



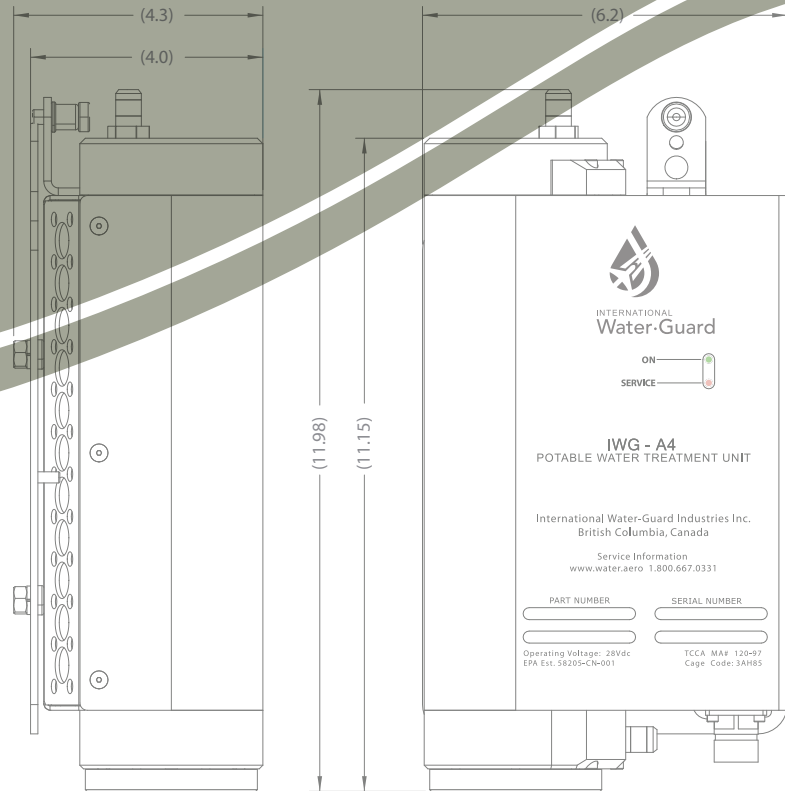
INTERNATIONAL
Water·Guard

IWG A4



IWG A4

A new generation of intelligent water treatment unit. Proven ultraviolet technology, extremely compact, all new electronics and digital monitoring to integrate with the most advanced cabin management systems.



FEATURES

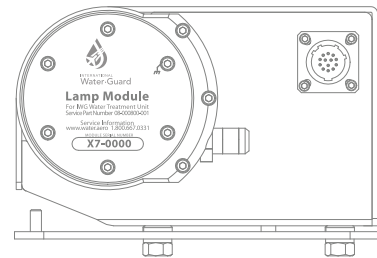
- 1gpm intelligent water treatment unit
- Lightweight
- Power efficient
- Full operational status via RS-485
- Easily serviced
- Rotable lamp module
- Extensive monitoring and control

PHYSICAL

- **Overall Dimensions:**
High: 11.98" (305 mm)
Wide: 6.25" (159 mm)
Deep: 4" (102 mm)
Net Weight (Dry): 6 lbs (2.8 kg)
- **Electrical**
Input Voltage: 28 VDC (nominal)
Nominal Current Draw:
 0.6 A 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 0 °C to +40 °C (+32 °F to +104 °F)
Storage:
 -40 °C to +70 °C (-40 °F to +158 °F 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



SCALE: INCHES

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:**
High: 3.3" (84 mm)
Wide: 2.9" (74 mm)
Deep: 2.2" (56 mm)
- **Electrical:** Tested to RTCA /DO-160E
- **Nominal Power:** 100ma @ 28VDC
- **Electrical Interface:**
 6-pin connector MS38999/02RE
- **Data Communication:** RS-485