

Fight Covid with Innovative Capture & Kill Technology Air Sterilization & Infection Control Unit (ASICU)

Captures and kills airborne human corona viruses, H1N1, SARS Virus, bacteria & pathogens.



Offices



Restaurants



Airports



Places of Worship



Healthcare



Longterm Care

MAFNA AIR TECHNOLOGIES INC.

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Healair delivers healthy air by killing pathogens including bacteria and viruses like H1 N1, Human Coronavirus as well as HAI causing pathogens like C. difficile, MRSA, VRE and CRE, & capturing microscopic particles.

Removes odors, VOCs molds, allergen, dust particles and mold spores

Product Highlights

- The most effective air sterilization system
- High airborne disinfection rate
- True HEPA grade 99.99% air purification
In place integrity tested
- Germicidal grade sterilization
- Lightweight & maneuverable caster wheels
- Antimicrobial casing
- Zero bypass design integrity test

Healair is suitable for fast paced health care environments, offices, places of worship, airports, schools and other indoor public places.

- Easily converts into a negative pressure system
- The sanitized air can be exhausted outside or another location inside the building.

Viruses, Bacteria & Pathogens

Activated Heal Air plasma attaches to the viruses, bacteria and pathogens, negatively affects their DNA, gain size and mass and return to the unit's germicidal chamber where the bacteria, viruses, pathogens are killed / inactivated.

Odors

Activated Heal Air plasma breaks down odors at their source and converts them into harmless compounds such as O₂, N₂, CO₂, H₂O

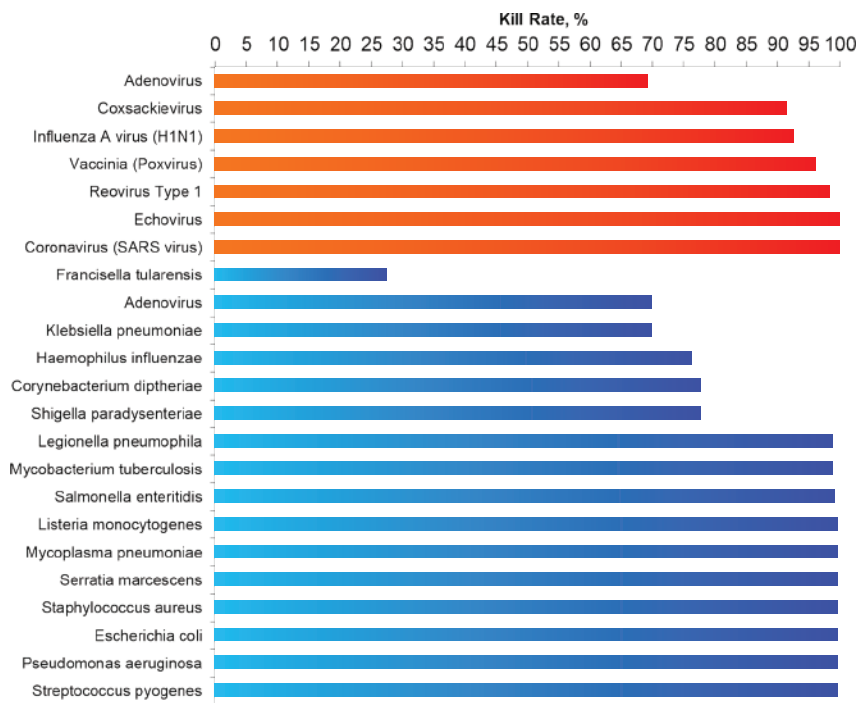
VOCs (Volatile Organic Compound)

Activated Heal Air plasma breaks down toxic gasses and compounds from dangerous chemicals such as cleaning products, pesticides, paints, solvents, mold, mildew and more and converts them into harmless compounds such as O₂, N₂, CO₂, H₂O

Particles/Dust

Activated Heal Air plasma attaches to airborne micronic and sub-micronic dust / particles causing them to cluster, gain size and mass and return to medical grade 0.3 Micron 99.99% Hepa Filtration system

Germicidal Performance



Disclaimer : This equipment does not guarantee any wellness or cure from any illness. This also does not prevent from falling sick or contracting infections. Data provided is based on calculation and statements made by supplier / vendor. Supplier's/Vendor's claims have not been independently verified. Design subject to change any time.

PLASMA GENERATOR

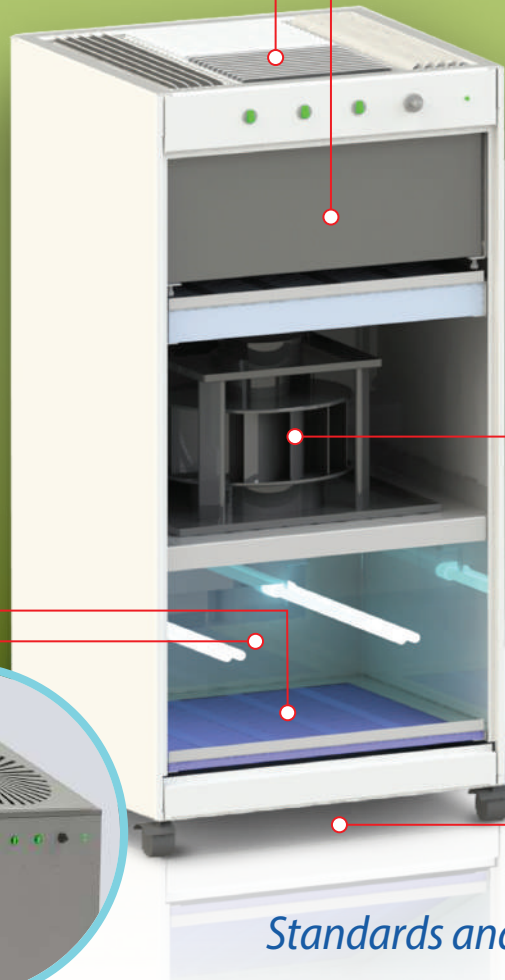
1st STAGE FILTRATION:
UV Resistant 2" MERV 8 primary pre filter.

STERILIZATION:
UVC lamps with ballast for germicidal grade sterilization.

2nd STAGE FILTRATION:
UV Resistant HEPA filter tested & certified to 99.99% Efficiency @ 0.3 micron particle size.

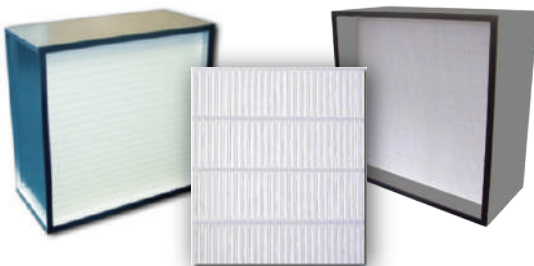
FAN: Quiet high efficiency fan with EC Motor.

CONTAMINATED AIR



Standards and Certifications:

COMPONENT	STANDARDS / CERTIFICATIONS
FAN	UL508C Standard
FILTER	In place Hepavac HEPA filter system leak tested - 99.99% @ 0.3 micron
UVC LIGHT	CE Mark
PLASMA GENERATOR	UL 867, OSHPD Seismic (OSP), IAQP
BALLAST	UL Listed Class P, Type 1 Complies with ANSI 62.41 Category A and meets the requirement of FCC Title 47 CFR Part 18, Non Consumer (Class A) for EMIRFI (Conducted and Radiated). Class A sound rating.

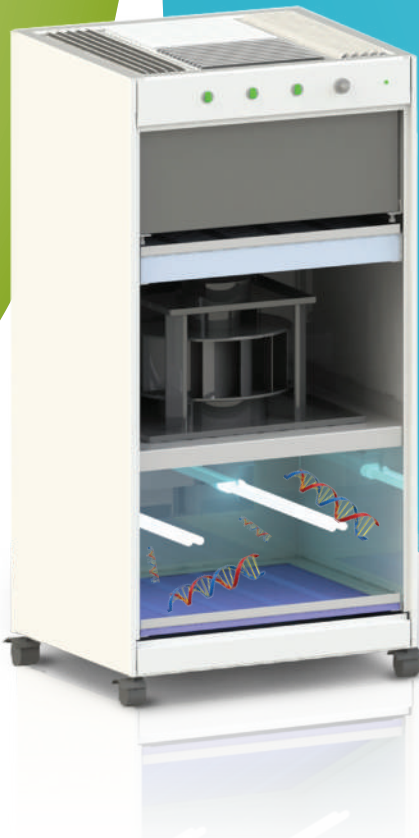


Mini-Pleat Pack

UV resistant HEPA filters offer a mini-pleat high efficiency filter for your critical applications and environments.

- **EFFICIENCY:** Minimum Initial Efficiency 99.99% at 0.3 micron
- **TEMPERATURE LIMIT:** Maximum 200° F
- **MEDIA:** Microfiber
- **SEALANT:** Urethane
- **STANDARD FRAME:** Galvanneal and MDF High-Density Particle board

Model : HA1060F1808PG



- Capacity: 1000 CFM
- Dimensions: 23" X 23" X 50" (W X D X H)
- Weight: 158 lbs
- Color: White
- Motor: EC Motor with speed control
- Voltage Options: 120V/1/50-60 Hz / 220V / 1 / 50-60 Hz
- Amps: 10
- Cord: 6'
- Sound Performance:

Estimated sound power level in each octave band

Frequency	63	125	250	500	1K	2K	4K	8K	Db (A) - 1M
LW	57	60	63	62	66	63	57	52	59 bA

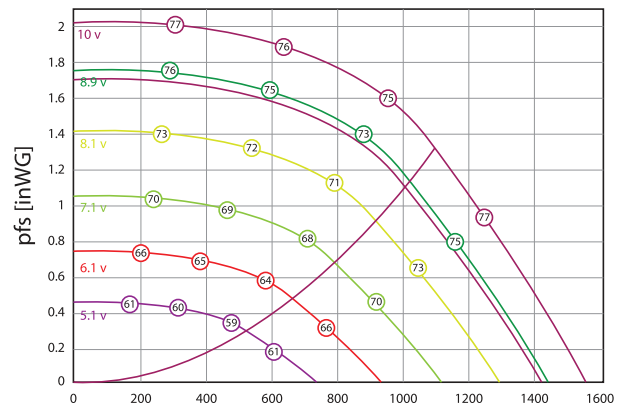
- Coverage area suggested as per air changes ACH - Air change per hour - 10' ceiling height

ACH	4	5	6	7	8	9	10	11	12
SQFT	1500	1200	1000	857	750	666	600	545	500

customer to factor in obstruction + barrier to airflow in space

AVAILABLE MODELS

MODEL / OPTIONS	UVC LIGHT	HEPA FILTER	PLASMA GENERATOR
HA1060	✓	✗	✗
HA1060PG	✓	✗	✓
HA1060F1808	✓	✓	✗
HA1060F1808PG	✓	✓	✓

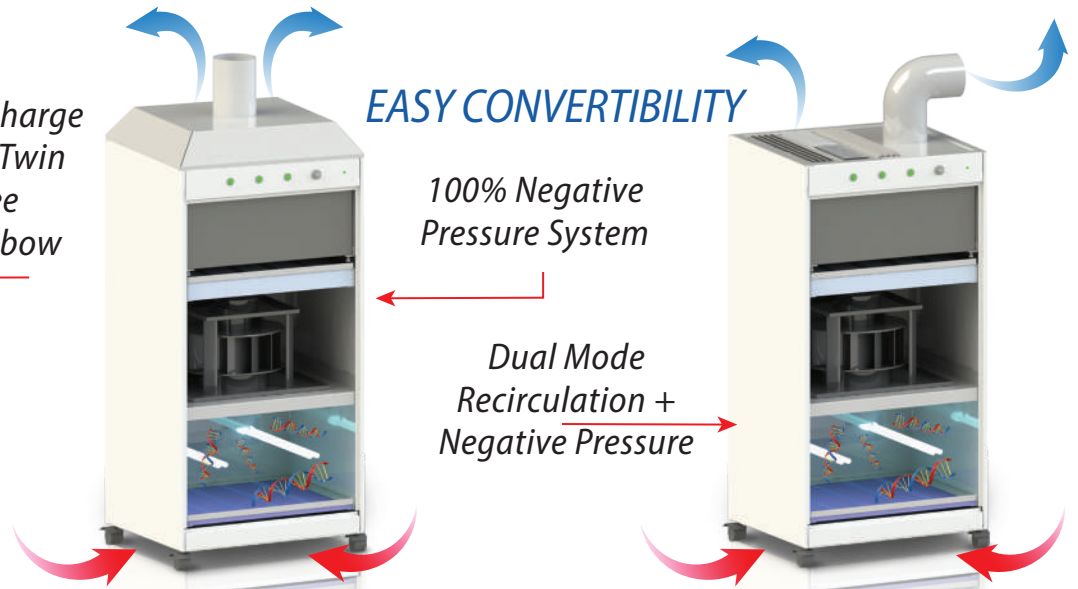


High Spot Discharge Plenum with Twin 360 Degree Adjustable Elbow

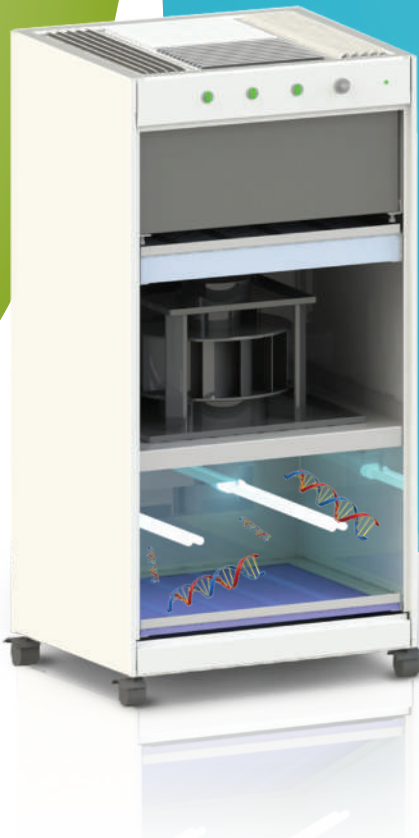
EASY CONVERTIBILITY

100% Negative Pressure System

Dual Mode Recirculation + Negative Pressure



Model : HA2090F2412PG



- Capacity: 2000 CFM
- Dimensions: 28" X 28" X 54" (W X D X H)
- Weight: 200 lbs
- Color: White
- Motor: EC Motor with speed control
- Voltage Options: 120V/1/50-60 Hz / 220V / 1 / 50-60 Hz
- Amps: 10
- Cord: 6'
- Sound Performance:

Estimated sound power level in each octave band

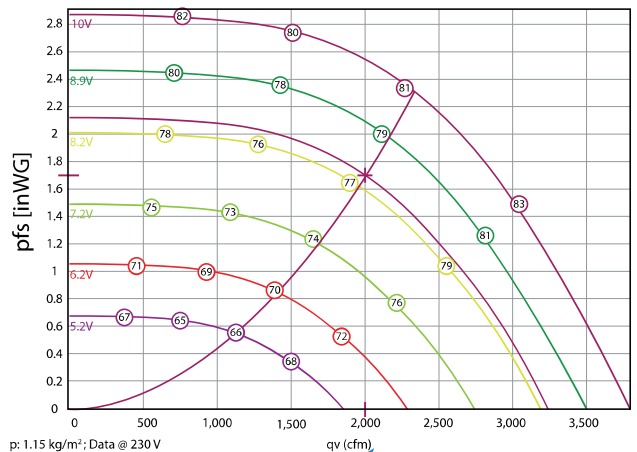
Frequency	63	125	250	500	1K	2K	4K	8K	Db (A) - 1M
LW	37	58	60	62	63	64	61	56	54-56 bA

- Coverage area suggested as per air changes
ACH - Air change per hour - 10' ceiling height

ACH	4	5	6	7	8	9	10	11	12
SQFT	3000	2400	2000	1714	1500	1332	1200	1090	1000

AVAILABLE MODELS

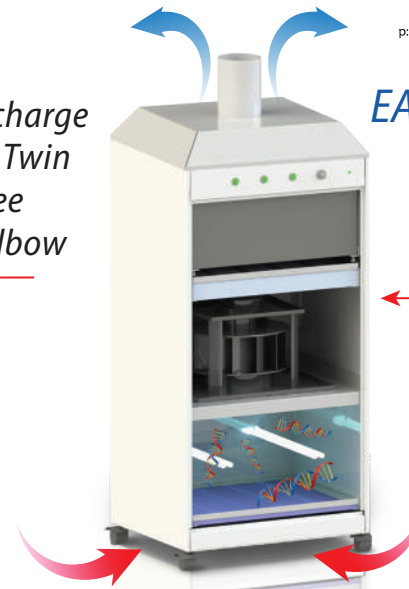
MODEL	Capacity [CFM]	UVC LIGHT	HEPA FILTER	PLASMA GENERATOR
HA2090	2000	✓	✗	✗
HA2090PG	2000	✓	✗	✓
HA2090F2412	2000	✓	✓	✗
HA2090F2412PG	2000	✓	✓	✓



EASY CONVERTIBILITY



High Spot Discharge
Plenum with Twin
360 Degree
Adjustable Elbow

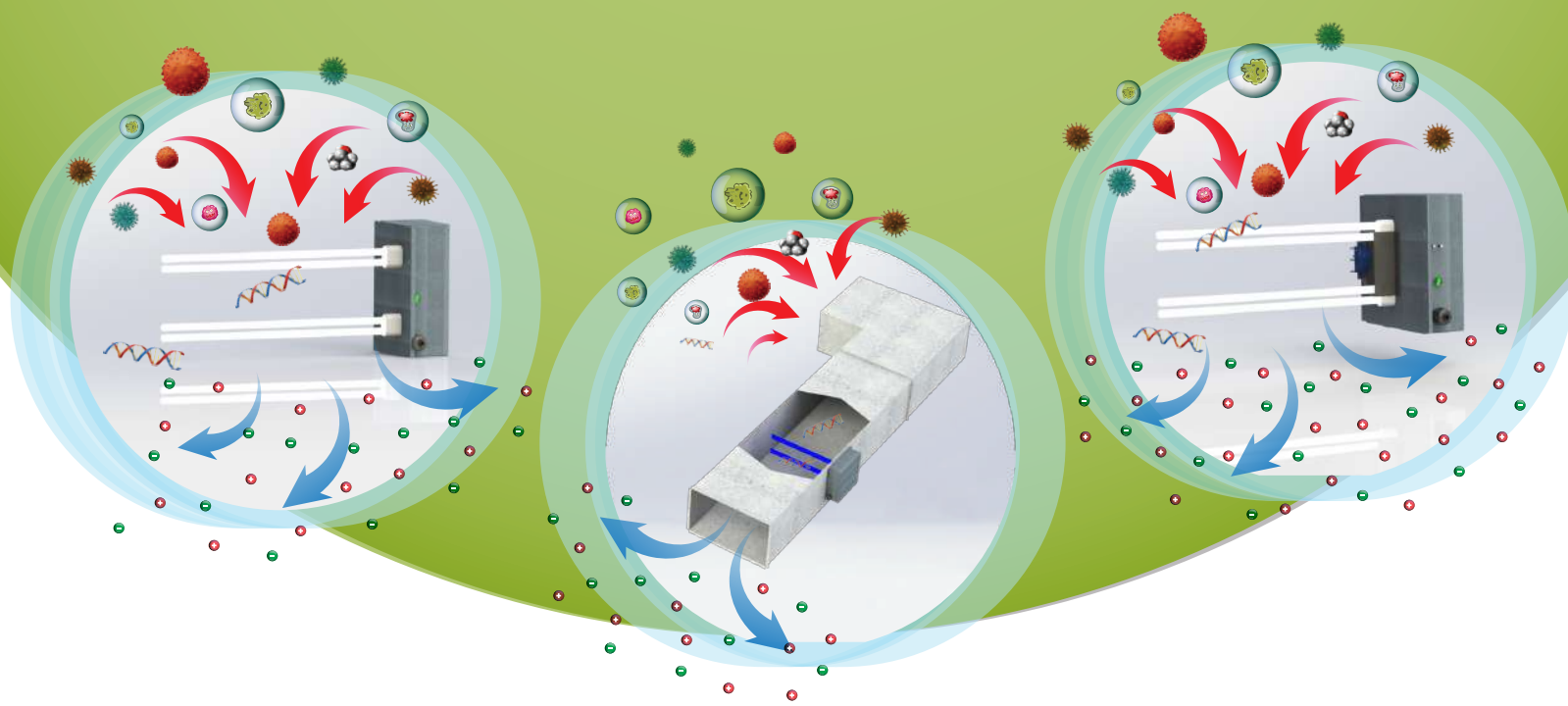


100% Negative
Pressure System

Dual Mode
Recirculation +
Negative Pressure



IN-DUCT UV PLASMA AIR STERILIZER

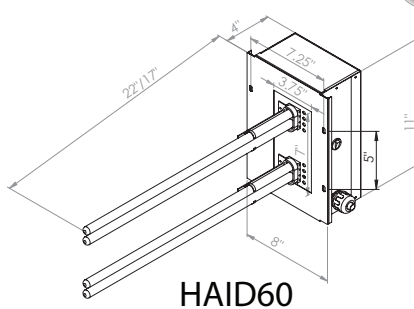
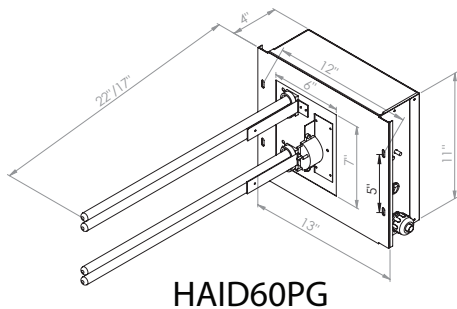


customer to factor in obstruction + barrier to airflow in space

Model: HAID60PG
Capacity: 1500 CFM
Dimensions: 13" X 11" X 26" (W x H x D)
UVC LIGHT: Yes
PLASMA AIR: Yes
Voltage option: 120V/1/50-60Hz
 220V/1/50-60Hz
Amps: 4

Model: HAID60
Capacity: 1500 CFM
Dimensions: 8" x 11" x 26" (W x H x D)
UVC LIGHT: Yes
PLASMA AIR: NO
Voltage option: 120V/1/50-60Hz
 220V/1/50-60Hz
Amps: 4

INSTALLATION DIMENSIONS



TYPICAL INSTALLATION

