

TOTALINE® UVC GERMICIDAL AIR PURIFIERS Totaline Air Purifiers and Coil Cleaners



The Totaline® UVC (Germicidal) Air Purifiers and Coil Cleaners are designed to work with the ventilation system to reduce airborne contaminants such as legionella, molds, bacteria, and viruses. In addition, the units assist in alleviating symptoms associated with asthma, and allergies. They recreate the effects of sunlight by naturally decomposing, destroying and purifying contaminants. Totaline Air Purifiers are available in models to suit both residential and commercial needs.

FEATURES:

- Produces no ozone, gases or fumes.
- Patented technology, unique “J” shaped lamp.
- Easy installation & No maintenance (excluding bulb changes).
- Multiple installation options permits remote mounting or bypass mounting.
- Test button and inspection port (Commercial in-duct).
- Commercial in-duct models work only when the HVAC blower is functioning.
- Low power consumption and no increase with duct system resistance.
- NRTL/C, CSA Certified, Canada & US.
- 3 year Warranty on residential models.
- LED Indicators on Residential models.



PART NO	ITEM DESCRIPTION
P103-R1700G	ULTRAVIOLET AIR PURIFIER Residential up to 1700 sq. ft. 120/230 volt High Intensity UVC Lamp. Lamp Out, Ballast Out LED indicators. 6" rotatable square tube
P103-R4000G	ULTRAVIOLET AIR PURIFIER Residential up to 4000 sq. ft. 120/230 volt High Intensity UVC Lamp. Vacuum switch, line cord. Lamp Out, Ballast Out, Power, Vacuum Switch Energizes LED indicators. 6 rotatable square tube
P103-R4000GB	ULTRAVIOLET AIR PURIFIER Residential up to 4000 sq. ft. 120/230 volt High Intensity UVC Lamp .NO VACUUM SWITCH, NO LINE CORD. Lamp Out, Ballast Out LED indicators. 6" rotatable square tube.
P103-QUATTRO	UV Array consists of 4 – 18" High Intensity 19mm Quartz Lamps mounted on 4 Alum. Parabolic Reflectors. Mounts similar to P103-CT200G. NOTE: Duct must be lined with aluminum sheeting, Bio-Film or equivalent) where the array is placed. 110-220 volt
P103-R1500G	ULTRAVIOLET AIR PURIFIER Residential up to 1500 sq. ft. 120/230 volt
P103-R3500G	ULTRAVIOLET AIR PURIFIER Residential up to 3500 sq. ft. 120/230 volt
P103-SABER12	12" Straight UVC Lamp. With Adjustable Parabolic Reflector. 120/230 volt 3 year Lamp Warranty
P103-SABER18	18" Straight UVC Lamp. With Adjustable Parabolic Reflector. 120/230 volt 3 year Lamp Warranty
P103-CT200G	ULTRAVIOLET AIR PURIFIER Commercial – Industrial applications up to 2000 cfm 120 volt (230 volt add \$45)
P103-CMT100G	Ceiling T-Bar Mount ULTRAVIOLET AIR PURIFIER fit a 2'x2' ceiling tile. Light Commercial application up to 500 sq. ft. 120 volt (230 volt available)
P103-PT900G	PORTABLE AIR PURIFIER Residential / Light Commercial applications up to 900 sq. ft. 120/230 volt
P103-RRPUVL-012	12" Straight UVC Lamp Residential Coil Applications. 120/230 volt. No Parabolic reflector. 1 year Lamp Warranty
P103-RRPUVL-018	18" Straight UVC Lamp Residential Coil Applications. 120/230 volt. No Parabolic reflector. 1 year Lamp Warranty
P103-RTUVL-024	OBJECT PURIFIER. Rooftop Package Unit 24" Lamp with NEMA 4 enclosure 230 volt
P103-RTUVL-030	OBJECT PURIFIER. Rooftop Package Unit 30" Lamp with NEMA 4 enclosure 230 volt
P103-RTUVL-040	OBJECT PURIFIER. Rooftop Package Unit 40" Lamp with NEMA 4 enclosure 230 volt
P103-RTUVL-024NN	OBJECT PURIFIER. Same as RT24 but with NO NEMA 4 enclosure. Includes mounting bracket only. 220 volt
P103-RTUVL-030NN	OBJECT PURIFIER. Same as RT30 but with NO NEMA 4 enclosure. Includes mounting bracket only. 220 volt
P103-BIOBARRIER40	UV Array consists of 5 – 40" High Intensity 19mm Quartz Lamps mounted on 5 Alum. Parabolic Reflectors. Ballast box mounts outside of duct. NOTE: Duct must be lined with aluminum sheeting, Bio-Film or equivalent) where the array is placed. 120 volt
P103-BIOBARRIER50	UV Array consists of 5 – 50" High Intensity 19mm Quartz Lamps mounted on 5 Alum. Parabolic Reflectors. Ballast box mounts outside of duct. NOTE: Duct must be lined with aluminum sheeting, Bio-Film or equivalent) where the array is placed. 120 volt
P103-BIOBARRIER60	UV Array consists of 5 – 60" High Intensity 19mm Quartz Lamps mounted on 5 Alum. Parabolic Reflectors. Ballast box mounts outside of duct. NOTE: Duct must be lined with aluminum sheeting, Bio-Film or equivalent) where the array is placed. 120 volt
P103-S1000G	COMBINATION FILTER/ULTRAVIOLET AIR PURIFIER 20"x20"x40" Aluminium Casing. Commercial, Industrial, Hospital Applications. 1000cfm.
P103-CCIL12	COIL CLEAN OBJECT PURIFIER. Inside Air Handler for HVAC Coils. 12" long 120 /230 volt
P103-CCIL18	COIL CLEAN OBJECT PURIFIER. Inside Air Handler for HVAC Coils. 18" long 120/230 volt
P103-CCIL24	COIL CLEAN OBJECT PURIFIER. Inside Air Handler for HVAC Coils. 24" long 120 volt (IL24-25: 230 volt)
P103-CCIL30	COIL CLEAN OBJECT PURIFIER. Inside Air Handler for HVAC Coils. 30" long 120 volt (IL30-25: 230 volt)
P103-CCIL40	COIL CLEAN OBJECT PURIFIER. Inside Air Handler for HVAC Coils. 40" long . 120 volt (IL40-25: 230 volt)
P103-CCIL50	COIL CLEAN OBJECT PURIFIER. Inside Air Handler for HVAC Coils. 50" long 120 volt (IL50-25: 230 volt)
P103-CCIL60	COIL CLEAN OBJECT PURIFIER. Inside Air Handler for HVAC Coils. 60" long . 120 volt (IL60-25: 230 volt)
P103-B30G	COMBINATION AIR/OBJECT PURIFIER for BARD wall mount unit Easy Mounting aftermarket unit. 230 volt
P103-CMU16	ULTRAVIOLET AIR PURIFIER for Return Plenum Filter Box. Residential application for return ducts of up to 18" diameter. 120/230 volt

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P103-CMU24	ULTRAVIOLET AIR PURIFIER for Return Plenum Filter Box. Residential application for return ducts of up to 24" diameter. 120/230 volt
P103-HRV-6-GX	ULTRAVIOLET AIR PURIFIER for Heat Recovery Ventilation system 6" dia Residential application 120/230 volt
P103-HRV-8-GX	ULTRAVIOLET AIR PURIFIER for Heat Recovery Ventilation system 8" dia Residential application 120/230 volt
P103-HFXHEPAUV	Whole House HEPA/UV. Attaches to HVAC Duct, OR STAND ALONE. 200/300 cfm Blower

Options for Totaline Air Purifiers and Coil Cleaners

PART NO	ITEM DESCRIPTION
P103-REMINISKIT001	Remote wiring kit for R1500G, R3500G and C2000G
P103-REMINSKT005	Remote mounting kit for R1700, R4000G, R4000G-B
P103-S1000G-25-CRKIT	S1000FG Clean Room Option consists of 1-Filter99, 1-SANX052 Ballast, 1-SAN-T6-022 16" Straight Germicidal Lamp. Hospital Operating Room, etc Applications
P103-FIBER15	1" Fiberglass Ductboard kit for mounting of Model R1500G,
P103-FIBER35	1" Fiberglass Ductboard kit for mounting of Model R3500G,
P103-GERMLAMP004	T6 Germicidal (UVC) 6.5" UV "J" Lamp for P103-CMT100G, P103-P800G, P103-R1500G, P103-HRV-6G, P103-CMU-18G, P103-PT900
P103-GERMLAMP005	T6 Germicidal (UVC) 10.5" UV "J" Lamp for P103-R3500G, P103-HRV-8G, P103-CMU24G
P103-GERMLAMP006	T6 Germicidal (UVC) 16" UV "J" Lamp for P103-CT200G, P103-S1000FG
P103-GERMLAMP007	T6 High Intensity Germicidal (UVC) 30" Straight UV Lamp for P103-RT30, P103-RT30-NN, P103-B30, P103-IL30
P103-GERMLAMP008	T6 High Intensity Germicidal (UVC) 20" x 20" "L" shape UV Lamp for 2020G (each)
P103-GERMLAMP009	T6 Germicidal (UVC) 12" Straight UV Lamp for Fusion 12, SABER APR 12
P103-GERMLAMP010	T6 Germicidal (UVC) 18" Straight UV Lamp for Fusion 18, SABER APR 18
P103-GERMLAMP011	T6 High Intensity Germicidal (UVC) 24" Straight UV Lamp for P103-RT24, P103RT24-NN, P103-IL24
P103-GERMLAMP12 HI	T6 High Intensity Germicidal (UVC) 12" Straight UV Lamp for P103-CCIL12
P103-GERMLAMP18 HI	T6 High Intensity Germicidal (UVC) 18" Straight UV Lamp for P103-CCIL18, P103-Quattro
P103-GERMLAMP40	T6 High Intensity Germicidal (UVC) 40" Straight UV Lamp for P103-BIO40, P103-CCIL40
P103-GERMLAMP50	T6 High Intensity Germicidal (UVC) 50" Straight UV Lamp for P103-BIO50, P103-CCIL50
P103-GERMLAMP60	T6 High Intensity Germicidal (UVC) 60" Straight UV Lamp for P103-BIO60, P103-CCIL60
P103-GERMLAMP105 HI	High Intensity 10.5 J Lamp For P103-R4000G, P103-R400G-B, P103-HEPA/UV
P103-GERMLAMP65 HI	High Intensity 6.5 J Lamp for P103-R1700G,
P103-BALLAST-002	Ballast for C2000X, S1000FG
P103-BALLAST-004	120/230 volt Ballast for SABER12, SABER18, HRV-6, HRV-8, CMU-18, CMU-24, IL12, IL18, R1500G, R3500G
P103-BALLAST-005	230 Volt Electronic Ballast for RT24, RT30, RT40, RT24-NN, RT30-NN, RT40-NN, IL24, IL30, IL40
P103-BALLAST-006	Ballast for P103-CC2020
P103-BALLAST-015	120 Volt Electronic Ballast for CCIL24/30/40
P103-BALLAST-016	230 Volt Ballast for P103-CCIL24/30/40
P103-BALLAST-017	230 Volt Ballast for P103-CC2020, P103-B30G
P103-BALLAST-163	120/230 volt Ballast with LED's for R1700, R4000, Quattro, HEPA/UV, SABER APR12, SABER APR 18,
P103-BALLAST-220	230 Volt Electronic Ballast for 2020G, B30X
P103-BALLAST-BIOBARRIER	120 Volt Ballast for BIO40G, BIO50G, BIO60G, IL50, IL60 (Available 220 volt and 277 volt)
P103-SPDCNTL-PT900	Speed Control for P103-PT900G
P103-SPDCNTL-159	Speed Control for S1000FG, 120V
SAN-C002	Turbulator for P103-R3500G, P103-R200G
SAN-S307	Turbulator for P103-R1700, P103-R4000G, P103-R4000G-B
P103-SVX-230	Pre-filter for P103-HEPA/UV
P103-SVX231	HEPA Filter for 103-HEPA/UV
SANX010	Foam Filter (inlet) for P103-PT100G
SANX010-1	Carbon Filter (outlet) for P103-PT100G P103-PT800G
SANX010-2	Polypropylene Filter (Inlet) for CMT100G
SANX010-3	Carbon Filter (Outlet) for CMT100G
SANX010-04	Metal Filter for P103-PTP800G

Compressors,
Chillers, Condensers

Motors

Electrical

Heating
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Thermostats

Oils &
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Accessories, Supplies
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Tools &
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Refrigeration

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Options for Totaline Air Purifiers and Coil Cleaners

PART NO	ITEM DESCRIPTION
P103-CUTOFFSWITCH	Micro Switch for B30G
SANX015	Motor for P103-PT100G
P103-MTR8	Motor for P103-PTP900G
P103-SVX-235	Motor for P103-HEPA/UV
SANX059	Fuse Holder for R3500G, C2000G, S1000FG
SANX062	3 amp fuse for Fuse Holder SANX059 for R3500G, C2000G,
SANX011	Plastic Grill (inlet) for P103-PT100G
SANX085	Female connector for Ultraviolet Lamp

Replacement Parts Information for Totaline Air Purifiers

PART NO	ITEM DESCRIPTION
P103-GERMLAMP004	Germicidal "J" Lamp for P103-PT100G, P103-CMT100G, P103-R1500G, P103-CMU16
P103-GERMLAMP005	Germicidal "J" Lamp for P103-R3500G, P103-CMU24
P103-GERMLAMP006	Germicidal "J" Lamp for P103-CT200G, P103-S1000G-25
P103-GERMLAMP007	Lamp for P103-RTUVL-030, P103-CCIL30, P103-B30G
P103-GERMLAMP008	Lamp for P103-CC2020
P103-GERMLAMP009	Lamp for P103-RRPUVL-012
P103-GERMLAMP010	Lamp for P103-RRPUVL-018
P103-GERMLAMP011	Lamp for P103-RTUVL-024, P103-CCIL24
P103-GERMLAMP014	Lamp for P103-CCIL12
P103-GERMLAMP015	Lamp for P103-CCIL18
P103-GERMLAMP40	Lamp for P103-BIOBARRIER40, P103-CCIL40
P103-GERMLAMP50	Lamp for P103-BIOBARRIER50, P103-CCIL50
P103-GERMLAMP60	Lamp for P103-BIOBARRIER60, P103-CCIL60
P103-BALLAST-001	Ballast for P103-R3500G
P103-BALLAST-002	Ballast for P103-CT200G, P103-S1000G-25
P103-BALLAST-003	Ballast for P103-PT100G, P103-CMT100G, P103-R1500G
P103-BALLAST-004	Ballast for P103RRPUVL-012/018
P103-BALLAST-005	Ballast for P103-RTUVL-024/030
P103-BALLAST-006	Ballast for P103-CC2020
P103-BALLAST-015	120 Volt Ballast for P103-CCIL24/30/40
P103-BALLAST-016	230 Volt Ballast for P103-CCIL24/30/40
P103-BALLAST-017	230 Volt Ballast for P103-CC2020 P103-B30G
P103-BALLAST-BIOBARRIER	Ballast for Bio-Barrier 40", 50", 60"
P103-SPDCNTL-001	Speed Control for P103-PT100G
P103-VACUSTSW001	Vacuum Starting Switch for P103-CT200G
SAN-C002	Turbulator
P103-S1000G-25	99.97% HEPA Replacement Filter for P103-S1000G-25

Merchandisers

PART NO	ITEM DESCRIPTION
P103-R4000G	R4000G Air Purifier and Display Case

TOTALINE® RESIDENTIAL - LIGHT COMMERCIAL IN-DUCT AIR PURIFIER



The Totaline® P103-R1500G and P103-R3500G are designed to be installed on the supply side of the return air duct. As the airflow passes through the P103-R3500G Chamber, the ultraviolet process helps to destroy biological contaminants

MODEL / PART NO	P103-R1500G	P103-R3500G
Application	Residential	Residential/Light Commercial
Purifying Capacity	1500 sq. ft.	3500 sq ft.
Outside Dimensions	9.5 x 8 in. (241 x 203 mm)	12 x 8 in. (305 x 203 mm)
Plenum Opening Requirements	8 x 6 in. (203 x 152 mm)	11 x 6 in. (269 x 152 mm)
Weight	4.4 lbs (2 kg)	12 lbs (5.5 kg)
Power Requirements	120V,15Watts	120V,25Watts
Hardwire	YES	YES
Germicidal UV Single Zone Lamp	YES	YES
Lamp Diameter	19 mm	19 mm
Proprietary UV J Lamp Dimensions	6.5 in. (165 mm)	10.5 in. (267 mm)
Lamp Arc Length	10.5 in. (267 mm)	17.7 in. (450 mm)
Air Exposure Time to UV Lamp — Per Pass: in milliseconds @ 500 ft per minute	180	240
On High Speed	NA	NA
On Low Speed	NA	NA
UV Intensity Inside Aluminum Tube/Housing	7456 Microwatts per/cm2	12,176 Microwatts per/cm2
Fan Speed	NA	NA
Noise Level @ 5ft	NA	NA
Aluminum UV Reflector	5 x 7.875 in. Tube (127 x 200 mm)	5 x 12 in. Tube (127 x 305 mm)
Inlet/Outlet Filter	NA	NA
Construction	Steel/Powder Coat Paint	Steel/Powder Coat Paint
Certification	NRTL/C, CSA	NRTL/C, CSA
Options	Remote Installation Kit	Remote Installation Kit
Residential Warranty: 3-Year Including UV Lamp and Parts	YES	YES
Commercial Warranty: 12,000 hrs on UV Lamp 1-Year on Parts	NA	NA

Compressors,
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Motors

Electrical

Heating
Components

Indoor Air
Quality

Thermostats

Oils &
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Tools &
Instruments

Refrigeration

TOTALINE® RESIDENTIAL-LIGHT COMMERCIAL IN-DUCT AIR PURIFIER



The Totaline® P103-R1700G, P103-R4000GB, and the P103-R4000G are designed to be installed on the supply side of the return air duct. As the airflow passes through the Aluminum Chamber, the ultraviolet process helps to destroy biological contaminants. The LED “Smart System” monitors the status of the UV purifier.

MODEL / PART NO	P103-R1700G	P103-R4000GB	P103-R4000GB
Purifying Capacity	1700 sq. ft.	4000 sq ft.	4000 sq ft.
Outside Dimensions (in)	9.5 x 7.75 x 12	13.5 x 8 x 12	13.5 x 8 x 12
Weight (lbs)	4.5	8	8
Power	110 / 220v	110 / 220v	110 / 220v
Watts / Amperage	27w / 730mw	37w / 650mw	37w / 650mw
Starting	Hardwire to Air Handler	Hardwire to Air Handler	Air Pressure Sensor
Line Cord	No	No	Yes
UV Lamp Type	Proprietary High Intensity 19mm Mercury Vapor	Proprietary High Intensity 19mm Mercury Vapor	Proprietary High Intensity 19mm Mercury Vapor
UV Wavelength	254nm	254nm	254nm
UV Lamp Configuration	J-Shaped	J-Shaped	J-Shaped
UV Lamp Length (in)	6.5	10.5	10.5
UV Arc Length (in)	10.5	17.7	17.7
Internal Lamp coating to prevent Solarization	Yes	Yes	Yes
Reflector	6" Aluminum Square Tube	6" Aluminum Square Tube	6" Aluminum Square Tube
Average Microwatt Intensity inside aluminum reflector	10,212	16,479	16,479
Lamp Change Out Time	3 Years	3 Years	3 Years
Lamp Warranty	3 Years	3 Years	3 Years
Purifier Warranty	3 Years	3 Years	3 Years
Construction	Steel / Powder Coat Paint	Steel / Powder Coat Paint	Steel / Powder Coat Paint

TOTALINE® COMMERCIAL IN-DUCT AIR PURIFIER

The Totaline® P103-CT200G is a commercial air purifier. With a powerful UVC source, the P103-CT200G is designed to be installed on the supply side of the return air duct. Air passes through the chamber and the ultraviolet process helps destroy the biological contaminants.



MODEL / PART NO	P103-CT200G
Application	Commercial
Purifying Capacity	2000 cfm
Outside Dimensions	20 x 9 in. (508 x 228 mm)
Plenum Opening Requirements	18 x 7 in. (457 x 178 mm)
Weight	15 lbs (6.8 kg)
Power Requirements	120 V, 45 Watts
Hardwire	Optional
Germicidal UV Single Zone Lamp	YES
Lamp Diameter	19 mm
Proprietary UV J Lamp Dimensions	16 in. (406 mm)
Lamp Arc Length	31.2 in. (793 mm)
Air Exposure Time to UV Lamp — Per Pass: in milliseconds @ 500 ft per minute	400
UV Intensity Inside Aluminum Tube/Housing	9497 Microwatts per/cm2
Aluminum UV Reflector	7 x 19 in. Tube (178 x 483 mm)
Construction	Steel/Powder Coat Paint
Certification	NRTL/C, CSA
Options	Remote Installation Kit
Commercial Warranty: 12,000 hrs on UV Lamp 1-Year on Parts	YES

Sizing Guidelines
 Offices, Schools and Commercial Applications: 1 per 2000 cfm
 Hospitals, Labs, and Areas Requiring High Germicidal Doses: 1 per 1000 cfm