

PTX003 USER MANUAL



1. Scope of Application

Product is applicable for home or office use in air disinfection. UVC light (wavelength: 253.7nm) and Ozone Generating UV (wavelength: 185nm) are used together to achieve double effects in pathogens (bacteria & virus) killing. It is effective towards bacterial propagules, spores, mycobacteria, viruses, fungi, Rickettsia, mycoplasma, etc.

For indoor environment with little ventilation, **UVC Ozone-Flow Sterilizer** could be used to disinfect the area by killing mites & pathogens.

If **UVC Ozone-Flow Sterilizer** is used against specific items , items could be spread out around it to improve disinfection effect. Items directly exposed to UVC of strength $70\text{uW}/\text{cm}^2$ could be sterilized in 30 minutes.

Optimal working environment temperature is $20 - 40^\circ\text{C}$. If the temperature is too low, operating duration should be extended to achieve same disinfection effect. Do not use the lamp when environment temperature is too high to avoid damage to the product.

Working environment should be reasonably clean (not dusty) and dry during usage. Please keep the Relative Humidity at 40-80% or operating duration should be extended to achieve same disinfection effect.

NATIONAL SALES CENTRE - 010 202 3400 | TECHNICAL - 010 202 3500

EDENVALE - HEAD OFFICE
26 Nguni Drive, Longmeadow
Business Estate West, Edenvale
010 202 3300
info@acdc.co.za

GERMISTON
Sharland Street, Driehoek,
Germiston, Gauteng
011 418 9600
germiston@acdc.co.za

PINETOWN
Unit 10, Pine Industrial Estate,
Pineside Road, New Germany
031 700 4215
kzn@acdc.co.za

RIVERHORSE
6 Riverhorse Close, Riverhorse
Valley Business Estate, Durban
031 492 4800
kzn@acdc.co.za

CAPE TOWN
8 Paarden Eiland Road, Paarden
Eiland, Cape Town, South Africa
021 492 2000
cape@acdc.co.za

2. Product Dimension Diagram

PTX003WH & PTX003 :



NATIONAL SALES CENTRE - 010 202 3400 | TECHNICAL - 010 202 3500

EDENVALE - HEAD OFFICE
26 Nguni Drive, Longmeadow
Business Estate West, Edenvale
010 202 3300
info@acdc.co.za

GERMISTON
Sharland Street, Driehoek,
Germiston, Gauteng
011 418 9600
germiston@acdc.co.za

PINETOWN
Unit 10, Pine Industrial Estate,
Pineside Road, New Germany
031 700 4215
kzn@acdc.co.za

RIVERHORSE
6 Riverhorse Close, Riverhorse
Valley Business Estate, Durban
031 492 4800
kzn@acdc.co.za

CAPE TOWN
8 Paarden Eiland Road, Paarden
Eiland, Cape Town, South Africa
021 492 2000
cape@acdc.co.za

3. Product Features

UVC Ozone-Flow Sterilizer uses adequate amount of pathogens killing ozone and high power UVC to achieve double disinfection (pathogens killing) , UVC have no residue when power off. Ozone molecules also reduced to harmless oxygen molecule in short time with no residue.

In an unmanned environment , manually adjust the product to use direct UVC irradiation to kill pathogen. At the same time, ozone is rapidly released by UVC fluorescent tubes and diffused into air by build-in ventilation fan, which reach and kill pathogens.

In a manned environment , to avoid skin and eye damage due exposure to UVC , manually adjust the product to a short period (≤ 60 minutes) in well ventilated area. Ventilation fan will suck air inside the sterilizer body and use UVC to kill air pathogens, while circulating ozone to the working environment to achieve disinfection.

Timer function is available . Switch is available to power on the product, and timer could be initiated with a time lag of 20 seconds, allowing operators to have sufficient to leave the UVC environment. 30 minutes or 60 minutes timer function is available. Product could be collected when timer stops to ensure user safety.

NATIONAL SALES CENTRE - 010 202 3400 | TECHNICAL - 010 202 3500

EDENVALE - HEAD OFFICE
26 Nguni Drive, Longmeadow
Business Estate West, Edenvale
010 202 3300
info@acdc.co.za

GERMISTON
Sharland Street, Driehoek,
Germiston, Gauteng
011 418 9600
germiston@acdc.co.za

PINETOWN
Unit 10, Pine Industrial Estate,
Pineside Road, New Germany
031 700 4215
kzn@acdc.co.za

RIVERHORSE
6 Riverhorse Close, Riverhorse
Valley Business Estate, Durban
031 492 4800
kzn@acdc.co.za

CAPE TOWN
8 Paarden Eiland Road, Paarden
Eiland, Cape Town, South Africa
021 492 2000
cape@acdc.co.za

4. User Guide



Reverse control to restore mode.

Keep the UVC tube clean (no dust, oil stain or dirt) before use. Clean with alcohol if necessary.

Connect the plug and switch the plug on cable to start operation.

Use timer button to setup 30mins or 60 mins sterilization mode. Operation starts after 20 seconds for user to leave the environment safely.

Please store the product in safe place with no access by minors to avoid injury due to mis operation

NATIONAL SALES CENTRE - 010 202 3400 | TECHNICAL - 010 202 3500

EDENVALE - HEAD OFFICE
26 Nguni Drive, Longmeadow
Business Estate West, Edenvale
010 202 3300
info@acdc.co.za

GERMISTON
Sharland Street, Driehoek,
Germiston, Gauteng
011 418 9600
germiston@acdc.co.za

PINETOWN
Unit 10, Pine Industrial Estate,
Pineside Road, New Germany
031 700 4215
kzn@acdc.co.za

RIVERHORSE
6 Riverhorse Close, Riverhorse
Valley Business Estate, Durban
031 492 4800
kzn@acdc.co.za

CAPE TOWN
8 Paarden Eiland Road, Paarden
Eiland, Cape Town, South Africa
021 492 2000
cape@acdc.co.za

5. Product Specifications

Specifications	Rated Value
Rated Power	38W
Nature of Light Source	UVC (253.7nm) Ozone UV (185nm)
No. of UVC Tubes	1 Tubes
Product Functions	Kill Pathogens Ventilation Fan Timer
Working Temperature	20-40°C
Working Humidity	40-80% RH
Input Voltage	AC220-240V AC100-120V
Working Frequency	50/60HZ
PF	0.5
Timer Time	15 mins. 30 mins. 60 mins.
Timer Lag	20s
Beam Angel	360°
Mode Size	210*210*470mm
Ingress Protection	IP20
UVC Tube Lifespan (Replaceable)	1,000 Hrs.

NATIONAL SALES CENTRE - 010 202 3400 | TECHNICAL - 010 202 3500

EDENVALE - HEAD OFFICE
26 Nguni Drive, Longmeadow
Business Estate West, Edenvale
010 202 3300
info@acdc.co.za

GERMISTON
Sharland Street, Driehoek,
Germiston, Gauteng
011 418 9600
germiston@acdc.co.za

PINETOWN
Unit 10, Pine Industrial Estate,
Pineside Road, New Germany
031 700 4215
kzn@acdc.co.za

RIVERHORSE
6 Riverhorse Close, Riverhorse
Valley Business Estate, Durban
031 492 4800
kzn@acdc.co.za

CAPE TOWN
8 Paarden Eiland Road, Paarden
Eiland, Cape Town, South Africa
021 492 2000
cape@acdc.co.za

Warnings



Before any physical operation, make sure the power is off

Before UVC direct irradiation disinfection (extend mode) start processing, make sure all human and animals are evacuated to avoid skin damage or eye injury

If UVC is on unexpectedly, swiftly turn off the power button. In urgent situation, use opaque material to cover the light source and then cut the power. UVC have weak penetrating power which could be stop by normal glass (UVC only transmit through high transmission glass like quartz or high boron glass).

If skin (>2mins) or eye (>10seconds) is exposed to UVC light source, seek qualified medical expert for immediate treatment.

Remove all the plants before using the product as prolonged exposure to ozone could turn leaves yellow or even wither

After using product in enclosed area, ventilate the room for 30 minutes before entering. This could effectively avoid discomfort in respiratory tract discomfort, dizziness, headache, sore throat, or poor breathing due to high ozone concentration

NATIONAL SALES CENTRE - 010 202 3400 | TECHNICAL - 010 202 3500

EDENVALE - HEAD OFFICE
26 Nguni Drive, Longmeadow
Business Estate West, Edenvale
010 202 3300
info@acdc.co.za

GERMISTON
Sharland Street, Driehoek,
Germiston, Gauteng
011 418 9600
germiston@acdc.co.za

PINETOWN
Unit 10, Pine Industrial Estate,
Pineside Road, New Germany
031 700 4215
kzn@acdc.co.za

RIVERHORSE
6 Riverhorse Close, Riverhorse
Valley Business Estate, Durban
031 492 4800
kzn@acdc.co.za

CAPE TOWN
8 Paarden Eiland Road, Paarden
Eiland, Cape Town, South Africa
021 492 2000
cape@acdc.co.za