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FAQ

Wheel Well & Undermount Water Tanks

Is the tank BPA free and safe to drink water out of?

The tanks are made with linear low-density polyethylene. They are BPA free and CSA approved (Canadian Standards Association). Make sure you rinse the tank before first use, as there may be plastic bits and debris left in the tank from the manufacturing process.

What size fittings do I need?

The ports on your tank are four different sizes: ½", ¾", 1 ¼", and 1 ½". The larger 1 ¼" and 1 ½" ports are "membrane ports" which require drill-out for use. The membrane eliminates the need to plug the ports if you don't use them. All ports are NPT female threaded.

Plastic bulkhead fittings on a tank are only meant to be hand tightened with an additional ¼ (quarter) turn. Excessive tightening of fittings can cause your tank to leak. If you do notice that a fitting is leaking, you should disassemble the fitting and make sure there are no foreign materials between the gasket surfaces which is causing the fitting not to have a proper seal.

What are each of the ports used for? Do I need a vent?

You will use one of the upper ½" ports on the end of the tank for a vent - the 15G Promaster Undermount Water Tank requires 3x vents, one for each hump. A vent is necessary, because as the tank is filled or emptied of its liquid, an equal proportion of air must be displaced simultaneously. Polyethylene tanks must be vented. Discharge of a tank without a vent would create a vacuum and pressure to occur; these tanks are not designed for a vacuum or pressure.

Use one of the upper 1 ¼" ports for your fill port. The 1 ½" port on the top of the tank is designed for a KUS S5U Water Level Sender (optional). Your bottom ports will be used for your a) outlet to water pump, and b) drain to ground.

If you purchased our fittings kit along with your tank, please refer to the detailed diagram showing how to install each fitting into your tank.



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One side of my tank has a bulge. Why?

This is a natural process in the fabrication of polyethylene tanks. When the tank releases from the mould and begins to cool down, it will shrink in areas that are difficult to predict. This may cause a bulge in the side of your tank.

Fortunately, this will not impact the strength and performance of the tank. Polyethylene and plastic tanks naturally expand and contract - this will affect volume. Tanks will expand and contract more or less depending on the volume of the tank, the tank's wall thickness, and what specific gravity the contents being stored possess.

Internal temperature and external ambient temperatures also affect expansion and contraction of polyethylene tanks.

Rotationally moulded tanks inherit surface characteristics from the tank mould. It is normal for bumps and dents to occur. These surface characteristics have no effect on the structural integrity of the tank.

How do I clean my tank?

You can use bleach or vinegar to clean your freshwater tank (or a freshwater tank cleaning solution, which can be purchased at Canadian Tire or similar outdoors stores).

It's best to clean your tank at the start of each camping season (once a year).

Step 1: Drain tank completely

Step 2: Mix 2.5 oz bleach or vinegar with 1 gallon water (hot is even better)

Step 3: Pour bleach/vinegar solution into tank

Step 4: Fill tank with more potable water, until its full

Step 5: Let sit for 12 hours

Step 6: Drain tank completely, refill with fresh water and drain completely again (you may need to repeat this rinse step a couple of times)