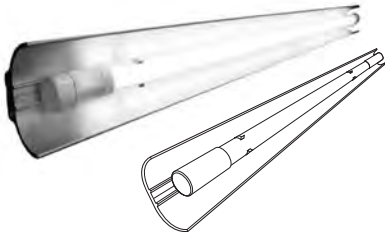


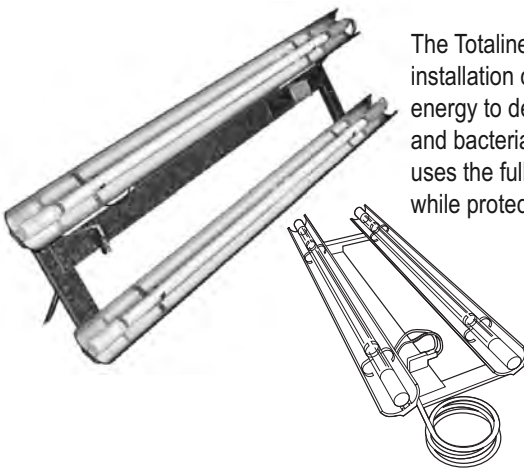
TOTALINE® COMMERCIAL UV GERMICIDAL COIL CLEANERS



The CoilClean IL is designed to be installed facing the return or supply side of Commercial HVAC coils reducing microbial growth. The Aluminum Parabolic Reflector directs all of the available UV energy onto the coil. The CoilClean In-Line is available in sizes ranging from 12" to 60", depending on coil size. A combination of CoilClean IL's can be used in order to bathe any coil with UVC Germicidal light. Can be supplied with electronics and software to remote monitor each CoilClean IL via the building automation system.

Housing:	Anodized Aluminum Parabolic Reflector
Weight:	Depends on length. Range from 2.5 lbs (1.14 Kg) to 14 lbs (6.36 Kg)
Power Requirements:	120V, 220V AC or 277V AC. Amperage varies from 420 mA -1060 mA
Starting:	Hardwired to HVAC air handler unit
Ballast:	Electronic Rapid Start Ballast. Ballast is potted to protect from corrosion
UV Lamp:	High Intensity 19mm. Germicidal Pure Fused Quartz
UV Lamp Features:	Quartz Glass, 19mm dia. Internally coated to prevent Solarization
UV Lamp Length:	12, 18, 24, 30, 40, 50, and 60 inch lengths
UV Intensity in uw/cm ² (microwatts):	Depends on length
Parabolic Aluminum Reflector:	Depends on length
Certifications:	NRTL/C, CSA
Warranty:	Lamp 12,000 hrs. Ballast 5 years. Lamp change-out : 17,000 operating hrs.

TOTALINE® COMMERCIAL UV GERMICIDAL AIR PURIFIER/COIL CLEANER



The Totaline® P103-B30G UV Air Purifier/Coil Cleaner is designed for easy after market installation on Bard and equivalent Wall Mount HVAC units. The P103-B30G uses UV-C energy to destroy biological contaminants such as mold, mildew, fungus, spores, viruses and bacteria without producing ozone. The patent pending Parabolic Reflector/Shield uses the full 360 degrees of UV light to eradicate contaminants in the air and on the coil while protecting plastics and people from the UV exposure.

FEATURES:

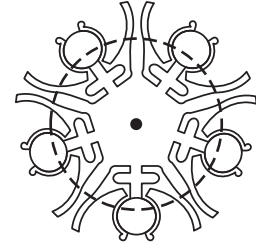
- Easy aftermarket installation.
- Treats the air and destroys mold on the coil.
- Eradicates viruses and bacteria.
- Patent Pending Parabolic Reflector increases intensity.
- Shields eyes from UV exposure.
- Protects motor windings, plastics and people from UV exposure.

MODEL / PART NO	P103-B30G
Dimensions	30.625 x 10.5 inches (778 mm x 266.7 mm)
Weight	10 lbs. (4.5 kg)
Power Requirements	208/230 VAC
Ballast	Electronic Rapid Start
Safety	Power Interlock Switch
UV Lamps (2)	High Intensity 19 mm Germicidal Pure Fused Quartz
UV Lamp Features	Internally Coated to prevent Solarization
UV Lamp Length	30 inches (763 mm)
UV Intensity in Fw/cm ² (Microwatts)	360 Microwatts per cm ² at 1 Meter
Parabolic Reflectors (2)	30.625 inches (778 mm) Length

TOTALINE® COMMERCIAL UV GERMICIDAL BIOBARRIER



The Patented UV BioBarrier are individual UV Arrays which work together in providing a “barrier wall” of Germicidal UV Energy which will kill up to 99.9% of biological contaminants which pass through it. Each BioBarrier has 5 High Intensity 19mm Quartz Lamps which are mounted to Parabolic Reflectors that reflect a full 360° of Germicidal Radiation. The BioBarrier is mounted parallel to the air stream in order to maximize the contaminant’s contact time with the UV Energy. The number & size (offered in either 40”, 50”, or 60” lengths) of the Arrays will depend on the size of the duct, the velocity of the air moving within the duct the specific contaminants to be treated, the desired percent kill, and the amount of outside air. The BioBarrier can be remotely monitored for lamp on/off conditions, lamp run time for up to 32 BioBarriers and uses an RS485 connection.



An RS232 to RS485 converter is available.

MODEL	P103-BIOBARRIER40	P103-BIOBARRIER50	P103-BIOBARRIER60
Application	Commercial	Commercial	Commercial
Overall Diameter	4.0 Inches	4.0 Inches	4.0 Inches
Cone Diameter	3.5 Inches	3.5 Inches	3.5 Inches
Length:			
Bio-Barrier	46.5 Inches	56.5 Inches	66.5 Inches
Ballast Box	22.5 x 9.5 Inches	22.5 x 9.5 Inches	22.5 x 9.5 Inches
Aluminum Parabolic Reflectors	5 Reflectors	5 Reflectors	5 Reflectors
High Intensity UVC Lamps	5 UVC Lamps	5 UVC Lamps	5 UVC Lamps
Weight : Bio-Barrier	15 lbs.	17 lbs.	19 lbs.
Weight: Ballast Box	14 lbs.	14 lbs.	14 lbs.
Power Requirements	120 V AC or 277 V AC 50/60 Hz, 5.5 Amps	120 V AC or 277 V AC 50/60 Hz, 6.5 Amps	120 V AC or 277 V AC 50/60 Hz, 7.5 Amps
High Intensity UV Lamp	Germicidal Pure Fused Quartz	Germicidal Pure Fused Quartz	Germicidal Pure Fused Quartz
Lamp Diameter	19 mm	19 mm	19 mm
Lamp Length	40 Inches	50 Inches	60 Inches
UV Intensity in uw/cm2 (microwatts) Per Lamp	540 microwatts per/ cm2 at 36 Inches	600 microwatts per/ cm2 at 36 Inches	660 microwatts per/ cm2 at 36 Inches
Combined UV Intensity in uw/cm2 (microwatts)	2700 microwatts per/ cm2 at 36 Inches	3000 microwatts per/ cm2 at 36 Inches	3300 microwatts per/ cm2 at 36 Inches
Ballast	Electronic Instant Start	Electronic Instant Start	Electronic Instant Start
Wire Set (Pairs)	(5) Color, 20 ft, 18 AWG 19 Strand UL1716 Teflon Wire	(5) Color, 20 ft, 18 AWG 19 Strand UL1716 Teflon Wire	(5) Color, 20 ft, 18 AWG 19 Strand UL1716 Teflon Wire
Electronic Counter	Resettable Hour Accumulating Counter for Each Lamp	Resettable Hour Accumulating Counter for Each Lamp	Resettable Hour Accumulating Counter for Each Lamp
LED Indicators	LED Indicators for Each Lamp	LED Indicators for Each Lamp	LED Indicators for Each Lamp
Audible Buzzer	Indicates “Lamp Out” Condition	Indicates “Lamp Out” Condition	Indicates “Lamp Out” Condition
Commercial Warranty	10,000 Hours on UV Lamp 1 Year on Parts	10,000 Hours on UV Lamp 1 Year on Parts	10,000 Hours on UV Lamp 1 Year on Parts
Remote Monitor Capability	Included	Included	Included

Compressors,
Chillers, Condensers

Motors

Electrical

Heating
Components

Indoor Air
Quality

Thermostats

Oils &
Chemicals

Accessories, Supplies
& Commodities

Tools &
Instruments

Refrigeration