



# Complete High Quality Disinfection Solution

# COMPANY OVERVIEW

## MODERN SUPPLIES (UAE)

- The global general trading arm of Perfection Group of Companies
- Founded in 2012
- Major company activities:
  - ▶ Medical, Surgical Articles & Requisites Trading
  - ▶ Building materials trading
  - ▶ Hi tech products helping the environment

# OUR MACHINE

1. FogClean is a US patent fogger introduced and launch in July in the US.
2. FogClean produces a dry and wet fog (3.9um average droplet) which will disinfect all areas including hidden surfaces.
3. Since FogClean produces a DRY FOG, it does not damage any electronics and does not leave any residue which needs to be wiped away.
4. Full disinfection coverage guarantee with a proper thick fog (not a spray mist).
5. Due to the microscopic droplets our Dry fog system is currently the only commercial machine that can kill airborne pathogens.
6. There is no need to wet disinfect any surfaces prior to or after dry fogging.
7. We can produce a wet fog if required for all major touch points.
8. We use less solution per minute.

FogClean  
Fogging  
(189ml/min)



(These still  
images  
were taken  
from  
Corporate  
videos)



Market Competitor  
Fogging (mist)  
(470ml/min to 750ml/min)



# FogClean<sup>®</sup> Lite

Backpack System Designed For Optimal Portability And Flexibility

- 1 Main Control Unit on backpack
- 2 Solution/Disinfectant Tank (3 Gallon/11.36 Liters)
- 3 Nozzle Gun Assembly including choice of one nozzle
- 4 Tubing / Conduit Connection (5 feet)



# Ultrasonic Nozzle

Create Fog Droplets That Most Effectively Agglomerate To Pathogens



## Description

The ultrasonic nozzle is the core component of the FogClean system. Ultrasonic nozzles create fog droplets below 10um that most closely match and most effectively agglomerate to pathogens. This is accomplished using compressed air to forcefully push air and liquid disinfectant into a converging and diverging venturi. The process creates a standing shockwave which shears the liquid into very fine droplets. The process also results in a charged fog droplet, similar to that of an electrostatic sprayer, but smaller. The charge further assists the fog in agglomerating with both airborne and surface pathogens.

# OUR SOLUTION



1. BAC is FDA approved and by far the most versatile botanical antimicrobial cleaner available today. It has US patent. It is an ORGANIC solution and not harmful to humans or pets. Non corrosive, safe on food grade products as well.
2. Dubai Municipality Approved.
3. Disinfection level is LOG 5, which is the highest on the market. Eliminate viruses, fungus and bacteria . With the combination with Noroxydiff we will be over LOG 6 as Noroxydiff on its own is LOG 6.

1 colony = 1 million MRSA bacteria

- A 1-log kill reduces the colony to 100,000 MRSA bacteria after a 90% reduction;
- A 2-log kill reduces the colony to 10,000 bacteria after a 99% reduction;
- A 3-log kill reduces the colony to 1,000 bacteria after a 99.9% reduction;
- A 4-log kill reduces the colony to 100 bacteria after a 99.99% reduction;
- A 5-log kill reduces the colony to 10 bacteria after a 99.999% reduction;
- A 6-log kill reduces the colony to 1 MRSA bacterium after a 99.9999% reduction.

# PreVasive Botanical Cleaner - BAC Botanical Antimicrobial Cleaner

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BAC (Botanical Antimicrobial Cleaner) is proven to be a 99.99% effective residual action cleaner.

Over 20 years of research, comprised of expert chemists and engineers, made with organic ingredients and recognized as safe under FIFRA by the EPA and FDA. Within minutes of application, BAC tackles surface damaging mold, organisms, pests, and insects, making it the leading antimicrobial cleaner for both commercial, residential and agricultural use.

BAC is tough enough to clean surfaces in hospitals, schools, daycares and clinics; and yet gentle enough for household surfaces, including: glass, stainless, wood, carpet, and fabrics. BAC is safe for humans and pets- safe enough, even, to be used as a produce wash. BAC, when used on industrial remediation projects, both cleans and provides residual protection against future surface damaging mold and mildew.

BAC provides a sustainable, alternative to eco-destroying products. BAC can be applied as a mist (it doesn't need to be shaken or wiped off) and, unlike many harsh chemical products, it has a mild wintergreen or lemon fresh.



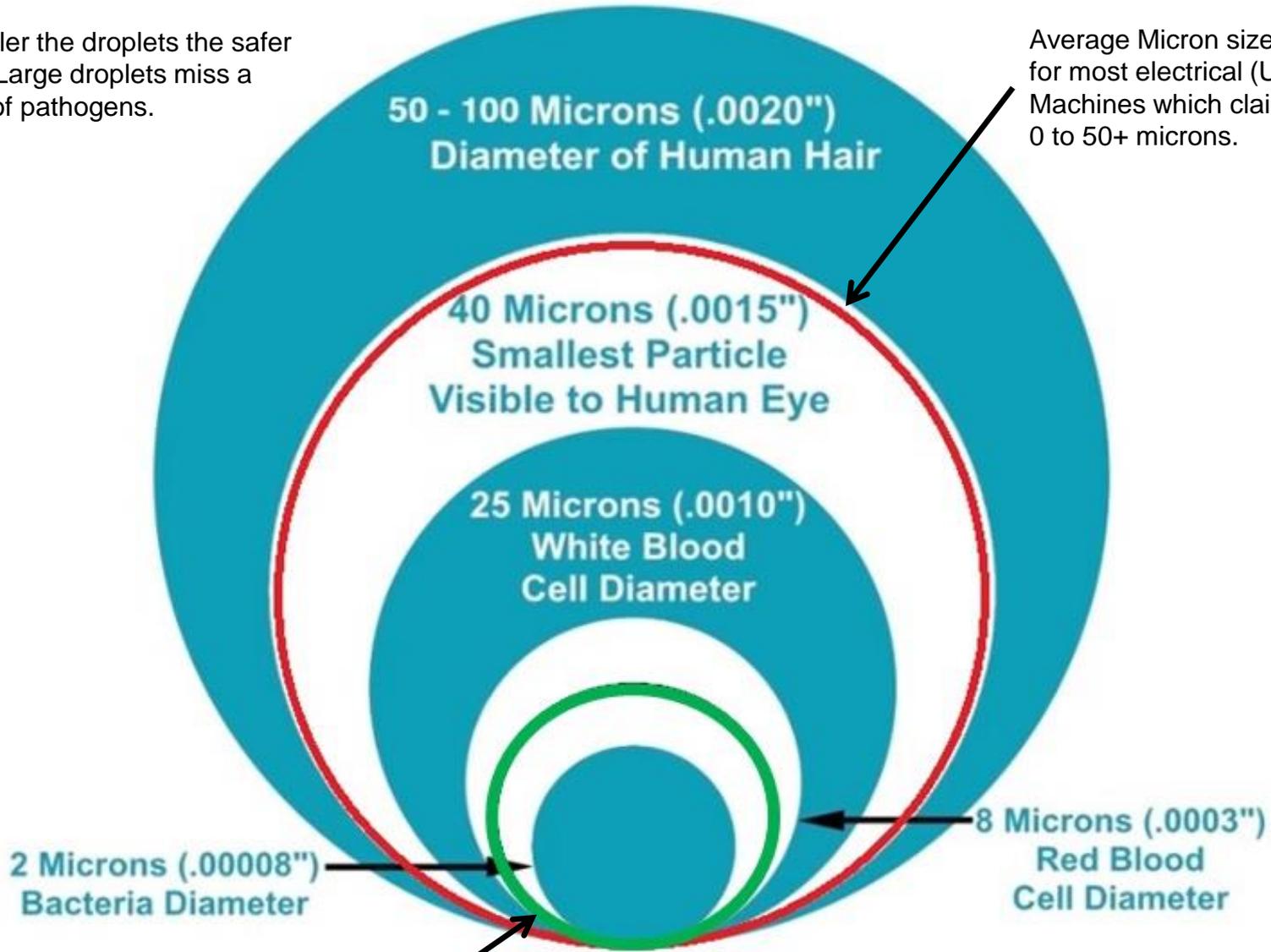
# WHY USE OUR FogClean SYSTEM!

1. Our system can offer both “dry” and “wet” settings activated by a switch on the gun without changing the equipment. Allowing if required, to wet touch surfaces and fog any non-touch surfaces. The trigger activation is on the Gun and not on the machine.
2. FogClean will create a small amount of electrostatically charged particles without the need for batteries or electricity. Very slight but, enough to clean electrical static charge particles. Enough to claim the advantage but, not enough where we have the problems with positively charged areas where other machines have negative results. FogClean machine can be carried in the plane itself as it is not electrical device , which will allow you to get the same quality of cleaning at the final destination if required.
3. Droplet sizes 0.1 to 10um in size, **capable of airborne virus elimination** this means we can actually disinfect as we collide with particles in the air. None of the other systems currently have the capability of doing this!
4. Using Sub 10um droplets allow for a better surface area coverage with less disinfectant. This means in actual theory by producing the on average 3.9um droplet, with a single gallon of solution, we can cover a surface area of 45,000 sq. ft. and up to 21,240 sq. ft. in one hour.
5. We can adjust the fogging thickness by adjusting our pressure systems.
6. We can disinfect without leaving residue if required. This is where we are able to clean electrical items (such as a cockpit of an aircraft or a car or bus) without the worry of damaging the electronics.
7. Different nozzles for multiple flows and different applications allows coverage of larger surface areas in a very short time.
8. We can disinfect and sanitize a 50 sqm room in approximately 2 minutes (as much as 33sqm per minute).
9. We use less cleaning solution per minute than most other systems, as low as 189ml per minute.

# WHY THE MICRONS SIZE MATTERS

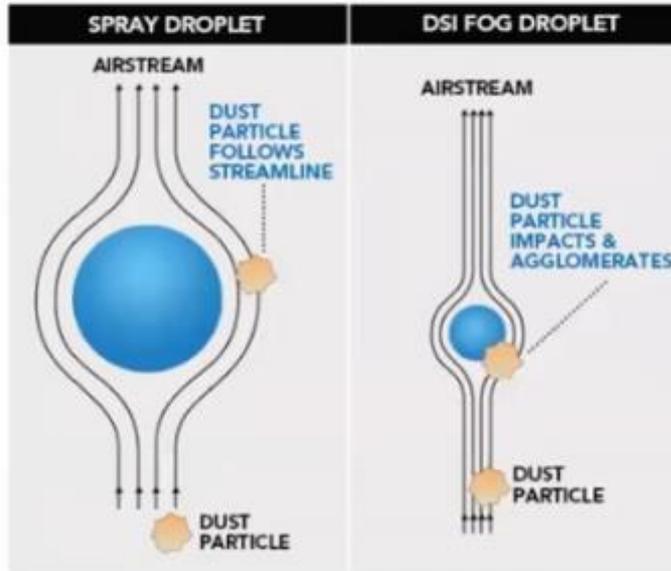
The smaller the droplets the safer you are. Large droplets miss a majority of pathogens.

Average Micron size (40 microns) for most electrical (ULV) fogging Machines which claim between 0 to 50+ microns.



Average Micron size (3.9 microns) with FogClean Lite Machine  
With 92% under 10 microns

# HOW DROPLET SIZE AFFECTS AGGLOMERATION



Most electrical (ULV) fogging Machines Average Size

FogClean Lite Machine Average Size

Droplet Diameter (um)	Number of Droplets/mm <sup>2</sup>
0.2	0
0.4 - 0.2	0
0.9 - 0.4	340
1.8 - 0.9	686
4.5 - 1.8	591
9.0 - 4.5	269
18.0 - 9.0	110
45.0 - 18.0	35
> 45.0	4
<b>Total Droplets</b>	<b>2035</b>
<b>Mean Diameter</b>	<b>3.91 um</b>

FogClean Lite Machine Average Range

Most electrical fogging Machines Average Range

92% under 10um

# CONCLUSION

1. Savings of around 30% to 50% on current costs
2. We can disinfect and sanitize with approximately 50% more efficiency as to your current scenario
3. Brand new and the best organic disinfection solution in the UAE only 3 weeks after US launch

Description	FogClean and BAC	Market Equivalent
Cleaning Solution Value	Log 5+	Between Log 2 and 4
Organic Safe Solution	Yes	No/Yes
Average droplet size	3.9 microns	40 microns
Average sqm per minute	27 sqm per minute	8 sqm per minute
Solution used ml per Min	From 189 ml/min	From 470 ml/min
Switch between Dry and Wet Fog	Yes	No



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# COMPLETE DISINFECTION SOLUTION

As a part of the company strategy we can provide complete disinfection solution including :

1. Fogging machine with organic solution
2. Cleaning of the airport area
3. Fogging gates
4. Covid -19 tests
5. Medical masks , gloves , gowns
6. Sanitizers , single portion sanitizers 2 ml
7. We can customise any product to your needs

## What is Safitizer?

Safitizer is a multipurpose disinfectant sanitizer which protects you and your family from bacteria, viruses and other harmful germs, microbes and diseases. Our Proprietary composition helps sanitize your hands and surfaces quickly and doesn't leave your hands dry.

### Safitizer

- ✓ FDA approved
- ✓ Contains 80% alcohol (v/v)
- ✓ WHO recommended formulation
- ✓ Kills 99.9% of bacteria, viruses and other germs
- ✓ Pleasant High quality perfume
- ✓ Produced in a WHO approved facility

### Local brands

Non FDA & Non Licensed product

Contains 70% or is adulterated with Methanol to cut on cost

Seldomly follows the WHO standards

Claims the same without any clinical trials

Low quality perfumes which harms your palms

Produced in local cosmetic facilities

***For the best protection, you can only trust the best products.***

*PS : Always check for FDA approved mark, Clinically Tested mark and verify them for yours and your families safety*



**safitizer**

Worried about the health & hygiene of your family?  
Worried about what they touch and the cleanliness of their hands?  
Worried about using too much soap to wash your hands and the  
resultant dry skin & irritation?

# Our variants



## Sachets

For single use, use and throw, useful in public places like restaurants, hotels and even gifting purposes.



## 100 ml

Pocket pack, ease of use, carry it with you everywhere in minimum space.



## 500 ml with dispenser

For spaces where regular use is required. It dispenses a certain quantity into the hands of the user for use. Good places where customers/visitors need to be attended to like banks, hospitals, entry point of buildings and at large events.



## 500 ml with spray

For disinfection purposes. Spray the sanitizer over surfaces for a wider coverage and clean the area for disinfection and hygiene.



## 5 litre Can

Used as a refill pack. Cost effective because it can be used in any dispensing bottle and assists in quick refill. Occupies lesser space and helps save the environment by avoiding disposable bottles.

## SANITIZERS OFFER

Sanitizer	Size	Price
Safitiser gel sachet	2 ml	AED 0.45
Safitiser gel bottle	50 ml	AED 3.00
Safitiser gel bottle	100 ml	AED 7.00
Safitiser gel bottle	500 ml	AED 10.00
Safitiser liquid (1 bottle with trigger spray)	1 l	AED 15.00
Safitiser gel canister	5 l	AED 60.00

# FOGGING GATES



## Intelligent Automated Fogging Gate GP-MODEL-X



### FOGGING SYSTEM SPECIFICATIONS

Pump	Aluminum Body, 3 pistons	Main Body Materials	Aluminum Bars Aluminum Cladding MDF Wood Panels 2 mm clear plastic sheets
Power	220V, 180W	Automatic Hand Sanitizer	YES
Max Pressure	70 Bar, 1000 Psi	Dimensions	(L)1200mm x (W)1400mm x (H)2200mm
RPM	1300/50Hz, 1550/60Hz	Weight	160 Kg
Max Flow	0.5L/min	Colors	Customized
Nozzles	14 X 0.15 mm (SS304)	TEMPERATURE SENSOR	
Inlet Pipe	Polyether	Sensor Reading Type	Forehead, LED Screen with mask detection
Filter	High Level Water Filter	Accuracy	± 0.3 °C
Outlet Pipes	Pa12 pipes	Alarm	Voice Alarm
Connectors	SS304		
Material			
Noise	56db		
Oil Change	Every 300h		
Automated Sensor System	Available		



GP - MODEL - X is an INTELLIGENT AUTOMATED FOGGING GATE that is used to disinfect the body, goods, and other objects that are sensitive to spraying water (including papers, mobiles, folders, bags, etc.). This gate can be placed at both public and private space entrances without the need of manpower to operate it. It is simple to use, safe for all age groups, and accurate when testing temperature before disinfection begins.

GP - MODEL - X operates by its self-managed temperature reader through its FOREHEAD READER SENSOR that is highly accurate +/- 0.3 °C. It judges whether there is abnormality in person's temperature reading. A Voice ALARM is set for any abnormal temperature (higher than the set average temperature of 37.9 °C) can't pass through the disinfection channel and will not allow the gate to operate. As well the sensor won't allow anyone to pass without wearing a mask.



For Inquiries, please contact us :

**Modern Supplies LLC**

307-B Saraya Avenue, Garhoud, Dubai

P.O. Box 71599

Tel: +971 4 2545015

Mobile : 050 981 5979

website – [www.modernsupplies.net](http://www.modernsupplies.net) (available but still under construction)

[info@modersupplies.net](mailto:info@modersupplies.net)

For Technical Information and Support:

**Modern Supplies LLC**

Paul Stimpson

Technical Director

Mobile : 056 175 6116



**Thank You**  
For Your Attention