



We proudly introduce the first complete package of Engine Compressor Washing Equipment in the world

The equipment mentioned in this document has either been patented and/or has a patent pending status

*Equipment Specs have been reviewed by Boeing and Airbus and added to their Tooling Databases*

### Capabilities

- 1- Injection of up to 60 GPM depending on operator's requirements
- 2- Utilizing Pure De-Ionized water
- 3- Heated Tanks of up to 160-degree F of water or detergent
- 4- Multiple Engine Washing Capability
- 5- Effluent Collection System
- 6- Effluent Treatment System
- 7- Being able to be towed in an open road

**ALL OF THIS FIT IN ONE UNIT**



## Delivery, Collection and Waste Water Treatment System (AJW-115)

This system consists of three tanks. One 90 Gallon tank to hold pure de-ionized water, One 90 Gallon tank to hold waste water when collected by the collection suit and one 40-Gallon tank to hold either detergent or more pure water.

The pure water/detergent tanks can electrically heat up the water/detergent content up to 160 Degrees Fahrenheit through an On- Demand water/detergent heating system.

AJW-115 (Green Jet Wash®) system has two filtration units. One which allows regular tap water to become 100% pure, mineral-free de-ionized water before entering the tanks and the other is to treat the effluent when collected by the recovery system.

The electrically driven pumps on the metal frame of the rig can deliver up to 60 GPM of adjustable pressurized fluid into the delivery hoses.

Unlike other injection systems, our system eliminates the need for carrying and servicing Nitrogen Bottles to pressurize the tanks.

The delivery hoses could be (depending on the operator's choice) connected to J shaped probes which are entered from the back of the bypass duct and then held tight against the core case in front of the 1<sup>st</sup> stage stators ahead of the 2<sup>nd</sup> stage compressors. This is to ensure 100% water/detergent injection into the engine core. This method also eliminates opening of the cowlings and Thrust Reversers and reduces the time spent for a complete engine wash.

AJW-115 has a sturdy folding tow bar and hitch which could easily be transported in and around the airport or on an open road.

The overall dimensions: 11 feet long (including the tow bar), 6 feet tall and 8 feet wide.

The control panel on the rig has illuminated gauges which allow the operator to read the fluid quantity and temperature in both tanks and turn switches to activate the pumps for water/fluid delivery.

## **On Board Equipment**

- ✓ Water/Detergent Injection delivery system
- ✓ Waste water/detergent recovery suit system
- ✓ Waste water/detergent treatment system
- ✓ De-ionizing system
- ✓ Gasoline Generator for power source
- ✓ Universal Injection Probes with different lengths extensions to be used on all types of engines. Adapters are also available.

Our collection suit is the only system in the world that collects ALL the effluent coming out of the tail pipe and engine while performing engine compressor wash. This system encapsulates the engine. There is a screened vent on top of the suit to allow excess air to escape the suit to prevent over inflation of the suit. The material this suit is made of is of a space age fabric which is extremely light and durable and has proved to be ideal for its purpose. This suit conveniently fits in a carrying bag and stored in the top compartment of Green Jet Wash mobile unit.

The material and the workmanship of this suit is rugged enough so it could be used repeatedly for years to come if handled per manufacturer's specs.

