



Wash - Collect - Recycle

Hydro Engineering, Inc.

865 West 2600 South
Salt Lake City, Utah 84119
hydroblaster.com

Hydroblaster™ - Hydropad™ - Hydrokleen™

Model ADWS-TT

Aircraft Deluge Wash System

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 1000 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
- Self-contained
- Built in high flow foam/soap system
- Trailer designed for flight line aerospace ground equipment towing
- Run dry operation
- Dual fuel options of JP8 or Diesel
- 1000-gallon water, or de-icing fluid tank
- 35-gallon soap tank
- Meets the following:

Rated in accordance with Air Force Technical Order (AFTO) 1-1-691 & NAVAIR 01-1A-509-2; Cleaning and Corrosion Prevention and Control; Aerospace and Non-Aerospace Equipment (latest revision). 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
- Solid base plate mounted on 3/8" plate steel
- 12-volt electric starting system with key switch
- Spiral cell battery
- Diesel engine meets California emissions standards

PUMP:

- 25 GPM and 175 PSI
- Dual gun operation with operator controlled hi flow guns

1. Specifications are effective 2019. 2. Specifications are subject to change without notice



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- 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

CONTROLS:

- Complete control panel, which includes engine start/stop and foam pump control
- A fully hinged steel enclosure features; full access for service while providing a total equipment lock up
- Cross flow air ducting into and out of locking enclosure cools the components to manufactures specifications
- Operating control and instrument lighting for night operations

SAFETY:

- Fully integrated design, not a unit with a tank bolted to a trailer
- Electric trailer brakes standard on front and rear axle
- Manual park brake, lever controlled
- Flow or pressure actuated unloader valve
- 2 each trigger shut-off guns with variable spray pattern nozzles
- Over pressure relief valve
- Safety burst disk
- Fire extinguisher

INTEGRATED TRAILER:

- Constructed of 3, 4 and 6-inch formed steel channel
- DUAL 6000 LB. AXLES FOR 12,000 GVW
- Extended leaf springs for soft ride
- Adjustable height lunette eye hitch
- 1000 gallon UV protected poly water tank integrated and mounted on formed steel frame
- Dump valve and fittings, all plumbed to control panel
- 30-gallon soap tank mounted on formed steel channel integrated into trailer
- 2 each hose reels integrated into trailer

SPRAY SYSTEM:

- 2 each 200' 1" inch hoses mounted on hose reels

DIMENSIONS: 252" L X 76" W X 76" H

WEIGHT: 3,440 LBS

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