

Introducing **AUTOMATIC SANITIZING GATE**  
for the use in **HAZARDOUS AREA**  
("INTRINSICALLY SAFE") to fight against  
COVID 19 in today's marine industry by  
**SUNFLOWER LTD.**



# INTRODUCTION OF THE COMPANY

- ▶ SUNFLOWER LTD. is a Hong Kong based company established in 1994.
- ▶ SUNFLOWER LTD. is a innovative product development company which is serving various industries over two decades.
- ▶ SUNFLOWER LTD. head office is located in Hong Kong, manufacturing plant in China and warehouse in Germany for over 25 years.

# INTRODUCTION OF SANITIZING GATE

- ▶ **WORLD'S FIRST INTRINSICALLY SAFE AUTOMATIC SANITIZING GATE** specially designed technology, manufactured by SUNFLOWER LTD. to keep the sea farers safe against any infection including COVID 19.
- ▶ Gate for the Hazardous area are pneumatically operated with air pressure of 5 to 8 Bar.
- ▶ Sanitizer in the mist form kills almost 99% of germs (such as virus, bacteria etc.),when passed through the sanitizing gate.
- ▶ Especially for the use in Hazardous and non Hazardous areas
- ▶ Compact design
- ▶ Easy transportation
- ▶ Easy installation
- ▶ Automatic operation
- ▶ Premium quality product
- ▶ Low maintenance
- ▶ Most Economical
- ▶ We also make electrical operated gates, which can be used in Non-Hazardous area.

# IMPORTANCE OF SANITIZING GATE

- ▶ In present COVID 19 situation whosoever or whatever comes on board from outside is a potential threat to the vessels crew.
- ▶ Pilots, agents, port authorities, stevedores and on-signers as well as their baggage's also possess a great risk.
- ▶ Stores, spares and provisions from outside also increase the chances of spreading infection.
- ▶ Once all above pass through the sanitizing gate before boarding, it reduces chances of getting the virus spreading drastically.



Only temperature checks may not be reliable due to many asymptomatic cases.

Also chances of bringing the virus through clothing and personal effects is not eliminated.



On-signers as well as their baggage's also possess a great risk.

If all passed through the sanitizing gate, then the chances of spreading virus reduces drastically.



Stores, spares and provisions supplied from outside also possess a great risk of spreading the virus on board.



Onboard crew are too worried as the chances of spreading the infection increases because of crew change and the supplies.

Installation of sanitizing gate will improve confidence and moral of ship staff.



Our goal is to make safe  
ship & happy ship.

**“Finally get rid of your  
sanitization worries with  
our new innovation”**

**Visit us : [www.sunflower.hk](http://www.sunflower.hk)**

# FAQ

Q : Can we use this product in hazardous area?

A : Yes, this is a completely intrinsically safe product and can be used in hazardous environment.

Q : Can this gate be installed by ship's staff?

A : Yes, installation is very simple. It comes with a step-by-step pictorial instruction manual. It takes about 20 – 30 min for complete installation.

Q : Is the product is very heavy and is there any transportation difficulties due to its size?

A : The product is not at all heavy, specially packaged compactly to reduce transportation costs.

Q : Is the product operation Automatic or someone has to operate it ?

A : Yes the operation is fully automatic.

Q : What type of maintenance required and is it fail-safe?

A : This is completely maintenance free product. In case automation fails , unit can be operated manually.

Q : What type of chemical can be used?

A : Any approved disinfectant can be used. These can be provided by any ship chandler world wide.

Q : Do you have also gates for the use in Non-Hazardous area at more economical price.

A : Yes we have electrically operated sanitizer gates at much cheaper rate then Intrinsically safe gate