



INTERNATIONAL
Water·Guard



UVM

AIRCRAFT
potable water
treatment unit

WHAT IS UV?

UVC refers to ultraviolet light with wavelengths between 200 - 280 nanometers (nm). Light in the UVC wavelength can be used for treat water and surfaces.

WHY IT WORKS

Provides treatment to water using UV light and is usually installed at the point of exit from the water tank.



The IWG-UV1 represents the latest generation of International Water-Guard's aircraft water treatment units, using proven ultraviolet and sediment filter technology with state of the art design.

Developed for higher flow capability, the unit incorporates all new electronics and full monitoring to integrate with the most advanced water system control or cabin management system.

PHYSICAL

Overall Dimensions:
High: 13.68" (347.47 mm)
Wide: 9.24" (213 mm)
Deep: 4" (102 mm)
Net Weight Dry: 9.5 lbs (4.31 kg)

ELECTRICAL

Input Voltage: 28 VDC (nominal)
Nominal Current Draw: 2.0A at 28 VDC
Electrical Interface: Two 38999 Series 2 Connections
Data Communications: RS-485 half duplex packet protocol.

ENVIRONMENTAL

Temperature Range: 5°C to +40°C (+41°F to +104°F) Operating water temperature
Storage: -40°C to +70°C (-40°F to +158°F dry)
Cooling: By natural connection

PRESSURE/FLOW

Maximum Pressure: 60 PSIG (operating pressure)
Maximum Flow Rate: 4 GPM at NSF class "A" levels
Pressure Drop: 5 PSID at 4 GPM

STATUS INDICATOR

On Board Indicator: 3 (Three) state indication
Data Communication: Operational status and control

QUALIFICATION

RTCA/DO-160G
 FAA/TCCA/EASA Airworthiness requirements

