

# Total Aircraft Wash System TAWS™

## Self Contained, High Flow, Hot Water, Aircraft Safe Pressure Washing System with Built-in Foamer and Engine Flushing

TAWS™ is simple to operate and maintain. The trailer mounted unit is completely self contained, and will operate in a broad range of environmental conditions from 34F-140F. Little operator training is needed: one button starts and stops the unit, all pumping and shut-down is automatic—low water shut down standard—can not damage pump by running dry. Ample storage in weather proof powder coated boxes (3) for tools, spares, and Turbine Flush Kit.

Safe Aircraft temperature (140 degree water) plus aircraft safe medium pressure (175 PSI) combined with high flow, (5 GPM per gun with one to two guns operating) provides unequalled washing efficiency for aircraft wash/rinse/decontamination.

Built in high flow foamer (44 GPM Foam) will cover 750 sq. feet per minute.

Dual gun for two users and 200' of total reach minimizes need to move equipment and speeds cleaning and rinsing operations. All hoses are on reels, all guns have storage brackets and toolboxes for storage. Pressure, flow, and temperature are the same with one or two guns operating. No need to change nozzles or guns.

Tow with HMMV, TUG, or other common AGE, 6" to 28" tow bar height, stout fully boxed trailer construction with 7000# axle set.

Recessed 12V/24V LED lighting and NATO standard plug makes transport simple. Kevlar® Reinforced Goodyear® tires resist tears and punctures.

- 525-gallon holding tank
- 2 each 5 GPM hot water guns with 100' of hose each on reels
- Built-in high flow foamer with 100' of hose on reel
- 10 gallon soap concentrate and 10 gallon gas pass cleaner capacity
- Built-in Turbine Engine Flush
- Full enclosure for engine and pumps with gas assist lifting rods
- Self contained and stand alone
- Custom DOT trailer
- On board storage for components, spares, support **equipment**



TAWS™ is multi-mode transportable and durable: Unrestricted highway use.

**Stout full tube frame with "stand on" fenders and 6 cross members.**

**Reliable Kubota® Diesel engine and Cat® pump with direct gear drive.**

### Turbine Engine Flush:

Includes low pressure low flow pumping system, reels, fittings for various turbine engines, air and flush hose.

### Tested and approved.

Delivers gas path cleaner (from on board tank) and rinse water to the compressor and hot section of turbine engines of rotary wing and other applicable aircraft. Flow is set at 1-2.5 GPM not to exceed 45 PSI, non adjustable. Tools are provided for common aircraft engine applications: H-47, H-58, H-60 and H-64 aircraft

Dual Independent use of each gun with no degradation in flow or performance. One gun or two the flow is 5 GPM per gun and the temperature is ambient or 140 on each gun (dual burner).

No need to mix soap with water, the TAWS system uses concentrate. Built in air compressor and turbine engine flush does the job of three machines in one.

Run dry protection on engine shuts pump down before harmful run-dry can occur.

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- Fixed angle spray nozzle for efficient cleaning, far reaching spray pattern easily washes and rinses quickly and reaches much higher than traditional nozzle designs—all at safe pressures for all aircraft.
- Operates on JP-8 or other common aircraft fuels or diesel.
- Built-in Turbine Engine Flush and rinse features with common fittings and attachments.
- Advanced AGM battery for long storage life exceptional power.
- Fully ruggedized structure with custom frame provides low center of gravity, perimeter protection bumper, and no water collection in or on frame—perimeter tube bumper ensures years of harsh use will not damage frame.
- 525-gallon tank with gives long run time when no water is nearby.
- Robust AGE parking brake keeps trailer parked at extreme angles and prevents unintentional trailer movement.
- Kubota® water cooled diesel coupled to Cat® pressure pump.
- Uses soap concentrate not pre-mix for longer run time and better soap utilization.
- All hoses on hose reels with brakes and heavy duty mounting brackets.
- Unique hinged engine cover provides 360 degree access to all service components.
- Easily drained for storage and transport with large dump valves, built in air purge with one point connection to on board air.
- Dexter® Axles with load sharing spring perches keep consistent tongue weight when empty or full.
- 1600# tongue jack with fast pin and double wheel for easy manual movement.
- Built in support for preservation kit (optional) that can be used for preservative spray for CH-47.

### **Built to Standards:**

**MIL-STD-461**

**MIL-STD-209K**

**MIL-STD-810F**

**Requirements for the Control of Electromagnetic Interference Characteristics of Subsystems and Equipment Interface Standard for Lifting and Tie down Provisions Environmental Engineering Considerations**



Part Number	AWS/TAWSP10175DT/M
Dry weight:	2450#
l/w/h:	194" x 91" x 78"

- Two hose reels for hot wash water
- One hose reel for Foam Gun
- Recessed 12/24V LED lighting is much harder to damage than surface mounted lights
- Fits inside standard ISO shipping container
- Spare tire mount is up and out of the way, makes backing trailer less hazardous and gives driver a clear indicator for the back of the trailer
- Tie downs on all sides makes securing load simple for transport
- Completely new design; trailer, pumps, burners, reels, designed from ground-up as TAWS. Tested and approved.

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