



KEY INSTALLATION FACTS READ THESE DETAILS BEFORE INSTALLATION!

1. Absolutely **NO WATER REQUIRED** for backfill. The tank is specifically designed to be backfilled **WITHOUT WATER**. The use of water prior to backfilling is not necessary and may cause installation problems. A nominal amount of water (6-8") may be used to ballast tank during backfilling.
2. The tank **MUST BE BEDDED IN SCREENED MATERIAL** (sand, pea gravel, stone dust, or other flowable fines). Native material is acceptable if it exhibits the same characteristics as select fill.
3. It is imperative that the **TANK HAUNCH BE SUPPORTED WITH FILL**. This is the area of the tank under the mold part-line along the sidewalls curving down to the belly of the tank.
4. The **TANK BELLY MUST BE SUPPORTED WITH FILL**. Due to the unique process, our tanks have a slight concave shape to the belly. Make sure that tank feet seated in the backfill and that the tank belly is well supported.
5. Our tanks achieve full structural integrity once installed properly. **SIDEWALL COMPRESSION THROUGH COMPACTED BACKFILL** is the key to this integrity. Use backhoe to compact sidewall backfill if possible.
6. **CORRUGATIONS MUST BE PACKED SOLIDLY** with backfill to achieve this. Compact backfill in 6" lifts as you backfill excavation.
7. Backfill tank to top of roof all the way around, then **BACKFILL BETWEEN RISERS FIRST**, then around the endwalls of tank. This technique will prevent backfill from pushing risers "in" or toward one another.
8. In areas of high groundwater, the tank **MUST BE FILLED** immediately following backfill.
9. Tanks are not designed or rated for vehicular traffic. Avoid operation of vehicles heavier than 2500 pounds. Maximum burial depth is 36" below grade.
10. Drill the "A" dimples for **ALL STATES AND PROVINCES (CANADA) EXCEPT FLORIDA, ILLINOIS, ARIZONA AND NEBRASKA**. The dimples are pre-offset at the factory. Drill the "B" dimples for Illinois, Arizona and Nebraska. All Florida destined tanks are pre-drilled.
11. For burial depths of 36" – 48", please follow the above steps but use select material for backfill to at least the top of the tank. Native material may be used for the cover providing it is absolutely free of clay and is a material that drains well. If surface water or saturated soils are a concern, install gravel or other well-draining material in lieu of any native material except for a minimum amount of top soil necessary to establish ground cover.
12. For burial depths great than 48" (no greater than 72"), follow all of the above steps. In addition, a Schedule 40 PVC pipe support must be added between the roof and the floor just inside the edge of each manway in the mid-body of the tank. From the outside of the tank you can easily observe the pipe mounting tenons that are molded into the top of the first "trough" or inward corrugation past the manway. Each pipe should be field measured and cut due to nominal differences in the internal dimension of the tank.
13. Guidance for Installation of Pumps and Appurtenances:
Pumps shall be supported on a stable 16" x 16" base positioned on the bottom of the tank. A 3-inch thick pre-cast concrete block is an acceptable pump support. The support base shall be placed below an access opening. The support base shall be level bearing on the ribs on the bottom of the tank. Installation of products including the electrical conduit and wiring, pumps, water level control/alarm equipment, piping, valves, siphon equipment, etc. shall be in accordance with the product manufacturer's instructions and installed in accordance with applicable state and local codes, rules and regulations. Appurtenances shall be installed to facilitate maintenance and repair access via the tank access openings.