



# NORWESCO BELOW GROUND TANKS

## Conversion Option & Information

### CISTERNS TO SEPTIC TANKS (600/1200/1400/1700):

A. You may purchase our septic adapters in either the Schedule 40 weight (63152) or SDR 35 weight (63151). A 5-1/2" hole must be drilled with a bi-metal style hole saw for each adapter. The hole must be drilled at the small cone shaped marks that are molded into the ends of the inlet and outlet. The 3/8" location pin on the flange of the adapter must be cut off and filed flush with the flange. The gasket of the adapter goes on the inside of the tank and can be tightened with a large adjustable type pliers or pipe wrench.

B. Drill a 5" hole in the ends of the tank at the cone shaped inlet/outlet location marks and install a 4" gasket, (you may use our gasket kit, part number 61765). Other gaskets are available on the market as an option; hole sizes may vary.

It is your responsibility to contact the local code official and install the plumbing tee lengths and weights per the requirements.

### BRUISER TANKS TO CISTERNS:

Potable water can be stored in a bruiser style tank. You can either glue PVC pipe/fittings into the inlet and outlet or plug them with a PVC cap and install your own fittings. Septic adapters cannot be removed; there will be no way to seal the tank. Tees may be cut off if you choose to do so. Norwesco does not offer a gasket for plumbing water into or out of the tank other than a 4" gasket kit, part number 61765. Bulkhead fittings may also be used.

### USE OF A PUMP CHAMBER AS A SEPTIC TANK:

Using a pump chamber as a septic tank is not a legal application in any State. If you want to plumb the tank, you may use the 61765 gasket kit for the inlet and outlet or a 63151 or 63152 septic adapter for each the inlet and outlet end. Norwesco has no recommendations for tee lengths. You would follow the same procedure as converting a cistern to a septic tank on the inlet and outlet end (see page above).

### PLUMBING CISTERNS (325/550-Gallon Spherical Tanks):

Up to a 1-1/2" bulkhead fitting may be installed anywhere on the tank. Keep the spacing at 12 inches on center or greater for multiple fittings. At the inlet and outlet area, septic adapters for 4" PVC pipe, gasketed connections for up to 4" ABS or PVC pipe or up to a 3" bulkhead fitting may be installed. On the bottom of the tank, where the pump base is located, you may install up to a 2" fitting if it is centered on the base.

### PLUMBING CISTERNS (600/1200/1400/1700 Gallon Ribbed Tanks)

Up to a 1-1/4" bulkhead fitting may be installed on the outside of any rib. Keep the spacing at 12 inches on center or greater for multiple fittings. At the inlet and outlet area, septic adapters for 4" PVC pipe, gasketed connections for up to 4" ABS or PVC pipe or up to a 3" bulkhead fitting may be installed.

### GENERAL NOTES

- Yellow and black septic tanks, with the exception of the 300 and 500 gallon spherical tanks, cannot be left empty. They should be refilled immediately when pumped for normal maintenance.
- Blue BRUISER tanks and white cistern tanks should remain at least one fourth full at all times.
- Spherical 300 and 500-gallon pump tanks may be left empty.
- It is highly recommended when installing Schedule 40 weight pipe into a gasketed connection, that the ends of the pipe be chamfered and a pipe lubricant be used. This will greatly reduce the force needed to insert the pipe through the gasket in the tank wall.

Tank Type	Color	Size (Gallons)	Septic Tank	Approved Used Potable Water	Holding Tank	Pump Chamber
Std Weight Septic Tank	Yellow	500 -1500	X			
Bruiser Weight Septic/Cistern	Blue	1000/1250/1500	X	X	X	X
Cistern	Natural	600/1200/1400/1700		X	X	X
Cistern (Spheres)	Natural	325/550			X	X
Spherical Pump Tanks	Black	300/500			X	x