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MAL 3600 Aluminum Septic Service Vehicle [Request a Quote!](#)

The MAL3600 aluminum service module is designed to maximize the payload capacity for tandem rear axle trucks without the need for lift or tag axles while maintaining a manageable overall length. Designed to accommodate pumping three average sized septic tanks before dumping without the maintenance or cost of additional axles. It also leaves more open frame space for storage or jettors. Pump packages from NVE, Masport, Jurop, Moro, and Wittig give you the performance you need for even the most demanding jobs. Custom tanks are also available upon request. Designed to reduce maintenance costs and improve fuel economy while maximizing payload.



Tank Design and Material

Waste Compartment: **Volume** - 3600 gallons, Shell – 1/4" ASTM 5454, Heads – 71" Diameter Barrel, two 1/4" Baffles, External Stiffing Rings, Lifting Lugs, Top and Rear 20" Stainless Steel Manways with Aluminum Tank Collars, Access Ladder with Non Slip Steps. Three 5" Sight Glasses in Rear Head,

Finish Bright Finish On Shell and Hose Tray Sides

Mounts: Tank rests on chassis frame on captive 2" x 3" plastic lumber strips. Front consists of spring loaded mounts with 5/8" Grade 8 bolts and lock nuts. Center mount H-style mounting bracket. Rear mounts consist of 3/8" and 1/4" brackets. Brackets are bolted with 5/8" diameter Grade 8 plated bolts, to frame and to tank with 5/8" bolts.

Dump Locations: **Waste** – 6" Sump Style with flange reduced to 4" lever valve with male camlock fitting and cap. **Optional** – Full 6" with 6" valve, fitting and cap

Inlets:	Rear Inlet	3" with Riser and	Stainless Deflector	Rear Head Curb Side
	Optional Front	3" No Riser	Flush w-Tank Bottom	Front Head Curb Side
	Optional Rear	3" No Riser	Or Deflector	Rear Head Drivers Side
	Waste indicator	5" sight glass	Three in Rear Head	Curbside

Standard Features: Full Length 31" Wide Aluminum Hose Trays both sides, Betts Vapor Proof LED DOT Light Package, Rear Aluminum Hose Hooks, Full Length Tank Shell Protectors above hose trays, heavy Duty Rear Bumper with Aluminum Cover. Rear Tank Rub Rails, Rear Halogen Work Lights.

Vacuum System Specifications

Standard Pump: Masport HXL400WV Water Cooled pump with pressure dump

Standard Pump Drive: PTO with torque overload protection.

Vacuum System Features:

- Vacuum & Pressure Reliefs
- Electronic fast idle system (chassis option)
- Automatic Pump oiling system
- Remote Poly Pump Oil Reservoir
- Plumbed with Hi Temp Vac Hose & Stainless Clamps
- Primary overflow valve NVE Aluminum(in-tank design)
- Secondary check valve (in-line design)
- Moisture trap
- Exhaust muffler/Oil catch
- Vacuum gauge
- Brass Lever Style Valves w-Fittings & Caps
- 30/30 Vacuum Gauge
- Right Angle Gear Box
- Woods Style Coupler
- Heavy Duty Driveline
- Full Installation and testing

The service module features a PTO driven vacuum system for pumping waste with a four way valve for pressure off loading and unplugging lines. Right angle gear box, woods style coupler and driveline keys help prevent drivetrain damage in the case of an overflow or pump failure. Preset fast idle control protects the pump from un-intentional over speeding, Vacuum and pressure reliefs are installed to prevent tank or pump damage. The automatic pump oiling system found on the standard pump needs no adjusting and the clear poly remote oil reservoir allows for easy viewing of the oil level to help prevent pump damage caused by oil starvation. All of this from a trusted name with local representation. Call your area manager or the septic truck sales manger for more details.

Performance on 3600 compartment:

1275 RPM	Rating (CFM)	Vacuum levels	
		12" HG	20" HG
HXL400WV	400	63 Seconds	106 Seconds

The above times are estimates for empty tank performance at Sea Level with the standard 4000 CFM Pump

Optional Features

- Wittig RFL 100 Air Cooled or RFL 150 Water Cooled
- Masport HXL75WV, HXL15V, HXL15WV, HXL400WV Full Line Available
- NVE 367 or NVE 506 Air or Water Cooled Full Line Available
- Jurop R260, PNR 84 etc. Full Line Available
- Blowers From Robuschi, Sutorbilt, Jurop, and Moro
- Moro M10, AC4, PM 100, Full Line Available
- Jeters. Pressure Washers and Wash Down Pumps
- Custom Tanks (requires extra lead time)
- Custom Valves
- Hotshift PTO with Remote Mounted PTO Switch
- Hydraulic Drive Systems
- DOT safety equipment package (flag and reflector, first aid kit, fire extinguisher)
- Tank Vibrators
- Hose Tray Lining (Line X Style)

Optional Features

- Hose Reels
- Toilet Services Stations (Combo Tanks)
- Multiple Compartments
- Prefilters
- Digital Level Gauges
- Aluminum or Steel Storage Boxes
- Additional Manways & Ladders
- Heated Collars
- Hoists & Full Opening Rear Doors
- Aluminum Vacuum Components
- Remote Controls
- Three compartment tanks (requires extra lead time)
- Custom Tank & Chassis Painting
- Fleet Priced Chassis from Peterbilt, GM, Ford, International, Kenworth, Isuzu, Sterling, Freightliner, Volvo, Mack and more.