

PRODUCT BULLETIN

PK-12 AND PK-18 SPHINX MODULES

Product Overview:

- Designed for broad spectrum removal of high concentrations of odors and contaminants commonly found in grow house facilities
- Design provides even air distribution across the media with lower pressure drop and bypass
- Use with: SPHINX Carbon, SPHINX Odor Blend, SPHINX Odor Max, SPHINX Yield+
- Available in High-Impact Plastic
- Depths: 12" and 18"



Why the SPHINX Modules?

- 90%+ removal efficiency in makeup and recirculated air applications
- Low bypass
- Unique design features durable, adhesive-free construction with highly aerodynamic airfoil screens, easy access sampling ports and patented Posi-Track™ technology
- Ideal for use in:
 - Indoor Grow Houses
 - Greenhouses
 - Agricultural Facilities
- Modules are designed as two half units, making for easy lifting and installation

PURAFIL SPHINX BLENDS	
SPHINX Carbon	<ul style="list-style-type: none"> • Basic removal of VOCs, terpenes, odorous gases and other contaminants commonly found in indoor cultivation facilities
SPHINX Odor Blend	<ul style="list-style-type: none"> • Custom grow house blend captures and removes 99.9% of odorous gases commonly found in indoor cultivation facilities • Oxidizing agent helps prevent mold and powdery mildew growth • Patent protected • Works with chemisorption
SPHINX Odor Max Blend	<ul style="list-style-type: none"> • Custom grow house blend captures and removes 99.9% of odorous gases commonly found in indoor cultivation facilities with double the filter life • Oxidizing agent prevents mold and powdery mildew growth • Maintains performance, even in high-humidity environments • Works with chemisorption
SPHINX Yield+ Blend	<ul style="list-style-type: none"> • Designed to preserve yield • Kills 99.9% of powdery mildew, as proven by third party lab testing • Destroys bacteria and fungus cell walls through oxidation • Patent protected • Works with chemisorption and oxidation

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PK-12 AND PK-18 SPHINX MODULES

BLEND	Part Number	Description	Media Volume (ft ³)	Item Weight (lbs)	Each / Case	Case / Pallet	Case Weight (lbs)
SPHINX Carbon	PK12-SPHINX-CARBON	MODULE, PK12, PLASTIC, 24" X 12" X 12", SPHINX CARBON	1	44	1	24	48
	PK18-SPHINX-CARBON	MODULE, PK18, PLASTIC, 24" X 6" X 18", SPHINX CARBON	0.5	22	1	32	26
SPHINX Odor Blend	PK12-SPHINX-ODOR	MODULE, PK12, PLASTIC, 24" X 12" X 12", SPHINX ODOR	1	46	1	24	50
	PK18-SPHINX-ODOR	MODULE, PK18, PLASTIC, 24" X 6" X 18", SPHINX ODOR	0.5	23	1	32	27
SPHINX Odor Max	PK12-SPHINX-ODORMAX	MODULE, PK12, PLASTIC, 24" X 12" X 12", SPHINX ODOR MAX	1	44	1	24	32
	PK18-SPHINX-ODORMAX	MODULE, PK18, PLASTIC, 24" X 6" X 18", SPHINX ODOR MAX	0.5	23	1	32	27
SPHINX Yield+	PK12-SPHINX-YIELDPLUS	MODULE, PK12, PLASTIC, 24" X 12" X 12", SPHINX YIELDPLUS	1	50	1	24	54
	PK18-SPHINX-YIELDPLUS	MODULE, PK18, PLASTIC, 24" X 6" X 18", SPHINX YIELDPLUS	0.5	25	1	32	27

Engineering Specifications

1.0 General

- 1.1 Filters shall be SPHINX Modules manufactured by Filtration Group.
- 1.2 Filters shall be available in nominal depths of 12" or 18".
- 1.3 Filters are manufactured by an ISO 9001 registered company.

2.0 Housing Materials of Construction

- 2.1 Module frame shall be a high-impact plastic construction with custom tongue and groove flat frame designed tracking to accept PK-12 and PK-18 SPHINX modules.
- 2.2 Module shall have durable adhesive-free construction and no gasketing to prevent off-gassing.
- 2.3 Module shall have sampling port removable with a coin or straight edge for quick removal of media for analysis.
- 2.4 Module shall have aerodynamic airfoil screens to enable low pressure drop.

- 2.5 Each module shall be placed on a media settling table during construction to ensure a packed bed to prevent bypass of contaminated air within the module.
- 2.6 Module shall have a media volume and filter bed depth of 1 ft³ and 3" for the PK-12 and 0.5 ft³ and 1" depth for PK-18.

3.0 Media Performance

- 3.1 Modules shall be filled with one of the custom SPHINX engineered media blends for agricultural use
 - SPHINX Carbon
 - SPHINX Odor
 - SPHINX Odor Max
 - SPHINX Yield+
- 3.2 Engineered media shall use chemisorption process to chemically transform contaminant gases into inert solids trapped inside the media, removing gases permanently from the air.
- 3.3 Modules and engineered media shall be rated to withstand a continuous operating temperature of up to 125°F.