

# Commercial UV Air Cleaning System



**The Commercial UV Air Cleaning System** is meticulously designed to stop the buildup of toxic biofilm on AC coils, effectively reducing airborne germs, viruses, and bacteria. Musty odors and the notorious “dirty sock syndrome” are common challenges faced in air handlers and rooftops. The air conditioning coil, pivotal to HVAC systems, can easily become a breeding ground for mold and fungi, fostering the growth of toxic biofilm that not only diminishes operational efficiency but also deteriorates indoor air quality, creating an unhealthy environment for occupants.

## Features

- Reduces biofilms, cutting down system operation costs and maintenance
- High output ensures top-notch performance
- Lamp intensity ranges from 278 - 780  $\mu\text{W}/\text{cm}^2@1\text{m}$
- Auto sensing ballast features a protective water-resistant design
- Convenient design saves time during installation
- **Zero Ozone**
- Optional UVC interlock switch allows for UVC shut-off during service and maintenance
- Liquid crystal design provides lamp and ballast status
- 2-year/18,000 hr. lamp life for durability you can trust.

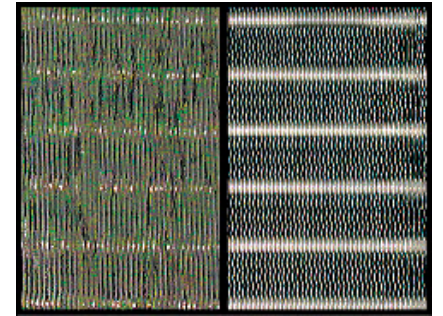


# How It Works

The Commercial UV Air Cleaning System emits high-output UVC energy at the 253.7 nanometer wavelength, providing cost-effective coil irradiation and air treatment without hazardous ozone. The high-intensity UVC lamp reduces microbiologicals like fungi, mold, bacteria, and viruses found within the HVAC system. This results in mold-free coils, toxin-free indoor air, and optimized airflow, ensuring peak HVAC equipment efficiency.

## Keeps AC-Coils Clean

The Commercial UV Air Cleaning System not only reduces airborne microbiologicals, but also maintains the cleanliness of AC-coils. AC-coils situated in moist and dark environments, serve as ideal breeding grounds for mold and toxic biofilm. These contaminants release germs into the air with every system cycle. Placing a UV lamp near the AC-coil prevents buildup, ensuring efficient AC system operation. This efficiency saves on energy costs, minimizes maintenance needs, and prolongs equipment lifespan.



AC-coils without Germicidal Irradiation      AC-coils with Germicidal Irradiation

COMMERCIAL UV MODELS		
Part Number	Model	Description
602651702	CUV-1118DN	17.5" (2) Lamp Non-Coated Commercial UVC High Output 120-277 VAC
602652302	CUV-1123DN	23' (2) Lamp Non-Coated Commercial UVC High Output 120-277 VAC
602652312	CUV-1123DC	23" (2) Lamp Coated Commercial UVC High Output 120-277 VAC
602652801	CUV-1128SN	28" (1) Lamp Non-Coated Commercial UVC High Output 120-277 VAC
602652802	CUV-1128DN	28" (2) Lamp Non-Coated Commercial UVC High Output 120-277 VAC
602652811	CUV-1128SC	28" (1) Lamp Coated Commercial UVC High Output 120-277 VAC
602652812	CUV-1128DC	28" (2) Lamp Coated Commercial UVC High Output 120-277 VAC
602653401	CUV-1134SN	34" (1) Lamp Non-Coated Commercial UVC High Output 120-277 VAC
602653402	CUV-1134DN	34" (2) Lamp Non-Coated Commercial UVC High Output 120-277 VAC
602653411	CUV-1134SC	34" (1) Lamp Coated Commercial UVC High Output 120-277 VAC
602653412	CUV-1134DC	34" (2) Lamp Coated Commercial UVC High Output 120-277 VAC
602653802	CUV-1538DN	38" (2) Lamp Non-Coated Commercial UVC High Output 120-277 VAC
602653812	CUV-1538DC	38" (2) Lamp Coated Commercial UVC High Output 120-277 VAC
602654602	CUV-1546DN	46" (2) Lamp Non-Coated Commercial UVC High Output 120-277 VAC
602654612	CUV-1546DC	46" (2) Lamp Coated Commercial UVC High Output 120-277 VAC
602655802	CUV-1558DN	58" (2) Lamp Non-Coated Commercial UVC High Output 120-277 VAC
602655812	CUV-1558DC	58" (2) Lamp Coated Commercial UVC High Output 120-277 VAC

