



INTERNATIONAL
Water-Guard

INTRODUCING IWG-UV WATER UPLOAD PROTECTION SYSTEM



**FIRST AIRLINE
DRINKING WATER
TREATMENT SYSTEM
DESIGNED FOR 737-NG
AND MAX AIRCRAFT**



IWG-UV

*Developed specially for Boeing
Model 737-NG Aircraft.
737-MAX coming soon!*

*It's new, innovative, first-of-its-kind
technology allows clean safe
drinking water to be served from
the galley spigots, replacing plastic
water bottles. Each upload of water
is disinfected as it passes through
our UV water treatment unit before
the water tank.*

*Clean, fresh drinking water from
the tap. It's not just for coffee and
tea anymore!*

BENEFITS

- Disinfects the water, the latest in UV technology provides clean safe highest level NSF 55 Class A drinking water from the spigots
- Guards the safety of coffee, tea, soups, and noodles
- Creates new galley space by eliminating the water bottles allows room for new inflight amenities and services
- Provides a weight reduction. The System weighs less than 21 pounds, much lighter than all those water bottles!
- Eco-Friendly, no more plastic water bottles in the landfill
- Eliminates the cost of purchasing and stocking unnecessary water bottles
- It's the future of cabin potable water operations, similar systems installed on B787 and A350 standard fit in production, and is the leading edge of technology
- ROI, System pays for itself in about a year
- Ensures your aircraft comply with your government's environmental regulations for potable water (you'll pass those water quality tests now!)
- Excellent insurance policy to guard the health of your guests
- Simple "hands-free" operation, no ground-crew training necessary
- IWG has a 30-year history of proven and reliable aviation products world-wide

SYSTEM COMPONENTS

UV REMOTE
CONTROLLER
IWG-URC



MOTOR
OPERATED
VALVE
IWG-MOV



INTELLIGENT
UV WATER
TREATMENT
UNIT
IWG-UV2



PROCESS

- **Flow Rate:**
Up to 4gpm (NSF 55 Class A)
- **Qualification:**
DO-160G

TO DISTRIBUTION LINES POTABLE WATER TANK

DISINFECTED WATER

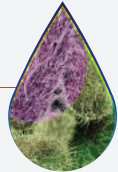


IWG-UV2

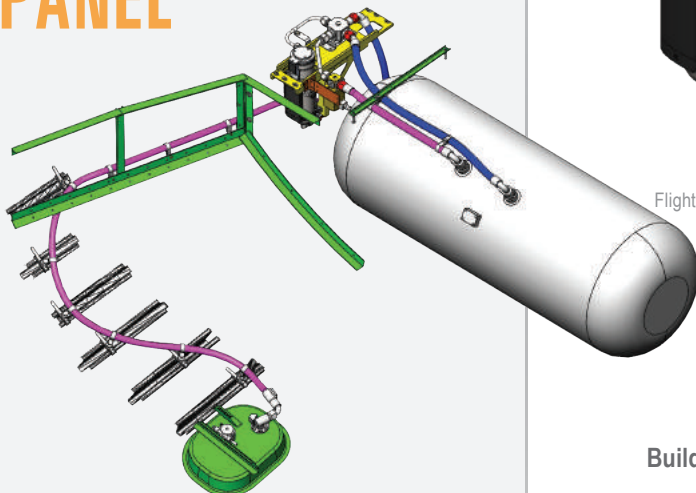
WATER FLOW



UNTREATED WATER



SERVICE PANEL



WHAT IS UV?

UVC refers to ultraviolet light with wavelengths between 200 - 280 nanometers (nm). Light in the UVC wavelength can be used for disinfecting water, sterilizing surfaces, destroying harmful micro-organisms in food products and in air.

WHY IT WORKS

Provides pathogenic disinfection of the water using UV light at the point of upload from the service water cart before it enters the aircraft potable water tank.

INTEGRATION

- Ease of Installation
- Simple Operation Fits into Existing Procedures
- 24/7/365 AOG / Spares Support World-Wide

HOW UV WORKS?

UVC radiation, in the range of 250 nm - 280 nm, renders harmful microorganisms such as bacteria and viruses ineffective, by destroying the genetic information in the DNA. The micro-organisms lose their reproductive capability and are destroyed. The germicidal nature of UV is well suited to treat parasites which are extremely resistant to chemical disinfectants, such as Cryptosporidium or Giardia.

AVAILABILITY

- Transport Canada STC Issued March 3, 2017
- FAA STC Received Sep 13, 2017
- Anac STC Received August, 2018
- Application to additional countries As required

SERVICE PANEL

