

Aircraft Deluge Wash System

Model ADWS-TT

GENERAL SPECIFICATIONS AND USE

This is a fully self-contained portable high-volume wash/rinse system, also capable of de-icing. System has a capacity of 1025 gallons of water or de-icing fluid, 30 gallons of soap, with a high-volume delivery system and an auxiliary foaming soap delivery system.

- Approved for rinsing fixed and rotary aircraft
- Safe for aircraft (rated at 175 PSI)
- Dual wands, each with a minimum of 12 GPM
- Single gun operation for de-icing at 25 GPM
- 200' reach
- Self-contained
- Built in high flow foam/soap system
- Trailer designed for flight line aerospace ground equipment towing
- Dual fuel options of JP8 or Diesel
- 1025-gallon water, or de-icing fluid tank
- 30-gallon soap or de-icing fluid tank
- Meets requirements for the control of electromagnetic interference characteristics of subsystems And equipment – equivalent to MIL-STD-461 (Electromagnetic Interference)



Meets interface standard for lifting and tie down provisions – equivalent to MIL-STD-209K (Lifting/Tie down standards)

ENGINE:

- Air cooled diesel engine, tier IV final compliant
- Diesel engine meets California emissions standards
- Low engine operating speed reduces noise and extends service life
- Isolation mounted base plate mounted on 3/16" plate steel
- 12-volt electric starting system with key switch
- Spiral cell battery
- High energy charging system capable provides power to the engine, battery and burner system

PUMP:

- 25 GPM rating.
- Dual gun operation with operator controlled hi-flow guns.
- Single gun operation with operator controlled de-ice gun.
- 4 main bearing, oil bath, hardened steel crankshaft.
- Industrial triplex ceramic plunger pump.
- Oil level eye and dipstick for maintenance
- Belt drive.
- Pressure safety relief valve

1. Specifications are effective 2024 2. Specifications are subject to change without notice



CONTROLS:

- Control panel includes; engine start/stop and hour meter
- Fully hinged lockable steel enclosure features; full access for service while providing equipment security
- Cross flow air ducting into and out of locking enclosure cools components to manufactures specifications

SAFETY:

- Fully integrated design, not a unit bolted to a utility trailer
- Electric trailer brakes standard on front and rear axle
- Manual park brake, lever controller
- Flow and/or pressure switches
- Pump high-temperature thermal relief valve
- Flow or pressure actuated unloader valve
- 2 each trigger shut-off guns with variable pressure wands
- Over pressure relief valve

INTEGRATED TRAILER:

- Control panel for ADWS-TT operation
- Constructed of 8" formed steel trailer frame, 3/16" steel plate
- Dual 5000 LB. axles for 10,000 GVW
- Extended leaf springs for soft ride
- Lunette eye hitch, with adjustable hitch heights
- Manual park brakes, lever controlled
- 1025-gallon UV protected poly water tank integrated and mounted on formed steel frame
- Drain valves on all tanks
- 30-gallon soap tanks mounted on 6" formed channel integrated into trailer
- 2 each hose reels integrated into trailer frame
- 4 corner tie downs

SPRAY SYSTEM:

- 2 each 100' 3/4" discharge hose mounted on hose reels

DIMENSIONS

- 252" long x 80" wide x 80" high (ships in sea-land container)
- Total Weight: 3440 LBS

1. Specifications are effective 2024 2. Specifications are subject to change without notice



Certified Systems Available