

## **ENCEE Chlor Disinfectant Tunnel: A step towards COVID-19 precaution**

India, like the rest of the world, is facing an invisible enemy.

COVID-19 is a powerful virus spreading aggressively across the globe and is showing no signs of stopping. With no vaccination or cure for this virus so far, we can only contain it through appropriate precautions like staying indoors, washing hands, and disinfecting places and people exposed to air.



We, at Rite water solutions, have developed a unique disinfecting solution called **ENCEE Chlor Disinfection Tunnel**. It is installed at entrances of public places, disinfecting the people going through them to prevent the spread of the virus.

### **ENCEE Chlor Disinfection Tunnel:**

We created this solution to provide value to the places that cannot stop functioning during this pandemic and need to protect the people from the virus. The **Full Body Disinfection Tunnel** comes with an integrated, hydraulic system for the atomization of any biocides, virucides, and protozoa including the novel coronavirus.

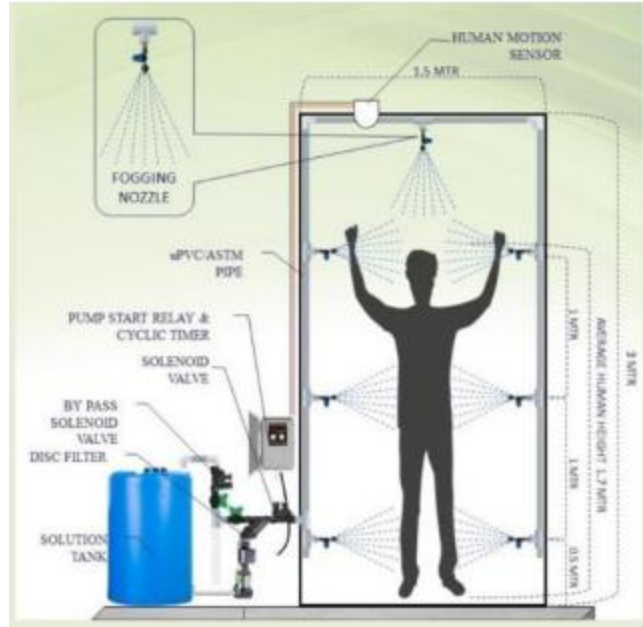


The system is a superstructure with a high-pressure pump, a weatherproof control panel, a contactor, a digital counter, sensors, a micron filter, a biocide tank, and finally, a biocide generator.

It protects everyone, particularly the ones working in close contact with groups and are therefore at higher risk of catching the virus.

### **How does it work?**

The tunnel contains atomized liquid sprays that effectively saturate the environment. In this way, it is possible to disinfect even those surfaces that are not directly exposed to the nozzles.



The tunnel creates a compulsory passage and is equipped with internal atomizing nozzles that saturate the environment with the biocide. It is connected to a control system that is capable of automatically mixing the sanitizing product. Access to the tunnel is regulated by motion detection.

Here's a breakdown of the impact of this installation:

Biocide Spray duration / person	5	Sec
No. of Persons disinfected / min	10	pax/min
Biocide Tank Volume	100	Ltr
No. of Persons disinfected in 100 Ltr	300-600	pax
Electric Load	1	kWh
Total Sanitation Cost / Person	0.04	₹

**ENCEE CHLOR – Onsite Biocide Generator:**



We designed the **Onsite Sodium Hypochlorite Generator** - a strong disinfectant that can be used as a liquid spray in the tunnel.

It is an economical solution for sanitation against all kinds of viruses & bacteria.

The machine consists of three parts namely, a reactor tank, a power pack, and an electrolyser.

**Key Reaction:**

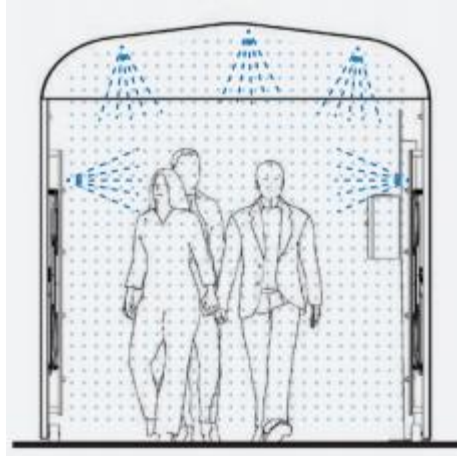


(Salt) (Water) (Hypo)

**WHO and UNICEF** recommend the use of **0.5% chlorine solution for disinfection** of surfaces and **0.05% chlorine solution for hand wash** for protection against coronavirus.

**The applications of ENCEE Chlor Disinfectant Tunnel**

The ENCEE Chlor Disinfectant tunnel can be used in public places like shopping malls, colleges, schools, factories, office complexes, malls, theaters, hospitals, markets, airports, and railway stations.



It can also be used to sanitize ambulances, mobile healthcare units, and other vehicles.

Let's fight COVID-19 by disinfecting our surroundings and keeping clean.