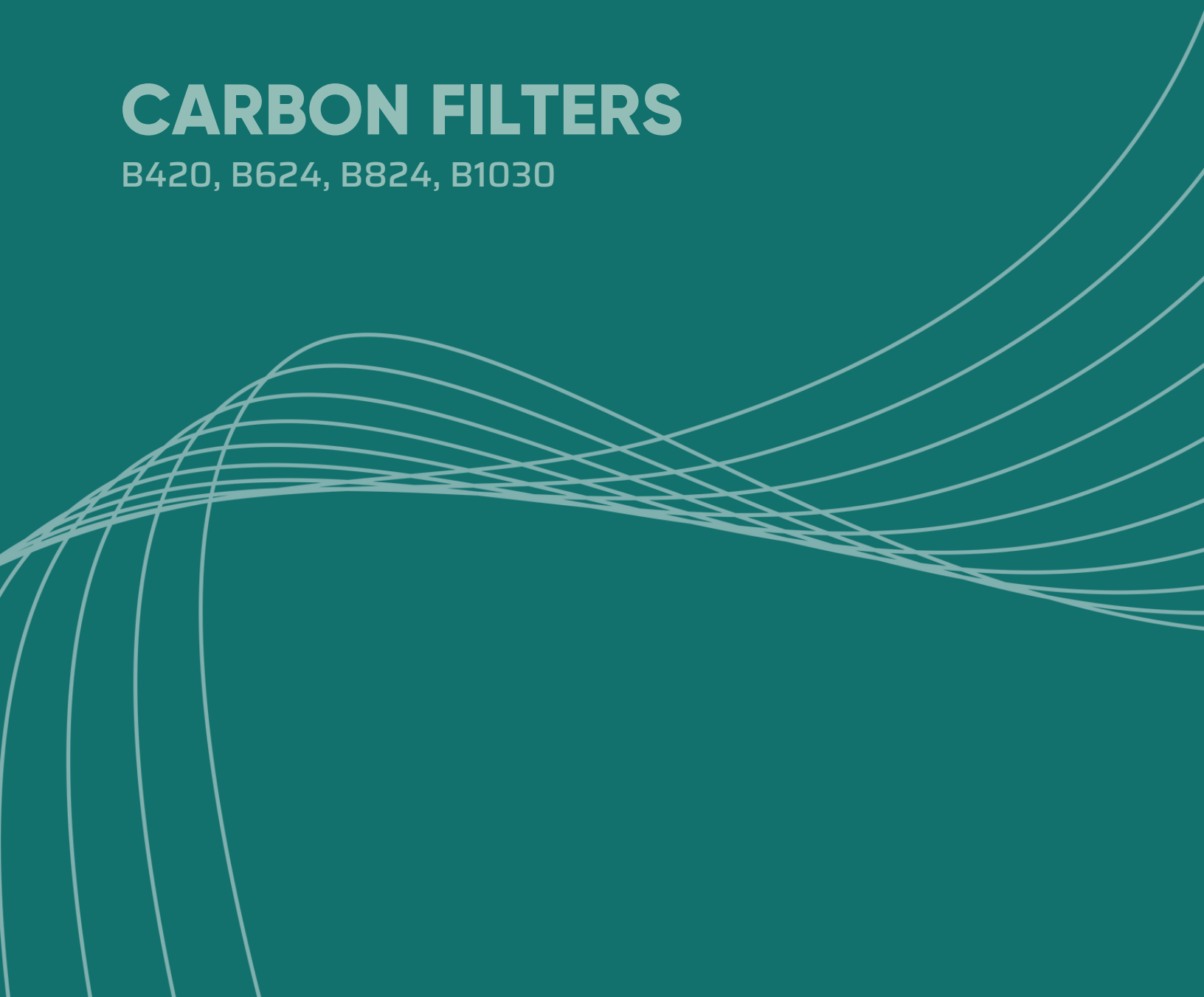
MODEL NUMBER	EF-1 EF-2
PRESSURE DROP	0.13 i.w.c
VOC REDUCTION	46% in 48 hrs
FILTRATION PERFORMANCE	0.007 microns
ENERGY SAVINGS	Up to 75%
WEIGHT	0.4 lbs.
WIRELESS	802.11 B/G/N.
COLOUR	White/Metallic
EMISSIONS	No Ozone
CONTROL	BACnet INTEGRATION
HOUSING MATERIAL	Aluminum and plastic
DIMENSIONS	Standard 1" and 2", Custom Dimensions
CERTIFICATIONS	CSA, UL and FCC Approved
FILTER PAD MATERIAL	Breathable, lofted glass fibre
POWERHEAD	1" and 2" 2 watts (.08 amps @24V AC)

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CARBON FILTERS

B420, B624, B824, B1030



CARBON FILTER

B420, B624, B824, B1030

Zero-waste carbon filters to eliminate odours and VOCs from your indoor grow tent, or hydroponic grow room.

Through our patented replaceable design, the outer housing of the carbon filter never gets replaced once attached to the inline fan. To change the filter, slide the old carbon cartridge out and slide the new one back.

KEY FEATURES

Zero-Waste: 100% Recyclable

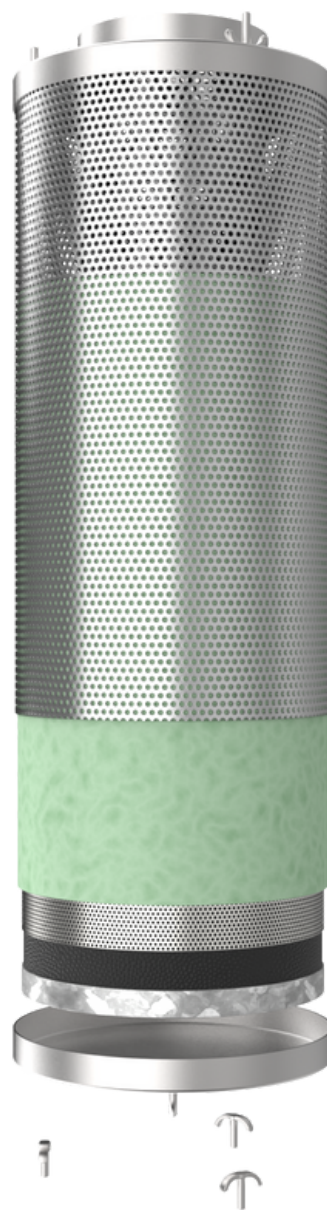
Take a 100% wasteful process down to zero waste with our recycling program for sustainable growing practices.

Reduced Maintenance Time

Turn a 30-minute process of changing your entire carbon filter into a two-minute process using a replaceable cartridge.

Lower Replacement Costs

Save up to 30% on your carbon filter costs by never having to replace the entire unit again and simply exchanging a carbon cartridge.



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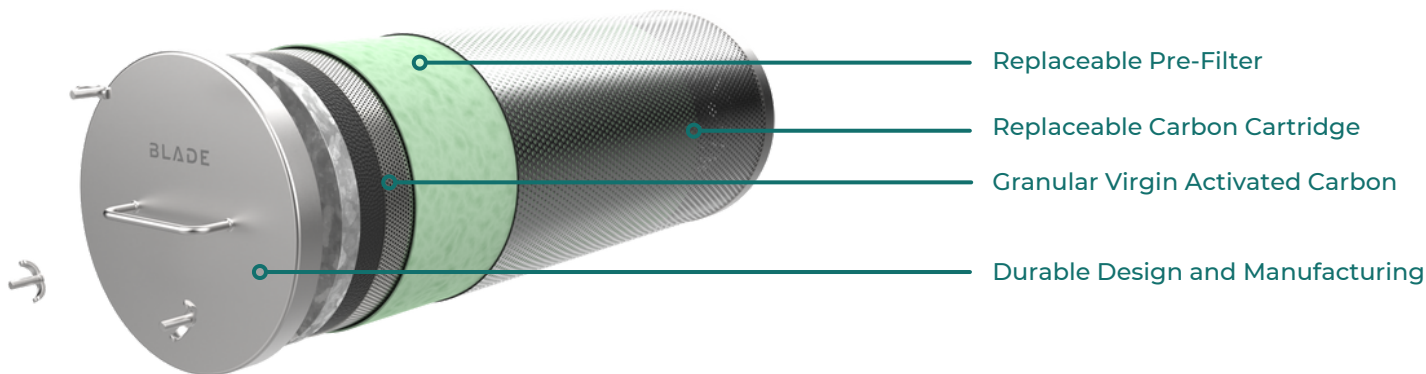
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CARBON FILTER

B420, B624, B824, B1030



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CARBON FILTER

B420, B624, B824, B1030

TECHNICAL SPECIFICATIONS

MODEL NUMBER	B420	B624	B824	B1030
FLANGE SIZE	4"	6"	8"	10"
LENGTH	20"	24"	24"	30"
CARBON BED THICKNESS	2"	2"	2"	2"
MATERIALS	Stainless Steel, & Galvanized Steel	✓	✓	✓
CARBON	North American, 4mm granular	✓	✓	✓
RECIRCULATING CFM	400 CFM	600 CFM	800 CFM	1,100 CFM
EXHAUSTING CFM	200 CFM	300 CFM	400 CFM	550 CFM
TOTAL WEIGHT	8.3kg 18.3lbs	15.3kg 33.7lbs	19.7kg 43.4lbs	19.7kg 43.4lbs
CARBON WEIGHT	2.53kg 5.6lbs	8.4kg 18.4lbs	11.3kg 24.9lbs	13.6kg 30.0lbs
PRESSURE DROP	0.3" wg @ 200 CFM	0.6" wg @ 500 CFM	0.8" wg @ 750 CFM	0.75" wg @ 1,000 CFM

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