

WSU1000

Water Service Unit

Technical Specification



Note: All images in this document are included for reference purposes only.



Chassis and Technical Data

Make & Model: MAN, Iveco & others upon request

Engine: Diesel – Euro 5 or 6 depending on chassis and destination

Capacity: 1000L

Water flow: up to 90 l/min

Water pressure: 2.75 bar (40 psi)

Note: Chassis GVW is depending on extent of winterisation and selected options



Water Tank Assembly

- Stainless steel (316 grade) tank construction with baffles
- Rubber mounting points between tank and chassis to absorb impacts and vibration
- Tread plate covering top of tank
- Access ladder to tank top
- Quick access lid (500mm diameter) to allow for cleaning, disinfection & inspection
- Cam-lock water filling point coupling
- Water tank level gauge
- Calibrated water flow meter
- Stainless steel pedestal flexible impeller water pump
- 19mm flexible water delivery hose on spring rewind hose reel
- Appropriate aircraft connector on water supply hose
- Lever operated drain valve 50mm diameter

Electrics

- 12V DC relay system
- PTO hour meter
- Battery isolator
- Reverse buzzer
- Emergency stop located on dash and rear compartment
- Low water level sensor in tank
- Low water indicator light and alarm in drivers' cab
- LED work light fitted rear of driver cab and the top of the driver's cab
- LED beacon on top of driver's cab

Hydraulics

- Hydraulic pump
- Hydraulic oil tank c/w
 - - sight level gauge,
 - - shut off valve,
 - - magnetic drain plug,
 - - filtration system (return line filter & suction strainers)
- High pressure filter
- Steel reinforced hydraulic hosing

Standard Rear Configuration

- Rear compartment with roller shutter door
- Hinged side access door
- Rear bumper steps with handrail
- Digital water meter with zero reset function
- Water pressure gauge
- Water supply via manual actuated ball valve
- Hose reel located in compartment

Rear Configuration (Winterised)

- Rear compartment with hinged access doors
- Hinged side access door
- Rear bumper step
- Digital water meter with zero reset function
- Water pressure gauge
- Water supply via manual actuated ball valve
- Hose reel located in rear compartment

Safety Interlocks

- Cannot drive truck while PTO is engaged
- Cannot operate water pump when water level is low
- Cannot drive truck unless water hose is stowed (Optional)
- Cannot drive truck with mains stand-by plug connected (Optional)

Manuals, Painting and Decals

- Operation and maintenance manual in chosen language as soft copy and hard copy
- Online Spare Parts manual
- Electric, pneumatic and hydraulic schematics provided
- Label kit in chosen language
- Machine colour plain white to match chassis
- All fabricated parts are shot blasted and treated against rust with two coats each of long-life primer and topcoat PU paint



Water Tank Assembly

- Storz, Albany or Todo water filling point couplings
- Water tank overflow anti-spillage valve
- Breakaway coupling for water supply hose
- Drain tank and wash down pump to collect aircraft remaining water
- Dual water pressure system (21psi and 50psi)
- Retractable handrails around the top of the tank
- Folding ladder on tank top for higher

Options and Accessories

Chassis and General Assembly

- Reverse camera and monitor in driver cab
- Digital water fluid level indication in driver cab
- Wiper fitted to rear driver cab window
- Rubber check straps fitted to driver cab doors
- Brigade distance sensor system for front and/or rear bumper
- Wheel chocks, with or without storage holder
- Supply and fitting of customer logos



Winterisation

- Insulated water tank
- Eberspaecher day-time diesel fuel heater for hot air circulation around tank
- Night-time fuel heater for hot air circulation around tanks via mains electricity
- Residual water drain-back via wash down pump
- Manual operated knife gate water drain valve
- NATO/Anderson jump start socket and/or battery charger
- Heated element in hydraulic tank
- Heated couplings for water connector