

## Applications

- \* Municipal WWTP
- \* Campgrounds and trailer parks
- \* Highway rest stops
- \* Industrial wastewater plants
- \* Parks and recreational areas
- \* Private developments
- \* Schools and institutions

## Standard Features

- \* Concrete
- \* Built-in level control weir with drain
- \* Stainless steel weatherproof modules
- \* Remote modified IP56 (NEMA 4X) enclosures includes:
  - window kits
  - displaying lamp status
  - elapsed run time.

**aquaazul**<sup>®</sup>  
*Disinfection at the speed of light!*<sup>®</sup>

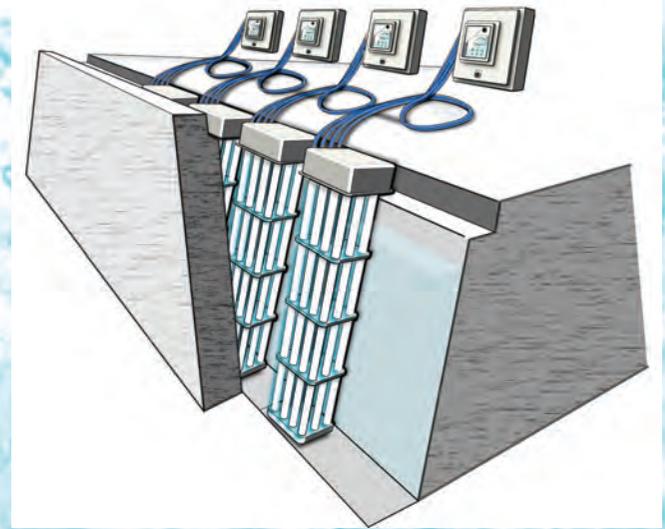
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**VM SERIES**  
**Ultraviolet Disinfection  
& Sterilization Systems**

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## Vertical Open Channel UV Systems

### Product Description

The Aqua Azul AZ Series packaged UV treatment systems disinfect wastewater flows ranging up to (5 MGD) 5 million gallons per day.

The systems come standard with electro-polished stainless steel channels with built-in level control weirs, remote modified IP56 (NEMA 4X) stainless steel/ fiberglass enclosures with widow kits, and removable waterproof modules.

### BIOASSAY

Our vertical open channel UV water treatment systems have been third party tested and evaluated by Stantec. MS2 bacteriophage was used for test organism when tested in accordance with U.S. EPA 2000 protocols. The Strain E. coli ATCC 15597 as host bacteria for the enumeration of the MS2 bacteriophage. The dose determination from the bioassay was compared to the design dose of 30 mJ/cm<sup>2</sup> to determine the full scale system compliance with the design requirements.

### Optional Features

- \*Automatic air driven cleaning system
- \*PLC Interface
- \*UV intensity monitoring system
- \*4-20 mA output or dry contact alarms
- \*HOA (hand-off-auto) switch
- \*Transitions for flanged, piped or threaded connections
- \*Cleaning racks or tanks
- \*Complete standby spare modules
- \*Redundant banks
- \*Bank-by-bank flow pacing

