Stock Tank Pool Parts & Build

Your step-by-step guide to assembling a budget-friendly backyard oasis.

Shop for the exact plumbing fittings, pump, and tank size you need with this handy list. Then follow our proven sequence to build your custom pool.



Key Sizes and Ratings

8 feet
Diameter for galvanized feed-store tank

~700 gallons
Water volume for this tank size

1,000 gal/hr
Minimum filter pump flow rating

2.75 inches
Hole saw diameter for bulkhead fittings

~100 feet
Black irrigation tubing for sun heater

2 inches
Compacted stone-dust depth inside paver border

Cure Before You Fill

Coat threaded plastic plumbing fittings, hand-tighten the locking nuts, and let the assembly cure completely for 24 hours before adding any water to prevent leaks.

Stock Tank Build Sequence

1. **Prep the Level Pad** Dig sod to bare dirt, frame a paver border, and pack the crushed angular foundation securely.
2. **Position the Tank** Slide the metal structure onto the foundation, rotating the factory drain plug away from seating areas.
3. **Drill and Seal Connections** Cut through-wall circles with a bi-metal saw, install threaded filter hookups, and seal tightly.
4. **Rig the Solar Heater** Coil flat poly hose in full sun and splice ends into the return line using PVC tees.
5. **Fill and Prime System** Run a garden hose above the top fitting, then open the pump air release valve until water spurts.

Site and Transport Checks

- ○ Measure yard gates to ensure the large circle fits through.
- ○ Verify your flatbed trailer width is a minimum of 96 inches.
- ○ Inspect the rolled rim for dents and interior galvanized seams for scratches.
- ○ Locate a covered GFCI outdoor outlet within 15 feet for power.

Stock Tank Pool Parts List

- ☐ Galvanized metal stock tank and 4 heavy-duty ratchets
- ☐ Pavers and angular stone dust for the level pad
- ☐ Bi-metal hole saw and cordless drill
- ☐ Bulkhead connectors and basic PVC tee fittings
- ☐ Filter pump and 1-inch chlorine tablets with floating dispenser
- ☐ Black poly tubing for the passive sun heater
- ☐ Standard blue bubble solar cover to cut to fit
- ☐ Fine-mesh hand skimmer and shallow plastic foot bath bin

Choose Your Filtration Setup

Find your row: **Your maintenance preference**

Your maintenance preference	Your pick	Why
Weekly quick rinsing	Standard paper cartridge pump	Uses inexpensive Type A or C filters
Monthly low maintenance	Compact pool sand filter	Requires 25 pounds of pool sand

My Pool Setup Notes

Enjoy your refreshing backyard retreat all summer long!