

# WSP-900

## POTABLE WATER SERVICE VEHICLE



### DESCRIPTION

The WSP-900 Aircraft Lavatory Servicing Vehicle is designed to provide potable water to commercial aircraft.

It is equipped with a hydraulic lifting platform at the front RHS and a stainless steel water tank rubber-mounted on chassis. All pumping operation controls are performed from the front lifting platform in a safe environment. The operator's cab is rubber shock-mounted for a comfortable drive and provides excellent ramp visibility.

The WSP-900 complies with common international requirements and regulations.

This equipment allows aircraft servicing up to 5m [16.4'] height with the 2.9m [114"] lift.

### STANDARD FEATURES

#### ENGINE/TRANSMISSION

4 cylinder Diesel or Gas/LPG engine with automatic transmission.

#### STEERING

Assisted hydrostatic front wheel.  
Turning radius: 7M[23FT]

#### FUEL TANK

Capacity 80 l / 21 U.S. gallon

#### HYDRAULIC TANK

Capacity 80 l / 21 U.S. gallon

#### WATER TANK SET

Tanks are stainless steel 316 with internal baffle; all inside fittings and weld joints are rounded 1" radius.

- Manual draining valve
- Level gage
- 1 man hole 500mm [17"]
- Filler neck and cap
- Capacity: 3300L [900 US Gal]

#### HYDRAULIC CIRCUIT

A gear pump provides the hydraulic fluid required for all operations: steering, lift controls and pumping.

#### PUMP GROUP

Stainless steel centrifugal self priming disinfectant pump with strainer and adjustable relief valve (3.5bar [50 PSI]). Pump driven by hydraulic motor. Controlled from lifting platform.

Flow: 80 L/min [21 US Gal].

Flow meter zero reset

Spring-loaded hose reel.

#### FRONT AXLE

Large-size, with steering cylinder. Mounted on leaf spring.

#### REAR AXLE

Drive axle mounted on leaf springs.

#### DYNAMIC BRAKES

Brake system on 4 wheels with booster.

Front wheels: Dry disks / Rear: Drums.

For maximum safety, front and rear break circuit are independent.

#### PARKING BRAKE

On rear wheels activated by cable from cabin.

#### WHEELS/TIRES

215/75 R17.5 Tubeless.



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## ELECTRIC EQUIPMENT

12VDC system. 55A generator power.  
1 master switch.  
2 headlights. Stop lights. Back-up lights. Turning indicators. 1 working light.  
Fuel gage, hour-meter, E-switch in cab.  
Safety interlocks to prevent vehicle from being driven while platform is raised. Platform movement warning buzzer.

## LIFTING PLATFORM

Stainless steel material with antiskid floor.  
820x700mm [32x27"] / 200Kg [440Lbs] capacity.  
Lift cylinders fitted with parachute check valves.  
Emergency control device to lower platform in case of failure.

## LIFT CONTROLS

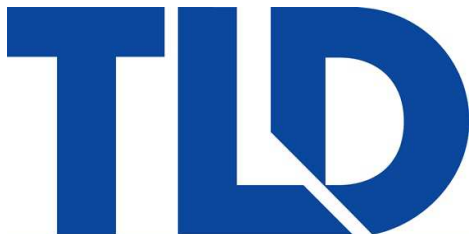
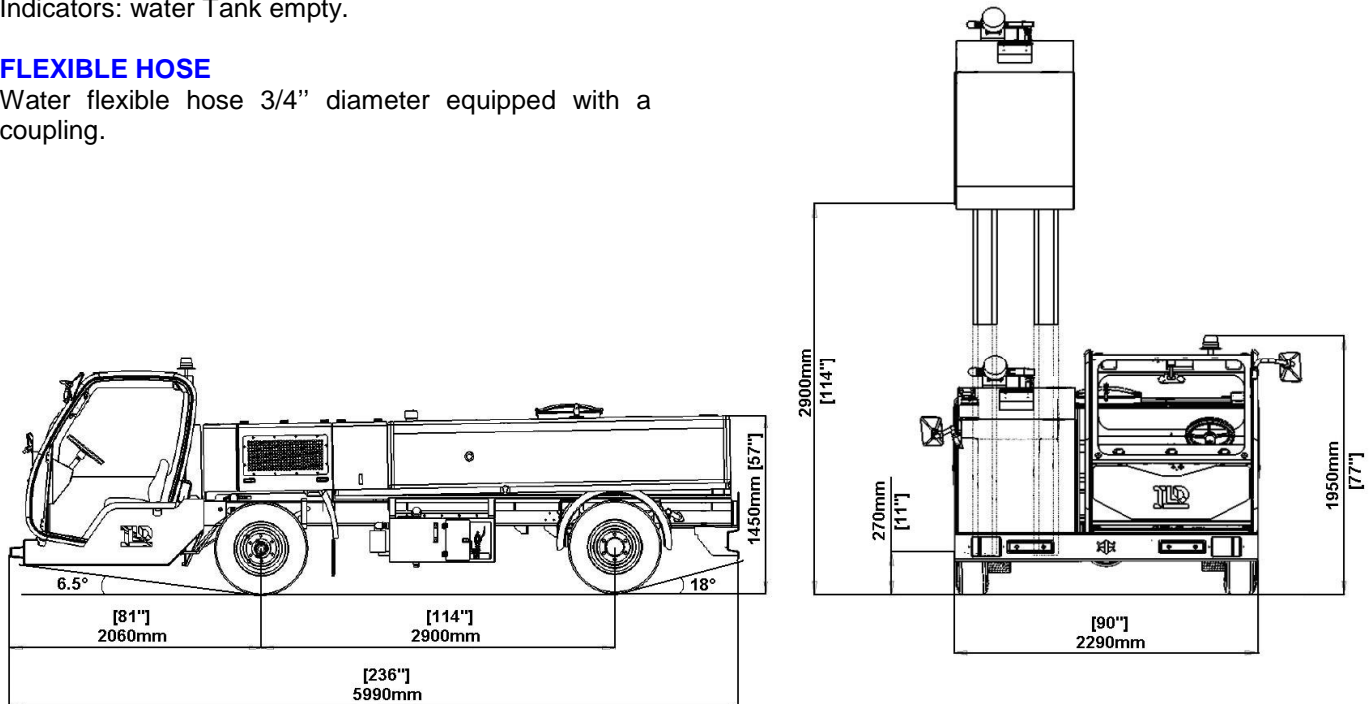
Dead-man push-buttons for lift controls.  
Controls: up/down/e-stop/pump controls.  
Indicators: water Tank empty.

## FLEXIBLE HOSE

Water flexible hose 3/4" diameter equipped with a coupling.

## OPTIONS

- Cab door (w/ defroster).
- Rotating beacon.
- Lights protection.
- Cold weather kit (down to -40°C).
- Aircraft detection limit switches.
- Break-away coupling
- Long-shank coupling
- Suspended seat
- Rear view video device.
- Fuel/hydraulic side guards.
- RHS sliding window.



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Revised on 17/06/2013 by MT

Specifications may be altered as a constant effort to improve performance.  
Tolerances of data : +/- 5 %.  
Some views may show optional equipment.