

NPS A2

INTERNATIONAL WATER-GUARD
AIRCRAFT POTABLE WATER TREATMENT UNIT



The Classic NPS-A2 has been in service for more than 25 years providing passengers and crew with drinkable water.

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



SPECIFICATIONS

- > Safely treats 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

