



4000-, 4500-, and 5000-Gallon Water Truck

Water trucks represent the workhorses for the rental and construction industries. PCI Manufacturing Solutions understands that not every tank is used for the same purpose. Designed with your specific needs in mind, PCI's standard water truck offers 4000-, 4500- and 5000-gal sizes, air controls, and multiple customization options.

PCI Manufacturing Solutions' high-quality Carboline Phenoline 310 interior liner and exclusive two-step exterior paint process ensure the extended life of your water truck bodies. Standard quote includes complete system installation on customer-supplied, PTO-ready and tank-ready truck.

Standard Tank Specifications

- ✓ All tank seams and heads welded inside and out
- ✓ 24" square-top, reinforced manway/drop fill with anti-siphon loading pipe
- ✓ Rear observation ladder
- ✓ Rear push block with storage area and two flexible steps
- ✓ Fenders with hose brackets and hose tie-downs
- ✓ ¾" front and rear sight-tube provisions only
- ✓ Rear tank hose reel mounting provisions
- ✓ Each tank is hydrostatic tested prior to coating and paint

Tank Materials

- ✓ 3/16" A36 steel plate
- ✓ 3/16", A36, stamped tank heads
- ✓ Two baffles: each 3/16" A36 steel plate containing a 22" crawl space with an integrated access step in each baffle
- ✓ 8" tall, ¼" A36 sub-frame with end closures

Tank Mounting

- ✓ Mounts: Spring body mounts, 3 per side, welded to the tank sub-frame and bolted to the truck frame
- ✓ Top-mounted lifting eyes
- ✓ Rubber, frame-mounting cushions

Plumbing

- ✓ Includes furnishing and installing air-shift PTO with 5 air-controlled valves
- ✓ 4" x 3" max. 750-GPM centrifugal water pump (at 2500 rpm) with Victaulic® flex fittings
- ✓ All plumbing constructed from A500 Schedule 40 pipe with pipe threaded connections
- ✓ 5 air-operated, normally open 3" inline valves
- ✓ 1½" hose outlet and ¾" spigot at passenger side manifold
- ✓ Four slotted and threaded spray caps
- ✓ One drivers' side, adjustable spray head
- ✓ Hard line piping for both front and rear spray feeds with flex hose in high-stress areas
- ✓ Provisions for 1.5" feed to optional rear hose reel
- ✓ Drain plugs at low points

Console Control

- ✓ Floor-mounted tower console with 6 air switches to control 5 air valves and air-shift PTO
- ✓ All valve controls labeled on console

Safety

- ✓ Back-up alarm system
- ✓ Reflective tape per DOT regulations
- ✓ Grip tape on rear push block
- ✓ Warning/indicator decals
- ✓ Mud flaps
- ✓ Provision front tank-mounted safety beacon light
- ✓ DOT-approved lighting with custom fit, plug-and-go wiring harness





Coating/Paint

- ✓ Carboline Phenoline 310 interior liner, minimum 6-mil dry film thickness
- ✓ Exterior primer, minimum 6-mil dry film thickness
- ✓ High-solids, high-gloss exterior paint, 6-mil dry film thickness, customer choice, standard colors

Warranties

- ✓ Tanks: 2 years against leaks and breakage under normal working conditions
- ✓ Plumbing: 1 year
- ✓ New pumps and pump control linkage covered by their respective warranties

Other

- ✓ All applicable operational/warranty and parts books furnished by PCI
- ✓ 4000-gallon tank truck wheel base (WB) and cab-to-trunnion (CT) requirements: WB 208-214", CT 125-135"
- ✓ 4500-gallon tank truck wheel base (WB) and cab-to-trunnion (CT) requirements: WB 228-234", CT 145-155"
- ✓ 5000-gallon tank truck wheel base (WB) and cab-to-trunnion (CT) requirements: WB 254-285", CT 165-175"

Options

PCI Manufacturing Solutions offers the options listed below, allowing customers to create a custom tank, built to satisfy their specific needs.

Spray Head Options (in lieu of slotted, threaded spray caps)

- Fixed, aluminum, splash head attachment
- Adjustable, aluminum, splash head attachment
- Street flusher nozzle attachment

Fire Hose Options

- Manual rewind fire hose reel, rear push-block-mounted, with 50' of 1.5" hose and adjustable spray nozzle
- Spring rewind fire hose reel, tank-mounted, with 50' of 1.5" hose and adjustable spray nozzle

Self-Loading Option

- Draft kit, including primer pump and associated plumbing
- Suction hose kit, including 10' of 3" PVC suction hose and foot valve

Gravity Discharge Option

- 8" air-operated with fan head
- 8" air-operated butterfly valve with 8'6" wide splash bar

Quick Dump Option

- Fixed, rear-mounted 10" quick dump
- 180°, swivel rear-mounted 10" quick dump

Remote-Operated Water Cannon

- Joystick, cab-controlled 2" inlet

Miscellaneous

- Front and rear sight tubes
- Overfill relief tube
- Front tank-mounted safety beacon light
- Pintle hitch kit with push block
- Pintle hitch kit without push block

PCI Installation

- Remove existing box van or 5th wheel
- Shortening customer truck wheel base
- Lengthening customer truck wheel base
- Custom paint scheme
- Body work and painting of customer truck

PCI Complete Tank/Truck Package

- Complete water truck package, with water tank kit and truck supplied by PCI

