

Frequently Asked Questions: SAMGRAH SWACHH

What is Samgrah Swachh? Why it is termed as Samgrah Swachh?

Samgrah Swachh (literally means – able to sanitize all) is a compact and handy device that generates ozone mixed with water to have numerous applications. It is termed as Samgrah Swachh as it is able to sanitize every item using varied concentration of Ozonated water.

How Samgrah Swachh Works?

It works on the simple principle of using air to develop ozone and when mixed with water acts as readily available disinfection solution.

You call it as import substitute product? What does it mean?

Yes it is an import substitute product as the pic showed is a 220 V ozone generator for domestic use and similar products are being imported. Large number of branded products is available however they are being manufactured outside India and being assembled here in some cases. It is extremely cost-effective to all imported counter parts.



Can it sanitize flower bouquets?

It was observed that large number of people are dependent on the market of flowers however their sales goes down leading to significant impact on society. One of the applications of this technology is to sanitize flowers and bouquets (as alcohol based systems cannot be used) will ensure safety profiling

It is often referred as Fruits and Veggie Wash unit ? How this variant works?

Ozonated water (freshly made) is ideal for washing of Fruits and Vegetables. The Ozonated water is an anti-microbial solution with high oxidative reductive potential. It removes unusual odor too. Just put the gas nozzle into water filled container and leave it for 15 minutes (per 5 Liter of water) and use it for washing fruits and vegetables immediately.

What is time taken to sanitize fruits and vegetables?

Nearly 15 minutes gas mixing time is expected for 5 liter of water followed by dipping for 10 minutes to wash fruits and vegetables.

What are other variants or functional options available for Samgrah Swachh?

- Purifying water for drinking – It can eliminate odors, chlorine, iron, and bacteria.
- Kills bacteria on surfaces – It disinfects kitchen counters and other surfaces by killing bacteria and getting rid of odors.
- Kills Bacteria in the Mouth – With an ozonated glass of water used as a type of mouthwash, you can treat oral infections.
- Clean food – Food like fish, meat, vegetables, and poultry can be free from bacteria and pathogens when washed with ozonated water.
- Removes odors in laundry – your laundry can come out completely odor-free with ozone. Besides that, with its purifying effect, it will also eliminate the need for bleach and would decrease your need for detergent.

Can it disinfect tap water to make it potable for drinking?

It can remove microbial content and make it safe with respect to microbes however level of Total Dissolved Solids (TDS) remained same. Thus, it might not be potable for drinking as TDS remained high.

Ozonated Water has numerous applications includes wound cleaning, how much time Samgrah Swachh will take to develop such antiseptic water?

Samgrah Swachh takes about 5 minutes per 200 ml of RO water to make it use for wound cleaning process.

What are possible uses in Research and Development set up?

Ozonated water is being tested for drain wash research programmes, odor removal from fruits, vegetables and meat products; dental hygiene, equipment wash, OS Sterile Strip testing kit, therapeutic purposes and widespread anti-microbial applications in research arena. The field is evolving at a faster rate.

Ozonated water is extremely beneficial in dental hygiene, whether it can replace daily usable mouth washes? Whether Samgrah Swachh generates safe mouth wash?

Yes, it is often used in dental hygiene both at domestic and clinical level. It can replace daily usable mouth wash by freshly preparing Ozonated Water using Samgrah Swachh.

Does it have any application in dental clinics?

Yes, it can be used for cleaning mouth in between ongoing dental work like filling, cleaning and other operations.

Whether it can be used for mild cloth wash and making them microbes free?

Yes in mild cloth wash especially white or light colored clothes can easily be made microbial free by using freshly prepared Ozonated water. Just dip them in freshly made Ozonated water using Samgrah Swachh.

What are possible uses in hotels?

In hotels, sanitization of fruits and vegetables, frozen meat and its products, odor cleaning exercises and in COVID-19 situations, each room should have one for small personal sanitization / mouth wash etc to be used by guests.

Can it's product be put into eyes or nasal drops?

No we don't recommend any such use.

Whether the product Ozonated water generated by Samgrah Swachh is injectable?

No we don't recommend any such use.

Can we directly smell ozone from the diffuser? Is it safe?

No, one should not directly smell ozone from diffuser inspite being safe as ozone levels are extremely low.

How you can test that ozone is coming out ? Is there any kit available?

Yes, sample tablets are available on demand to ascertain that Ozonated water is developed.

When the machine is ON, a slight smell of ozone is generally felt? Is it safe?

Yes, it is absolutely safe and extremely lower in concentration than accepted occupational levels as per OSHA global standards.

What precautions to be taken while keeping it at home or at health care unit?

Some of basic precautions to be undertaken while using Samgrah Swachh at home or health care unit include following:

- (a) Keep it away from children
- (b) Don't keep nozzle near to your nose or mouth while machine is ON
- (c) Don't keep near fire
- (d) Keep it in upright position while operating the machine
- (e) Keep plugs dry while putting it into socket

Is there any fire hazard?

Being electrical item, electrical hazards are always there however since power consumption is extremely less, probability is very low. The ozone doesn't fire thus no fire hazard with respect to ozone.

Is there any recurring cost other than electricity consumption?

No, there is no such cost associated with product.

Is there any additional consumable required with Samgrah Swachh?

No, there is no additional consumable required with product.

How it is used along with Ultra Swachh and Poorn Swachh?

Samgrah Swachh (literally means – able to sanitize all) is a compact and handy device evolved from the concept of testing Ozonated Space Sterile strips which is a chemical indicator for Poorn Swachh and Ultra Swachh technology. It is a part of QC/QA kits of all these technologies. Once the prototype is developed, a large number of its applications are envisaged during present / future pandemics as well as battle fields.

What is the level of ozone generated per hour?

Samgrah Swachh produces 400 mg/ h of ozone.

Is it completely indigenous?

Yes it is completely indigenous.