

# SANITISATION WALK THROUGH SPRAY BOOTH

STOP THE SPREAD OF COVID-19



**BoomGate**  
**Systems** (PTY) LTD

Reg.No. 98/23505/07 Engineering Access Control



# SANITISATION WALK THROUGH SPRAY BOOTH

**STOP THE SPREAD OF COVID-19**



## APPLICATION

- Shopping Malls
- Super Markets
- Offices
- Schools
- Banks
- Hospitals
- Mines
- Commercial/Industrial Use

*To Disinfect People  
From Harmful & Contagious  
Viruses, Bacteria & Fungi*

## FEATURES

- To disinfect and sanitise people effectively from harmful and contagious viruses, bacteria and fungi.
- To disinfect parcels and stock entering warehouses and being dispatched from warehouses.
- Can also be used to disinfect shopping trolleys and baskets.
- Designed for interior and exterior use.
- Wheel Chair Friendly

## CONFIGURATION

### ▪ Spray Booth available in two sizes:

#### ▪ **Human Application**

Spray Booth opening

(W) = 1.2m (H) x 2.2m (L) x 2.1m excluding ramps. With ramps = 4m

#### ▪ **Goods/Trolleys Application**

Spray Booth opening

(W) = 1.4m (H) x 2.2m (L) x 2.1m excluding ramps. With ramps = 4m

Roller Conveyors = 4m

#### ▪ **Access Ramps**

(L) 950 mm x (W) 1.2m, ensuring a user friendly approach angle especially for wheel chairs, mobile scooters, trolleys, bicycles. The ramp is manufactured from durable non-slip tread plate.

▪ Sanitisation Walk Through Spray Booth is manufactured from mild steel powder coated. Stainless steel available on request.

▪ Innovative design allows for unit to be flat packed for economical transportation, easy access through confined spaces and quick assembly.

### ▪ **Spray Booth consists of 2 components:**

▪ Sanitisation Walk Through Spray Booth

▪ Pump and Tank on Stand - tank is connected to the Sanitisation Walk Through Spray Booth by means of a high quality quick release mechanism. Depending on application, tank size can be changed for bigger volume. Standard unit is supplied with a 260L Tank.

### ▪ **Pump**

▪ 220V AC, 50 kHz, 75W - Standard. Options available: 110V AC / 12V battery back up / solar operating system is available on request.

▪ Stainless steel casing, low noise level.

▪ Operating Pressure is between 3.5 – 4.5 bar depending on application.

▪ Flow rate is fully adjustable which is required on various environmental conditions, like variable temperature changes.

▪ Suitable to produce Fog and fine atomised mist to ensure the most effective and efficient use of the disinfectant.

▪ Fogging is the most effective way to apply the Disinfectant Solution without feeling drenched with the solution.



- System has an inline filter to prevent particles from blocking the nozzles.
- The pump produces a constant pressure through all the nozzles during the disinfection cycle from start to finish.
- Pump automatically circulates the chemicals to ensure that there are no sediments at the bottom of the tank, especially when system is standing idle. This is a very important feature to have to keep the concentration level of the disinfectant solution consistent at all times. Without this feature the chemical concentration will be stronger at the bottom of the tank in comparison with the chemical at the top of the tank.
- The system automatically mixes the chemicals in the tank, no need to mix manually.

#### ▪ Nozzles

- Suitable for Fogging and Misting.
- All nozzles operate with the same pressure dispensing equal amount of disinfectant in the spray booth.
- The nozzles have a shut down valve that stops the nozzles from dripping after dispensing disinfectant solution.
- Nozzles can be removed with ease for cleaning, when required.
- Flow rate adjustable from 3.5 – 4.5 bars.

NOZZLE OPERATING PRESSURE	FLOW RATE PER MINUTE	FLOW RATE PER SECOND	SPRAY TIME	ML PER SPRAY SESSION	25L SPRAY= R425 NO. OF PEOPLE SPRAYED	260L = R4 420 NO. OF PEOPLE SPRAYED	COST PER APPLICATION	260L TANK SPRAY TIME
3.5 Bar	510ml	8.5ml	5 sec	42.5ml	588	6117	R0.85	8.5H
4.0 Bar	540 ml	9ml	5 sec	45ml	555	5777	R0.90	8H
4.5 Bar	570ml	9.5ml	5 sec	47.5ml	526	5473	R0.95	7.5H

***The above table is based on 100 L Disinfectant ready to use at a cost of R1700.00.  
The above is an example***

## FEATURES

- Stand alone unit, portable with adjustable feet. Can be fitted with Castor Wheels.
- Complete with on/off durable, non slip, tread plate ramp.
- Fully automated, triggered by Infra Red Beam.
- Adjustable spray time.
- Adjustable flow rate.
- Non slip tread plate floor with built in drip tray.
- Wide opening for easy access with trolleys, wheel chairs and prams.
- Tank Capacity: Standard 260L – can be upgraded.
- High quality 220v pump with stainless steel casing. Low noise level.
- Pump automatically circulates the chemicals to ensure that there are no sediments at the bottom of the tank, especially when system is standing idle.
- The system automatically mixes the chemicals in the tank, no need to mix manually.
- Low voltage, LED light will light up when sanitisation is in progress.

## SPECIAL DESIGN FEATURES

- The Sanitisation Walk Through Spray Booth is stand alone with no high voltage connected to it, like 220V mains to power the pump. Only 12V DC is used in the Sanitisation Walk Through Spray Booth. This feature makes the Sanitisation Walk Through Spray Booth the safest on the market.
- The Pump Station is stand-alone and is connected to the Sanitisation Walk Through Spray Booth by means of a flexible hose with a quick release coupling.
- Suitable to produce Fog and fine atomised mist to ensure the most effective and efficient use of the disinfectant.
- The Fog Mist Spray System is designed by a specialist with 24 years design and practical experience obtained locally and internationally.
- Only the tip of the spray nozzle is visible inside the spray booth, as the rest of the nozzle and the plumbing is protected with steel cover plates. This ensures that the spray nozzle is protected from vandalism and accidental bumping which can cause system failure.
- The Sanitisation Walk Through Spray Booth can operate in dual direction.

## DISINFECTANT SOLUTION

- 100% natural & does not contain any hazardous or toxic chemicals like alcohol, QUATS or chlorine .
- SABS , EPA , NRCS approved.
- Safe for clothing, skin and other materials.
- Disinfects body, shoes & clothes
- Full specification available on request.

## STANDARD BOOTH DIMENSIONS

### Outside

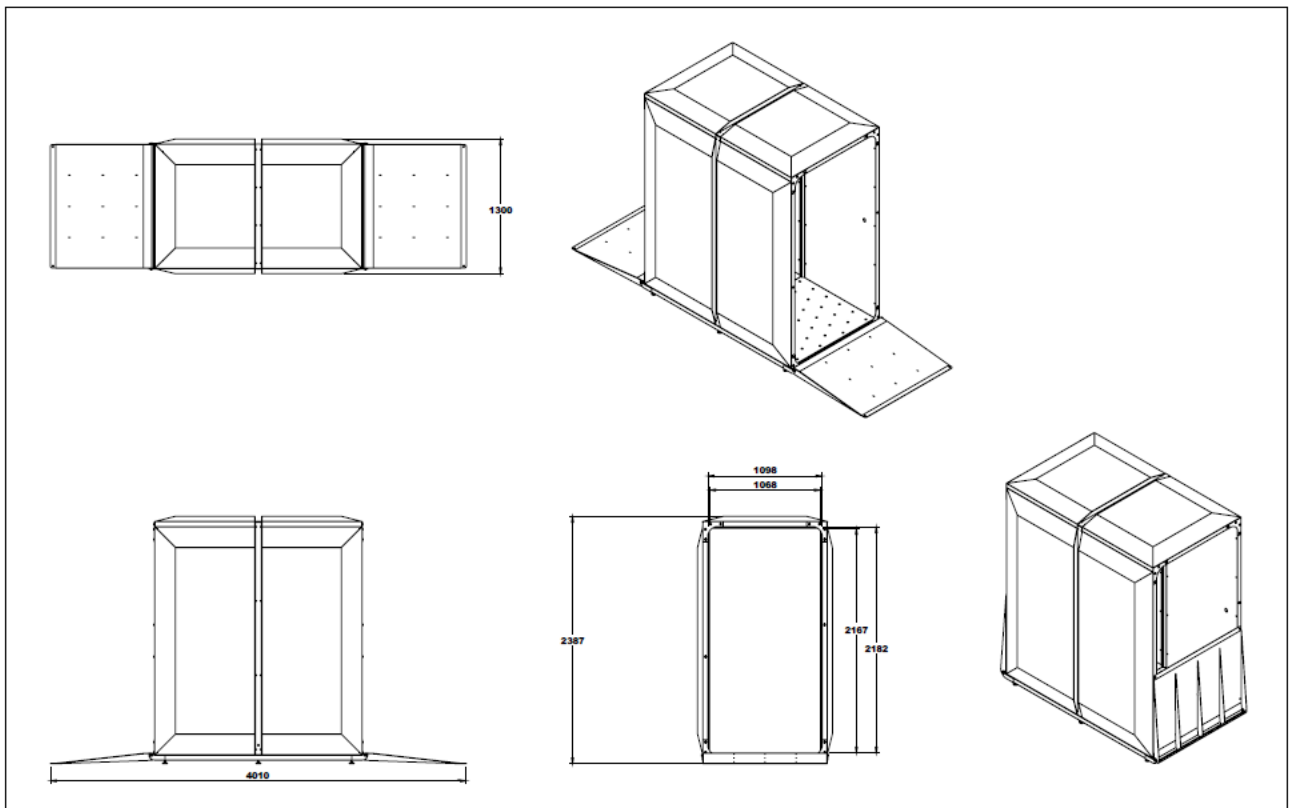
- Height – 2387mm.
- Width – 1300mm
- Length – 2000mm excl Ramp
- Length – 4010mm with Ramp

### Tunnel opening

- Height – 2167mm
- Width – 1100mm
- Length – 2100mm

### Pump Stand

- Height – 1100mm
- Width – 900mm
- Length – 1100mm



### Flat Pack Size:

- Booth: (L) 2200mm x (W) 1400mm x (H) x 800mm @ 570 kg
- Pump & Tank : (L) 1100mm x (W) 900mm x (H) x 1100mm @ 150 kg

## GOODS BOOTH DIMENSIONS

### Outside

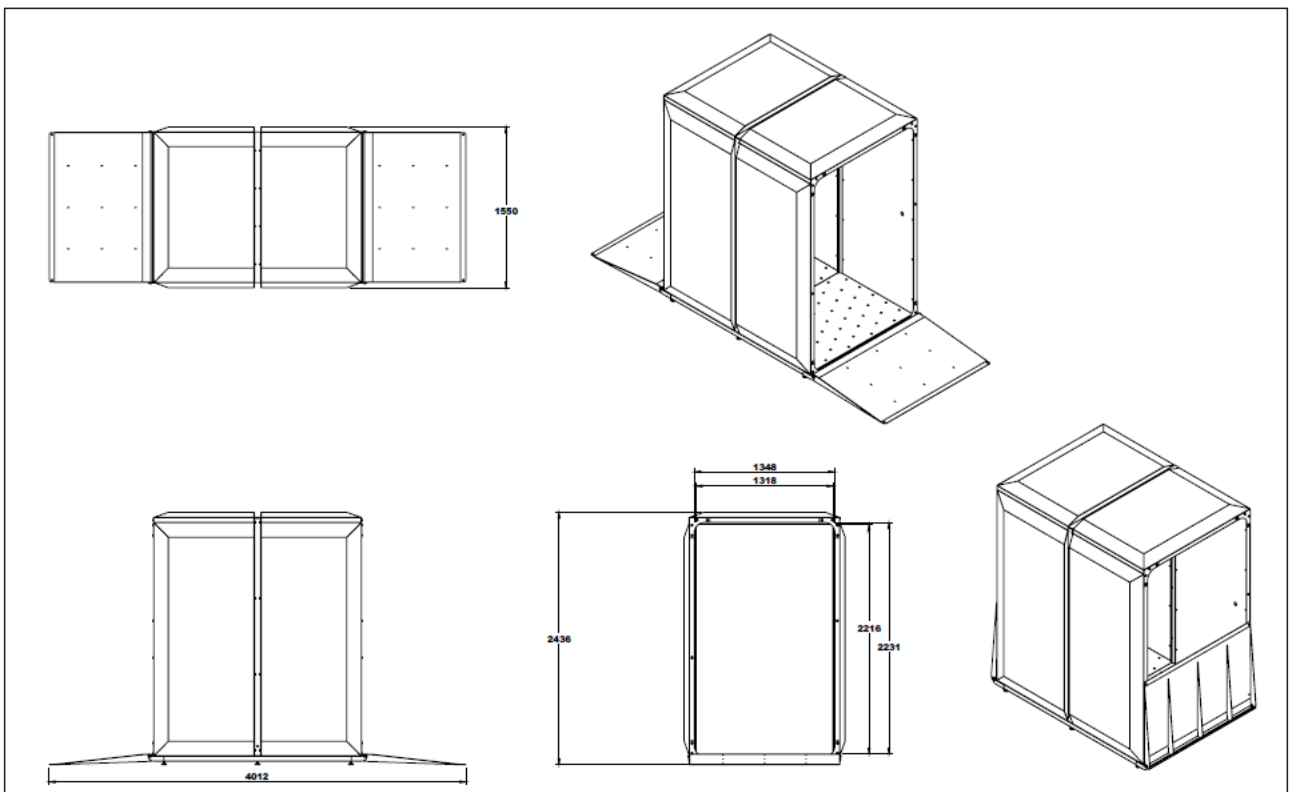
- Height – 2436mm.
- Width – 1550mm
- Length – 2000mm excl Ramp
- Length – 4010mm with Ramp

### Tunnel opening

- Height – 2216mm
- Width – 1350mm
- Length – 2000mm

### Pump Stand

- Height – 1100mm
- Width – 900mm
- Length – 1100mm



# COVID-19 PRODUCT RANGE



MANTRAP SANITISING TURNSTILE



HANDS FREE DISPENSER  
FOOT PEDAL S/S



AUTOMATED HANDS FREE  
DISPENSER



COVID-19 PROTECTION SCREENS – BUSINESS & RETAIL



FOOT DOOR OPENER



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