

BGM PRION-CID[®]
AIR - STERILISER

WIESPL
Turnkey Solutions for Healthcare!



Keep yourself safe in
your **OPD** from
airborne infections..



**Inventor of
world first
air steriliser
in 1997**



We understand
your needs...

The **Real** air sterility company since 1997

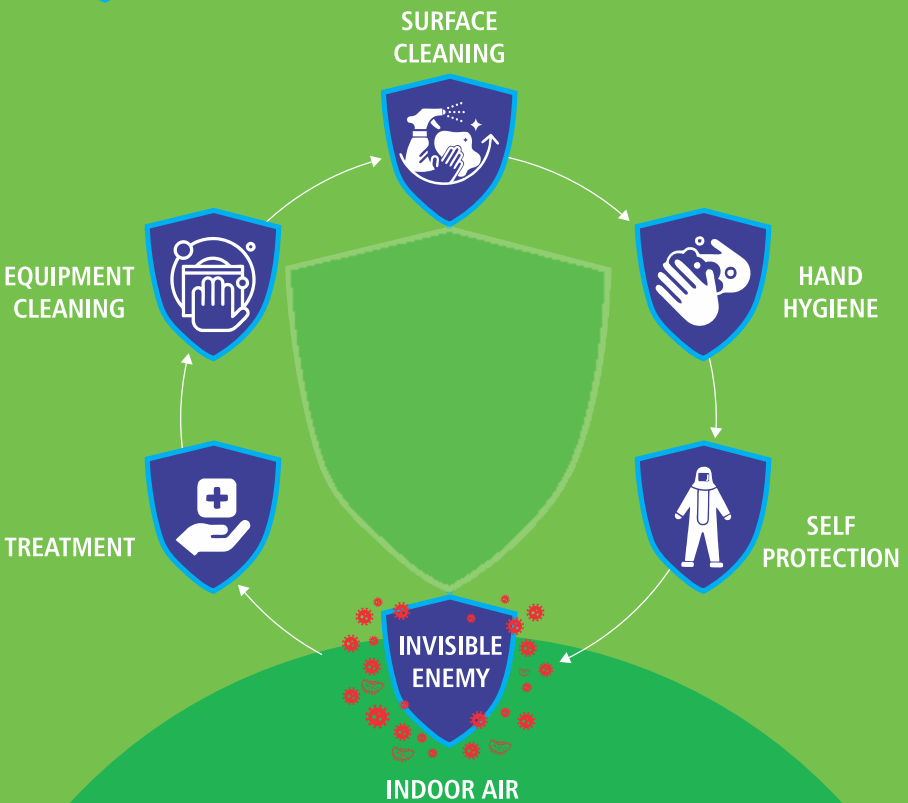
More than **50000 installations** across globe

Why BGM

- Pioneer in Air Sterility since 1997
- Developed India's 1st Air Steriliser for health care
- Benchmark EPIC (Electronic Plasma Incitation Chamber) technology for killing all kinds of living micro organisms & bacteria
- Scientific and research based solutions for handling infectious air

YOUR INFECTION PROTECTION SHIELD

- You have been taking so many efforts in order to reduce, control and prevent airborne infections.
- However, the most potential danger is "invisible". What you can't see has the potential to cause the most damage.



BGM 01

With the
BGM Air Steriliser
we help you
overcome
this threat....



BGM 02

Distancing yourself from your patients is not possible. But, with the **BGM Air Steriliser** you can definitely distance yourself, your staff & your patients from airborne infections.

BGM Air Steriliser Technology



BGM has six stage air filtration technology, capable of active / real-time killing of bacteria and virus. The EPIC (Electronic Plasma Incineration Chamber) technology has been trusted by all kinds of hospitals: nursing homes to institutions, with thousands of installations across India and abroad.

PRE FILTER - Upto 10 micron filtration of larger particles, prevents dust coating and clogging other filters

EPIC FILTER - This is high end technology can killing airborne bacteria, fungus, virus etc. also removes very small dust particles (SPM) from air which in turn act as a carrier of bacteria and viruses.

ACTIVATED CARBON FILTER - for removal of chemically active compound (CACs), formaldehyde fumes, paint/ solvents/ cleaning chemicals fumes, Volatile organic compounds etc.

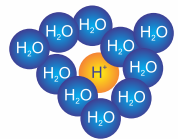
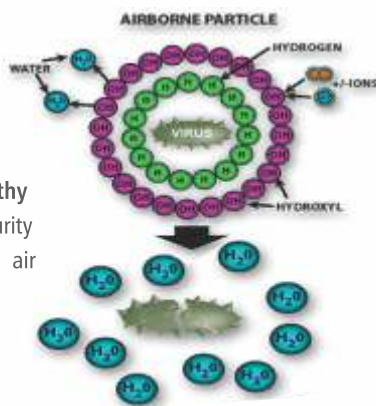
ULTRA VIOLET LIGHT - The germicidal UV light destroys the molecular structure of micro organisms including bacteria and virus thus killing them

PHOTO CATALYST - Photo Catalytic Oxidation (PCO) has the ability to destroy particles as small as 0.001 microns and the titanium element in the PCO utilises the UV light to oxidise the bacteria and virus.

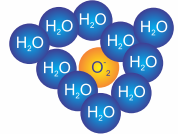
IONIZER - The ionizer releases large amount of anions and makes the oxygen negatively charged, thus gathering the positively- charged particles like floating dust, bacteria, viruses and smoke.

With EPIC technology, air in health care set-ups...

- More clean, More pure, More healthy
- High standards of air cleanliness & purity
- Extremely effective on all kinds air pollutants & contaminants



Positive ions $^+H_2 (HO)^n$



Positive ions $O (HO)^n$

Global technology for local market since 1997

- Winning combination of best air filtration technologies
- Active killing mechanism
- Proprietary technology
- Negative Ions reach every corner of your room
- Ease of use : Self install & maintain
- Designed for 24x7x365 days working cycle

The BGM Air Steriliser has been a very reliable & strong assistant for the healthcare team for reducing & controlling the invisible danger from infectious air inside the room.

Technical Specification

Model	BGM 01	BGM 02	BGM 03
Height	460mm	460mm	460mm
Width	400mm	400mm	660mm
Weight	8 kg. approx.	9.8 kg. approx.	18 kg. approx.
Electrical	220 Volts	220 Volts	220 Volts
Power consumption	30 Watts	38 Watts	70 Watts
C.F.M. & CADR	90 C.F.M. - 153m ³ /hr	120 C.F.M. - 205m ³ /hr	200 C.F.M. - 340m ³ /hr
dB rating	37 dB	43 dB	52 dB
Prefilter	Non woven poly	Non woven poly	Non woven poly
A.C. Filter	Silver impregnated	Silver impregnated	Silver impregnated
Hepa Filter	Efficiency 99.95%	Efficiency 99.95%	Efficiency 99.95%
E.P.I.C.	Germicidal type	Germicidal type	Germicidal type
U.V. Leakage test	Fluorescent powder certified	Fluorescent powder certified	Fluorescent powder certified
U.V. Dose	28,000 µw sec. per cm	38,000 µw sec. per cm	42,000 µw sec. per cm
Microbiological tested by	ISO 9001:2000 Lab	ISO 9001:2000 Lab	ISO 9001:2000 Lab
Area Recommended	1800 cubic feet	2800 cubic feet	4500 cubic feet
Test Method	Air flora sampling with settle plate count	Air flora sampling with settle plate count	Air flora sampling with settle plate count

Applications

OPD chamber / Patient Waiting Area

The OPD chamber is always a compromised air zone due to highly infectious indoor air. The continuous use of air conditioners & presence of "Sick" persons leads to a highly dangerous situation. You, as a doctor along with your staff are constantly exposed to this infection carrying air throughout the day. The OPD waiting areas is an equally explosive infectious zone for all the people waiting for treatment. It is a high potential area for cross-infections & complications especially for the young & senior citizens.



Critical Care Units

ICU / NICU / Burn / Recovery

Critical Care Units need continuous infection free environment. There are serious implications of cross infections & nosocomial infections. The low immunity patients in these areas are easily susceptible to airborne infections which may be life threatening. There is a high risk of morbidity & mortality.

The normal hospital disinfection processes (with chemical agents) cannot be carried out in these areas as they can cause serious damage to the patients.



Operation Theatre / home patient room

The air sterility plays a very crucial role in the OT in ensuring minimum infections during or post surgery. The increased microbiological contamination of air during the surgery increases & is a threat to patient safety & the OT staff alike. Also, during prolonged OT hours, the air keeps getting contaminated & stale which is puts all the occupants to high risk from nosocomial infections. During multiple surgeries in a day, there is no chance of any kind of fumigation or chemical cleaning between two surgeries.

The home patient room or rooms of chronic illness patients (asthma / heart ailment / palliative care / bed-ridden persons etc. need extra attention to ensure that the indoor environment (including the surfaces & air) is maintained with optimum care. Infectious indoor air can lead to serious health issues for these people.





What you can't see does hurt you

- Pathogens, particulates, microbial contaminants & gases etc. – “we often refer to as dust”.... are potential triggers for asthma & allergic diseases
- Pathogens travel on air currents
- Aerosols can travel up-to 50ft in air.
- Foot traffic is known to create re-suspension of 10,000 particles per step
- Indoor air pollutants in hospital environment can cause serious (even life threatening) risk for all the occupants.

DID YOU KNOW?

YOU BREATHE 3400 GALLONS OF AIR EACH DAY

INDOOR AIR IS TYPICALLY 2-5 TIMES MORE POLLUTED THAN OUTSIDE AIR

90% OF YOUR TIME IS SPENT INDOORS

IMPROVE YOUR INDOOR AIR QUALITY AND PROTECT YOUR HEALTH!

Polluted Indoor Air and Your Health

- Allergies
- Irritation to eyes, nose, skin & throat
- Dry cough, headaches
- Nausea & fatigue
- Respiratory & allergic diseases

The BGM Air Steriliser is Indispensable to air conditioned environments / spaces with “No” or “Inadequate” ventilation.

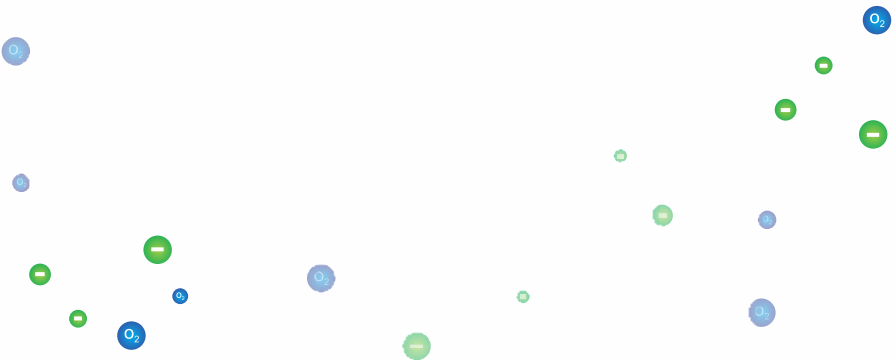
You take care of the Sick,
We take care of YOU!

Understanding the needs
of sterile environments : surfaces & indoor air quality
(infection control)
for Operation theatres,
Critical care areas
Since 1997...

...Because it's more than Just Air !!!



More clean More pure More healthy



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