

IWGA4

INTERNATIONAL WATER-GUARD
AIRCRAFT POTABLE WATER TREATMENT UNIT



The IWG-A4 represents a new generation of intelligent water treatment units from International Water Guard using proven ultraviolet technology.

Extremely compact to fit into tight spaces, the unit incorporates all new electronics and digital monitoring to integrate with the most advanced cabin management systems.





SPECIFICATIONS

- > 1gpm intelligent water treatment unit
- > Lightweight
- > Power efficient
- > Full operational status via RS-485
- > Easily serviced
- > Rotable lamp module
- > Extensive monitoring and control

MECHANICAL

Overall Dimensions: 11.98" high (305 mm) x 6.25" (159 mm) wide x 4" (102 mm) deep

Net Weight Dry: 6.0 lbs (2.8 Kg)

ELECTRICAL

Input Voltage: 28 VDC (nominal)

Nominal Current Draw: 0.6A at 28 VDC (WTU only)

Voltage Reversal: Tested to RTCA/DO-160E

Transient Protection: Tested to RTCA/DO-160E

Conducted EMI: Tested to RTCA/DO-160E

Electrical Interface: 7-pin connector MS38999/20FB99PN

Data Communication: RS-485 Half duplex packet protocol

ENVIRONMENTAL

Temperature Range: Operating ambient 0C to +40C (+32F to +104F)

Storage: -40C to +70C (-40F to +158F dry)

Flammability: FAA, FAR Part 25 and TCCA/EASA requirements

Vibration: Tested to RTCA/DO-160E

Shock: Tested to RTCA/DO-160E

Humidity: Tested to RTCA/DO-160E

Fluid: Tested to RTCA/DO-160E

Moisture Susceptibility: Tested to RTCA/DO-160E

Ventilation: Cooling and venting by natural convection

PRESSURE/FLOW

Maximum Pressure: 60 PSIG (operating pressure)

Maximum Flow Rate: 1 US GPM at NSF Class "A" disinfection levels

STATUS

Indicates: Two LED indicator. Red indicates service requirement

Data Communication: Full unit status available via RS-485

INTELLIGENT AUXILIARY INDICATOR PANEL

Indicator Functions: Two state LED indicator replicating unit status

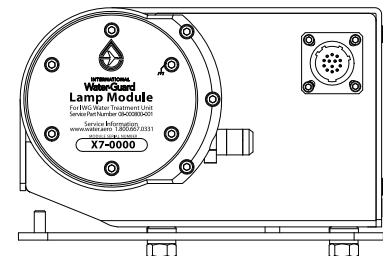
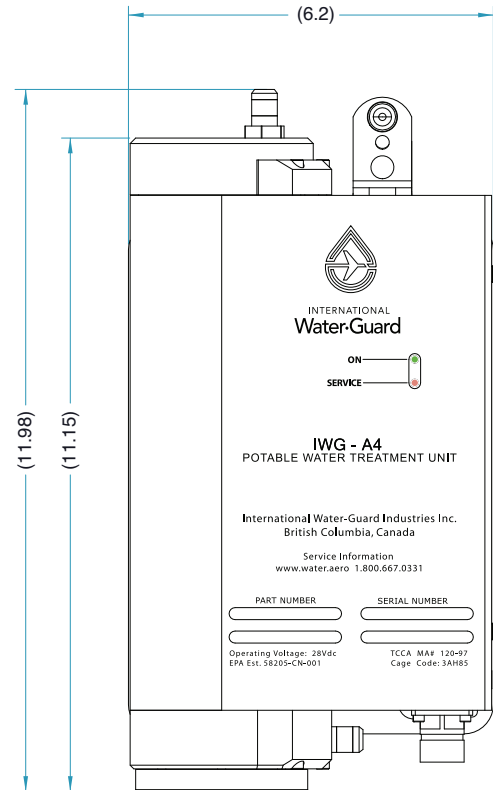
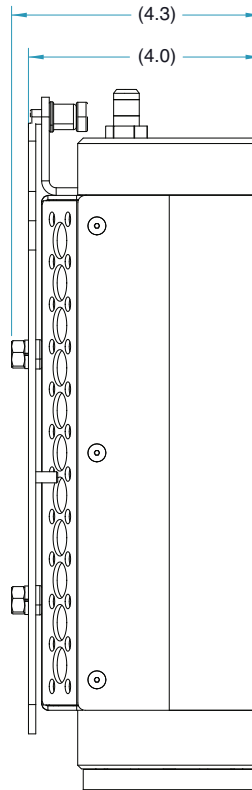
Dimensions: 3.3" (84 mm) high x 2.9" (74 mm) wide x 2.2" (56 mm) deep

Electrical: Tested to RTCA /DO-160E

Nominal Power: 100ma @ 28VDC

Electrical Interface: 6-pin connector MS38999/02RE

Data Communication: RS-485



SCALE: INCHES



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