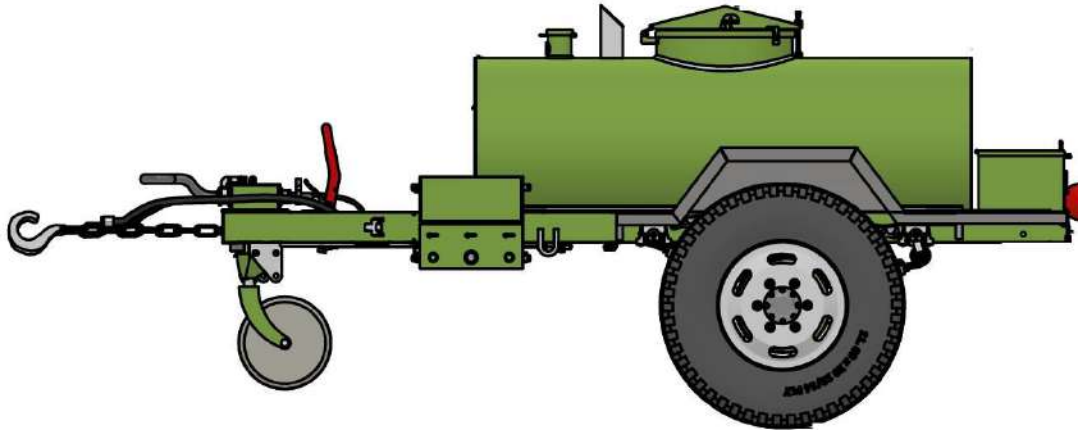


Navy-EXWC 400G Water Trailer



EXWC -400G is a 400-gallon, 2-wheeled, double-wall insulated stainless steel water trailer designed to meet U.S. Navy expeditionary and tactical water transport requirements. This trailer, also referred to as the *Upgraded Water Buffalo*, is engineered to transport **potable water only**, in compliance with NSF/ANSI 61 standards, across highway, secondary, and unimproved cross-country terrain. It is compatible with a wide range of U.S. military and commercial prime movers, including Mack Granite, MTVR, Freightliner, International, and JLTV platforms, with a NATO-standard adjustable lunette eye (24–42 inches) and integrated NATO 12-pin plus commercial 7-way electrical connectors. The trailer is certified for air transport (C-130/C-17/C-5) and features a dual-line air-over-hydraulic brake system, LED lighting with blackout capability, and a 60-month comprehensive warranty. Designed for global deployment in austere environments, it maintains operational readiness from -25°F to 130°F and is capable of fording 30 inches of water for 15 minutes.

Key features

6–28V DC Electrical System with NATO 12-pin and commercial 7-way connectors, featuring LED lighting with standard and blackout operational modes.

Dual-line air-over-hydraulic brake system with emergency breakaway and parking brake capable of securing a loaded trailer on a 30% grade.

Heavy-duty single axle with multi-leaf spring suspension, equipped with mechanical hubometer and grease zerks for extended service life.

Retractable landing gear with pivoting caster wheel and height-adjustable lunette eye (24"–42") for compatibility with multiple military and commercial tow vehicles.

NATO-standard intervehicular cable and 15,000 lb-rated safety chains with positive locking connections.

Rugged, corrosion-resistant construction with T-304L stainless steel tank, insulated double-wall design, and flat lusterless green MIL-SPEC finish.

Optional integrated lockable toolbox and onboard tool set; manual hand pump not included unless specified.

Air-transport certified for C-130, C-17, and C-5 aircraft in accordance with MIL-STD-1366E and ATTLA requirements.

Operational Components

Component	Description
Release Handle	Engages/disengages the retractable caster assembly for stowing or deploying the landing gear.
Hand Crank	Manually operates the gearbox to raise or lower the adjustable caster assembly; tethered and corrosion-resistant.
Ground Pad / Caster Wheel	3-inch x 10-inch pivoting steel caster wheel supports full payload on improved and unimproved terrain.
Handbrake Lever	Driver-side mounted parking brake lever; capable of restraining loaded trailer on 30% grade.
Manhole Cover Latch	Heavy-duty stainless-steel block twist handle with hinge stop; locks cover closed and secures at 135° open position.
Manhole Cover	20-inch minimum stainless-steel opening with gasket seal; provides access for filling, inspection, and cleaning.
Rear Outlet Valve	2-inch stainless steel butterfly discharge valve with camlock adapter and lock cap; plumbed to rear center of tank.
Side Discharge Faucets	Four (4) ¾-inch self-closing stainless-steel drum faucets (two per side) with lockable protective enclosures.
Front Outlet Manifold	2-inch stainless steel valve manifold mounted at front center; directs water to side faucets and front outlet.
Level Gauge	Visible, non-breakable dial indicator with float; mounted at front head; shows E, ¼, ½, ¾, F levels.
Tank Grab Handles	Four (4) vertical 1-foot stainless steel grab handles—two per side.
Integrated Foot Wells	Anti-slip, perforated steel safety grating with grip strut located inside each forklift pocket for secure footing during access.
Toolbox	Lockable steel storage compartment at rear center for chains, pigtails, tools, and accessories.
Forklift Pockets	Four (4) integrated 4"H x 10"W tube-style pockets for full-capacity lifting; includes anti-slip foot wells.



Key Specifications

Title	Specifications	Title	Specifications
Tank Capacity	400 gal (1,514 Liters)	Tank Sheet	Inner tank 2mm Outer tank 1mm
Tank Insulation	2" styrene + SS jacket	Payload Maximum	3,338 lb (1,514 kg)
Empty Net Weight	3,287 lb (1,492 kg)	Filled Weight	6,625 lb (3,006 kg)
Height Filled	79.2 in. (201.2 cm)	Height Empty	82 in (208.3 cm)
Length	162 in (411.5 cm)	Width	88 in (223.5 cm)
Electrical System	6–28V DC system	Electrical System type	Waterproof, modular, sealed connectors; no zip ties
Rear Light	LED Tail/Stop Lights (NATO 12-pin + commercial 7-way socket)	Brake Lights	Integrated LED Brake/Tail Lights (DOT compliant, blackout capable)
Parking Lights	LED Clearance/Marker Lights (weatherproof, DOT compliant)	Additional Lighting	Blackout Lighting System
Connectors	NATO 12-pin (24V) + Commercial 7-way (12V) dual-plug system	Wiring	Modular, grommet-protected, hard-bracket secured, corrosion-resistant
Service Brake Type	Dual-Line Air-Over-Hydraulic	Parking Brake Type	Manually Operated Parking Brake Lever
Emergency Brake	Automatic Breakaway System (per 49 CFR 393.43)	Safety Chains	15,000 lb rated, welded links, positive locking
Drawbar	Height-Adjustable Lunette Eye (24–42 in.)	Drawbar Ring	24–42 in. (61–107 cm) (NATO & commercial vehicle)
Suspension Type	Multi-leaf springs	Axle Features	Heavy-duty, grease zerks, mechanical hubometer

Title	Specifications	Title	Specifications
Wheel Rim Type	1100-20	Tire Ply Rating	16
Rim Size	7.5 x 20 in. (19 x 51 cm)	Tires Sizes	9 x 20 in. (23 x 51 cm)
Max Highway Speed	50 mph (80.5 km/h)	Max Cross-Country Speed	20 mph (32.2 km/h)
Fording Depth	30 in (76 cm) for 15 min	Operating Temp Range	-25°F to 130°F (-32°C to 54°C)
Paint System	Non-CARC, AMS-STD-595A #34094	Coating Thickness	≥8 mils DFT total
Ground Clearance	17 in (43 cm)		

