

Stock Tank Pool Build Guide

Your complete checklist for a crystal-clear, dip-ready backyard oasis.

Get ready to build your own perfect backyard retreat! This step-by-step guide ensures your setup stays stable and your water remains pristine all summer.

● Key Setup Details

1–3 ppm

Chlorine level using a floating dispenser

Low & High

Intake low, jet high for circulation

Cut to Fit

Solar cover trimmed to exact circle

Tamped Pad

Tamped paver-base pad for 6,000-pound weight

Pipe Foam

Pipe-foam rim cushion secured with silicone

Avoid Sharp Chemical Spikes

Granules dissolve too quickly in a small 8-foot, 700-gallon volume and can irritate skin. Always rely on a floating dispenser filled with tablets instead.



● Base-Pad Steps

- 1 Remove Soft Topsoil** Dig down to remove soft topsoil so your heavy setup will not settle unevenly.
- 2 Add Crushed Gravel** Compact a 2-inch base drainage layer of crushed gravel with a heavy hand tamper.
- 3 Spread Leveling Sand** Apply a 1-inch layer of leveling sand for smooth surface adjustment.
- 4 Place Rigid Foam** Lay rigid foam board for bottom insulation and protection against punctures and rust.

● **Filter-Pump Hookup Parts List**

- ☐ 2 ¾-inch bi-metal hole saw
- ☐ Standard threaded pool pump connectors
- ☐ Through-wall fittings for intake and jet
- ☐ Thick rubber gaskets for inside and outside
- ☐ Marine-grade sealant for threads
- ☐ Waterproof silicone adhesive for foam rim
- ☐ Plumbing insulation designed for exterior weather

● **First-Fill Steps**

- 1 Seal Wall Connections** Apply a continuous ring of marine-grade sealant around threads before tightening the plastic nut completely.
- 2 Attach Rim Cushion** Press slit foam firmly over the lip, secure with zip ties, and cure for 24 hours.
- 3 Trim Solar Cover** Lay the rectangular bubble barrier flat over the filled pool and use heavy-duty scissors.
- 4 Trap Daytime Heat** Leave the custom-fit cover on overnight to keep your morning dip surprisingly comfortable.

● **Weekly Chlorine & pH Log**

Find your row: **Your water test results**

Your water test results	Your pick	Why
Testing twice a week	Takes barely thirty seconds	Prevents stubborn algae blooms
pH is 7.2 to 7.6	Maintain current routine	Ideal balanced water chemistry
pH climbs too high	Add dry acid dose	Brings level back down
Surface debris collects	Skim the pool daily	Keeps water crystal clear

● **Site & Measurement Checks**

- ☐ Assess the grade with a 4-foot carpenter's level on a 2x4.
- ☐ Clear all sharp rocks before laying metal to prevent rust.
- ☐ Measure the entire tank circumference to purchase enough foam.
- ☐ Check the floating dispenser regularly for partially dissolved tablets.

● **Pool Maintenance Notes**

Enjoy your crystal clear backyard oasis all summer long!