

# SCHAEFER DEFENDER™ SERIES



## CREATE CLEANER, SAFER, AND HEALTHIER ENVIRONMENTS WITH SCHAEFER®

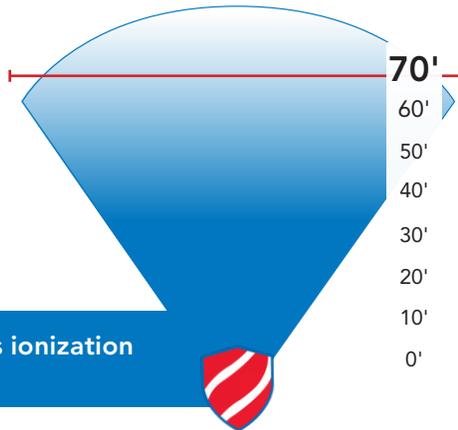
The Schaefer Defender™ Series has radically changed indoor air quality with the only portable, self-cleaning ionizing air purification system on the market with the added power to cool any location.

With the increasing awareness around airborne contaminants and particles, the all-new Schaefer Defender Series with NPBI™ (Needlepoint Bipolar Ionization) Technology adds an additional element of protection from harmful pathogens. This creates a safer, cleaner environment for your workspace and gatherings.

Elevate your safety & wellness protocol with the WayCool® Defender.

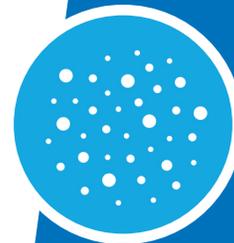
- Targets and deactivates viruses, mold spores and bacteria
- Causes dust, pollen and smoke particles to cluster together, making them easier to target and remove
- Breaks down chemical, cooking and other odors
- Safe, ozone free operation NPBI technology
- Cleans air with or without the evaporative cooling function
- UL approved

Choose standard airflow or evaporative cooling mode to reduce heat stress & increase productivity



WayCool disperses ionization up to 4,700 sq ft

White Model	Gray Model	Output	Speeds	Hp	Volts	Total Ion Output	Velocity Outlet (mph)
WC-1HPNPBI	WCG-1HPNPBI	Fixed Direction	2	1	115	> 400 Million ions/cc/sec	27/19
WC-1HPNPBI-OSC	WCG-1HPNPBI-OSC	Oscillating	2	1	115	> 400 Million ions/cc/sec	27/19
WC-1HPFILSET (WayCool Filters)		Inlet filter set for 1Hp WayCool, washable					



**PARTICLE REDUCTION**



**PATHOGEN REDUCTION**



**ELIMINATE ODORS**



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FOR ADDITIONAL TECHNICAL INFORMATION



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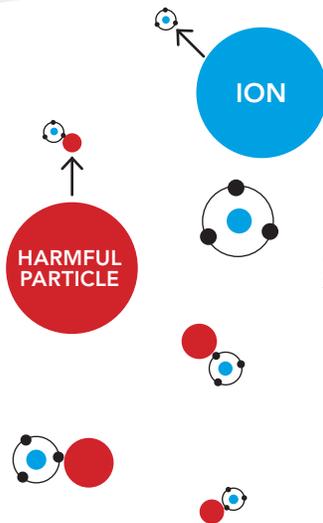
Photos and specifications subject to change due to ongoing improvements. \*The WayCool Defender should always be used in conjunction with public health laws and guidelines



**TARGETS  
PARTICLES**

**ELIMINATES  
ODORS**

**REDUCES  
PATHOGENS**



The latest technology from Schaefer®, portable and ready for year-round use

Through advancements in needlepoint bipolar ionization (NPBI™) technology, the Schaefer Defender™ Series delivers cleaner air, free of particulates, odors, pathogens, and other harmful by-products. NPBI technology has been used in more than 250,000 installations, including offices, schools, airports, hospitals, and other community spaces worldwide. Products using NPBI purify the air by eliminating airborne particulates, odors, and pathogens. The result? Safer air to breathe.

NPBI is also the only auto-cleaning air purification system on the market, and doesn't require replacement parts or future maintenance, guaranteeing simple operation and worry-free usage.

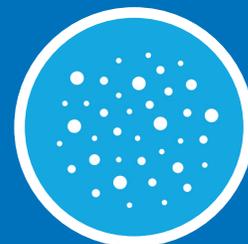
**Benefits of NPBI Technology:**

- **Targets Particles**  
NPBI technology reduces airborne particles (dust, pet dander, pollen) through agglomeration. The ions attach to the airborne particles, which are subsequently attracted to one another, effectively increasing their mass and size. Air filtration systems can easily capture larger particle sizes, increasing the capture efficiency of your filtration system.
- **Eliminates Odors**  
NPBI technology breaks down chemical, pet, cooking and other odors into basic, harmless compounds, leaving indoor air smelling fresh and free of odor-causing VOCs.
- **Reduces Pathogens**  
During the NPBI cleaning process, ions attack and kill viruses, mold spores, and bacteria by making contact with the pathogens' surface proteins and stealing hydrogen, rendering them inactive and unable to spread.

**HOW IT WORKS:**

NPBI produces millions of positively and negatively charged ions that travel through the air via the WayCool® Defender System, continuously seeking out and attaching to harmful particles – including pathogens.

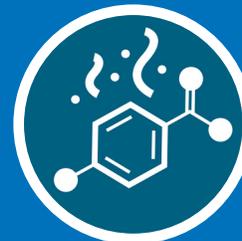
Contact with ions disrupts surface proteins, rendering the pathogens ineffective.



**PARTICLE  
REDUCTION**



**PATHOGEN  
REDUCTION**



**ELIMINATE  
ODORS**



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