

NPS A2

INTERNATIONAL WATER-GUARD
AIRCRAFT POTABLE WATER TREATMENT UNIT



The Classic NPS-A2 has been in service for more than 25 years, protecting passengers and crew from water-borne contaminants.

The unit's effective ultraviolet lamp technology and robust design has resulted in hundreds of installations on VIP, Corporate and Military transport aircraft.



INTERNATIONAL
Water-Guard

NPS A2

SPECIFICATIONS

- > Safely disinfects water at 1.5 US gpm with dual redundant ultraviolet lamps
- > Flush mounted remote read-out panel > Simple operation

MECHANICAL

Overall Dimensions: 15.4" (384 mm) x 11.1" (281 mm) x 4.5" (114 mm)

Net Weight Dry: 9.1 lbs (4.1 Kg)

ELECTRICAL

Input Voltage: 28VDC (nominal)

Nominal Current Draw: 1.2A (nominal). Includes remote indicator panel

Voltage Reversal: Tested to RTCA/DO-160 requirements

Transient Protection: Tested to RTCA/DO-160 requirements

Conducted EMI: 52 dB above 1mA at 150 kHz. 20 dB above 1mA at 1 MHz

Electrical Interface: 8-pin male MS 3120E16-8P

ENVIRONMENTAL

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

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

Power applied temperature of -20C to ambient

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

Vibration: Tested to RTCA/DO-160 requirements

Ventilation: Cooling and ventilation is by natural convection

PRESSURE/FLOW

Maximum Pressure: 60 PSIG

Maximum Flow Rate: 1.5 US gpm

STATUS INDICATION

- > A2 status provided via remote read-out panel
- > CH.1 - Loss of disinfection in Chamber 1
- > CH.2 - Loss of disinfection in Chamber 2

REMOTE READ-OUT PANEL SPECIFICATIONS

Dimensions: 2.75" (70 mm) L x 1.5" (38 mm) W x 4.1" (104 mm)

Electrical: Remote read-out panel is directly supported from A2 disinfection unit. Connectors: 6-pin male MS3120E10-6F

