

NPS A3

INTERNATIONAL WATER-GUARD
AIRCRAFT POTABLE WATER TREATMENT UNIT



In a small, light weight package, the NPS-A3 combines ultraviolet lamp technology with active carbon filtration.

NPS A3 SPECIFICATIONS

- > Removable carbon filter module > Replaceable carbon filter cartridge
- > Comprehensive self-diagnostic > Available in both 115VAC and 28VDC versions
- > Lamp replacement notification > Optional auxiliary indicator panel > Discrete status communication.

MECHANICAL

Overall Dimensions: 12.5" high (318 mm) x 9" (229 mm) wide x 4" (102 mm) deep

Net Weight Dry: 8 lbs, 3 oz. (3.71 Kg)

ELECTRICAL

Input Voltage AC: 115 VAC 400 Hz

Nominal Current AC: 0.25A (nominal) at 115VAC

Input Voltage DC: 28 VDC (nominal)

Nominal Current DC: 1.0A at 28VDC

Voltage Reversal: Tested to RTCA/DO-160D

Transient Protection: Tested to RTCA/DO-160D

Conducted EMI: Tested RTCA/DO-160D

Electrical Interface: 13-pin connector MS38999/20FB35PN (power)

13-pin connector MS38999/20FB35SN (communications)

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-160D

Shock: Tested to RTCA/DO-160D

Ventilation: Cooling and venting is by natural convection

PRESSURE/FLOW

Maximum Pressure: 60 PSIG

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

Filtration: Removable carbon filter module and replaceable carbon filter cartridge

STATUS INDICATION

- > A3 status through unit front panel and optional auxiliary indicator Panel
- > Seven indicators display unit status
- > Discrete levels of the seven indicators are available via communication connector

AUXILIARY INDICATOR PANEL (AIP) SPECIFICATIONS

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

Electrical: 5VDC powered from A3 communication connector

Electrical Interface: Connector: 13-pin connector MS38999/0FB35SN

