



Professional Ozone Produce Wash Station

PDS Ozonated Water Recirculation System



FEATURES:

- Patented Biotek Ozone EOG Generator
- Patented Biotek Ozone Dissolving Technology
- Patented Biotek Ozone Pure Water System
- Patented Biotek Ozone Off-Gas Destruct Unit
- Compact POU (Point of Use) system
- Complete compliance to the US OSHA standards

ADVANTAGES:

- NO_x-free ozone generation- only ozone and oxygen produced
- Tap water is the only required input
- Completely organic
- Powerful disinfection to eliminate pesticides, viruses, bacteria and chemicals
- Instant and continuous flow of highly dissolved and pure ozonated water
- Low voltage DC
- Intelligent Consumable Parts Indicator

POWER SUPPLY:

- Power Consumption: 800 watts
- AC Input: 200~240V, 100~120V, 50/60Hz

SAS INPUT SPECIFICATIONS:

- Input Water: municipal water
- Input Water Pressure: 21 ~ 85 psi
- Input Water Temperature: < 35°C

SAS OUTPUT SPECIFICATIONS:

- 1 gram O₃ / hr
- Flow Rate: 1800 L/ hr

RECIRCULATED SINK SPECIFICATIONS:

- Machine operating with 60 L clean water for:
 - 1 min: 0.4 ppm
 - 5 min: 1.2 ppm
 - 10 min: 1.6 ppm (Stable)

WATER PIPE DIAMETERS

- Input Tap Water: 3/8"
- Output Water: 3/8"
- Recirculated Input Water: 3/4"
- Recirculated Output Water: 1/2"

APPEARANCE:

- Stainless steel
- Net Weight 80 kg (Excluding Sink)

WARRANTY:

- Limited warranty for 1 year or up to 3,000 operation hours (Whichever comes first)

ACCESSORIES:

- Pre-filter only required for regions with low quality municipal water



Pre-Rinse Faucet and Sink



Recirculation & Turbulence



Off-Gas Vent Bar (VB-1000)

INTRODUCTION

The Professional Ozone Produce Wash Station is a complete dual-sink produce wash sink designed with USDA guidelines. It utilizes Biotek Ozone's disinfection power for cleaning and sanitizing vegetables and produce and leaves no residues.

PDS's dedicated left sink for pre-rinse prepares produce with regular water prior to disinfection by ozonated sink.

The right sink is supplied with highly concentrated and dissolved ozonated water from the Sink-Assembly-System (PDS) unit. The sink's turbulence kinetics allows even ozone exposure thus increasing efficacy of the disinfection process. In addition, water is recirculated with re-addition of dissolved ozone to lower resource consumption. With indoor safety in mind, any off-gas released will be under OSHA standards (0.1 ppm) and the vent bar unit (VB-1000) acts as a safeguard to improve air circulation and off-gas destruction.

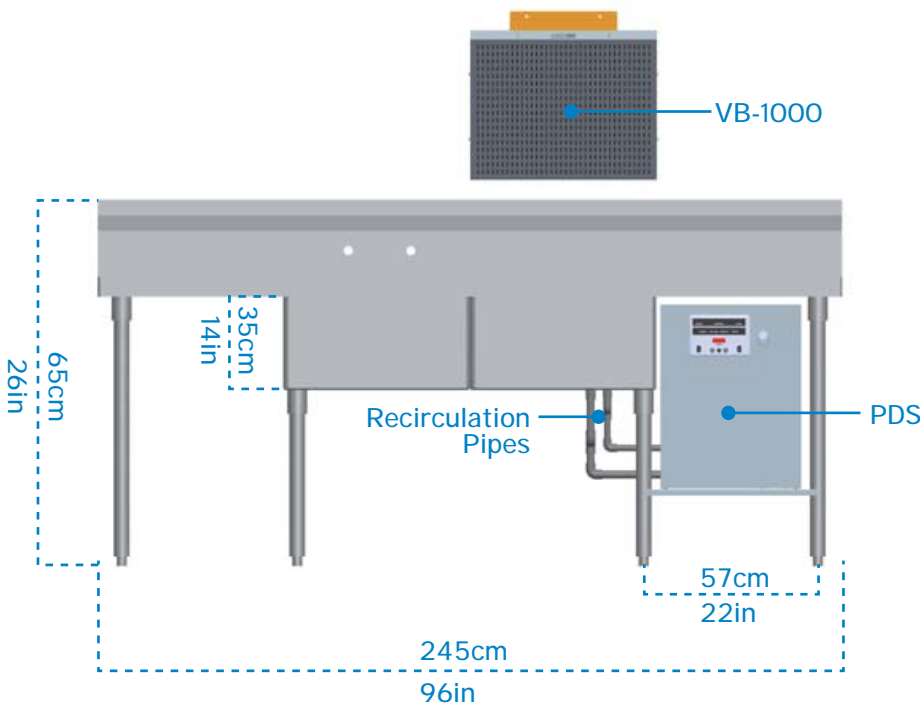
APPLICATIONS

The Ozonated Water Recirculation Sink uses highly dissolved ozone the strongest FDA approved food grade disinfectant for produce disinfection. Fresh produce is loaded in a basket is immersed in the recirculated ozonated water to eliminate 99.9% of bacteria, viruses, and chemicals such as pesticides or chlorine from ready-to-eat fruits and vegetables. Ozone disperses quickly and does not leave residues, therefore is safe for immediate consumption without extra post-rinse. In addition, dissolved ozone provides high oxygen content to boost color and crispness under neutral pH and environmentally friendly conditions.



DIMENSIONS DIAGRAM

FRONT VIEW



SIDE VIEW

