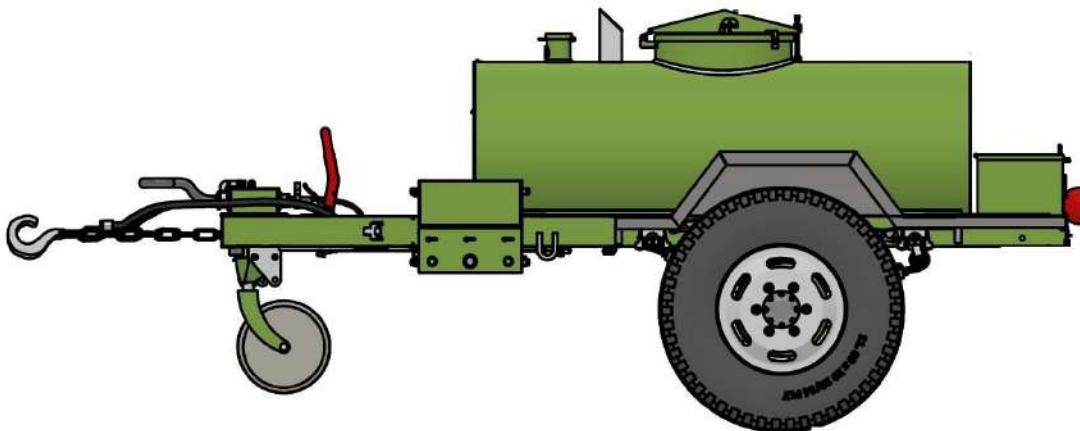




# Navy-EXWC 400G Water Trailer



**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 ATTIA requirements.

## Operational Components

Component	Description
<b>Release Handle</b>	Engages/disengages the retractable caster assembly for stowing or deploying the landing gear.
<b>Hand Crank</b>	Manually operates the gearbox to raise or lower the adjustable caster assembly; tethered and corrosion-resistant.
<b>Ground Pad / Caster Wheel</b>	3-inch x 10-inch pivoting steel caster wheel supports full payload on improved and unimproved terrain.
<b>Handbrake Lever</b>	Driver-side mounted parking brake lever; capable of restraining loaded trailer on 30% grade.
<b>Manhole Cover Latch</b>	Heavy-duty stainless-steel block twist handle with hinge stop; locks cover closed and secures at 135° open position.
<b>Manhole Cover</b>	20-inch minimum stainless-steel opening with gasket seal; provides access for filling, inspection, and cleaning.
<b>Rear Outlet Valve</b>	2-inch stainless steel butterfly discharge valve with camlock adapter and lock cap; plumbed to rear center of tank.
<b>Side Discharge Faucets</b>	Four (4) ¾-inch self-closing stainless-steel drum faucets (two per side) with lockable protective enclosures.
<b>Front Outlet Manifold</b>	2-inch stainless steel valve manifold mounted at front center; directs water to side faucets and front outlet.
<b>Level Gauge</b>	Visible, non-breakable dial indicator with float; mounted at front head; shows E, ¼, ½, ¾, F levels.
<b>Tank Grab Handles</b>	Four (4) vertical 1-foot stainless steel grab handles—two per side.
<b>Integrated Foot Wells</b>	Anti-slip, perforated steel safety grating with grip strut located inside each forklift pocket for secure footing during access.
<b>Toolbox</b>	Lockable steel storage compartment at rear center for chains, pigtailed, tools, and accessories.
<b>Forklift Pockets</b>	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
<b>Tank Capacity</b>	400 gal (1,514 Liters)	<b>Tank Sheet</b>	Inner tank 2mm Outer tank 1mm
<b>Tank Insulation</b>	2" styrene + SS jacket	<b>Payload Maximum</b>	3,338 lb (1,514 kg)
<b>Empty Net Weight</b>	3,287 lb (1,492 kg)	<b>Filled Weight</b>	6,625 lb (3,006 kg)
<b>Height Filled</b>	79.2 in. (201.2 cm)	<b>Height Empty</b>	82 in (208.3 cm)
<b>Length</b>	162 in (411.5 cm)	<b>Width</b>	88 in (223.5 cm)
<b>Electrical System</b>	6–28V DC system	<b>Electrical System type</b>	Waterproof, modular, sealed connectors; no zip ties
<b>Rear Light</b>	LED Tail/Stop Lights (NATO 12-pin + commercial 7-way socket)	<b>Brake Lights</b>	Integrated LED Brake/Tail Lights (DOT compliant, blackout capable)
<b>Parking Lights</b>	LED Clearance/Marker Lights (weatherproof, DOT compliant)	<b>Additional Lighting</b>	Blackout Lighting System
<b>Connectors</b>	NATO 12-pin (24V) + Commercial 7-way (12V) dual-plug system	<b>Wiring</b>	Modular, grommet-protected, hard-bracket secured, corrosion-resistant
<b>Service Brake Type</b>	Dual-Line Air-Over-Hydraulic	<b>Parking Brake Type</b>	Manually Operated Parking Brake Lever
<b>Emergency Brake</b>	Automatic Breakaway System (per 49 CFR 393.43)	<b>Safety Chains</b>	15,000 lb rated, welded links, positive locking
<b>Drawbar</b>	Height-Adjustable Lunette Eye (24–42 in.)	<b>Drawbar Ring</b>	24–42 in. (61–107 cm) (NATO & commercial vehicle)
<b>Suspension Type</b>	Multi-leaf springs	<b>Axle Features</b>	Heavy-duty, grease zerks, mechanical hubometer

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

