

IWU

INTEGRATED ENGINE WASH UNIT FOR WIDE & NARROW BODY AIRCRAFT

EQUIPMENT DESCRIPTION

The patented EcoPower® Integrated Wash Unit is designed for washing aircraft engines and treating the collected effluent. The IWU along with a wash manifold and collector, provides a closed-loop, environmentally friendly engine wash process.



The IWU includes a diesel generator, water tanks with heaters, high pressure water pump, water treatment system, air compressor, operator controls and hoses. The enclosure provides protection from the environment and allows easy access for operation and maintenance of the equipment. The IWU can be installed on a truck or dolly or used as a stand-alone unit.

STANDARD FEATURES

- Rugged Skid Mounted Frame
- Environmental Enclosure
- Diesel Powered Electrical Generator
- 2 X 400 Liter (105 gallon) Stainless Tanks
- 3 and 1 Phase Electric In-tank Heaters
- High Pressure/High Temperature Pump
- HMI Screen, PLC and Operator Controls
- Waste Water Suction Pump
- Waste Water Treatment Filters
- Deionization Tank with Lifting Winch
- Water Meter (Total Dissolved Solids)
- Pressure and Temperature Controllers
- Digital Water Flow Meters & Totalizer
- Air Compressor, Dryer, Filters & Hose
- Water and Air Hoses on Reels
- Grounding Strap and Reel
- Isopropyl Alcohol Mixers
- Emergency Stop and Pressure Relief
- CE/UL Certified

DIMENSIONS/WEIGHTS/SPECIFICATIONS

Length	2490 mm (8'2")
Width	1575 mm (5'2")
Height	1575 mm (5'2")
Dry weight	2100 kg (4630 lbs)
Weight with tanks full	3200 kg (7055 lbs)
Working Pressure ...	60–80 bar (870–1250 psi)
Water flow	20–68 l/min (5.3–18 gal/min)



IWU Operator Panel



IWU on Truck



IWU on Dolly



Manifold/Collector

ECOPOWER ENGINE WASHING BENEFITS:

- Extends engine component life
- Removes salts and other contaminants
- Reduces maintenance cost
- Improves engine performance
- Reduces engine temperature & saves fuel
- Reduces wash times (~30 min/engine)
- Wash at any location with Collector
- Environmentally friendly & compliant
- Eliminates detergent & chemical purchase and disposal (water only process)

For more information please contact us at 1-855-432-6769 or email us at: sales@ecopower.aero