



Indoor tank installation

There are dozens of ways to install indoor tanks available to fit the needs of different types of building structures however the common ones consist of either 275 tanks. These are rather thin, oval shaped tanks that provide safe and economical indoor storage. Double-walled tanks are also available and provide the added security of a double-wall containment system. Most towns allow for tandem installations doubling capacity to 550 gallons.

Above Ground Outdoor Tanks

THE INSTALLATION OF HEATING OIL TANKS OUTDOORS, OR IN UNCONDITIONED SPACES IS NOT RECOMMENDED. THIS INFORMATION IS PROVIDED IF A HOMEOWNER DOES NOT HAVE CONDITIONED SPACE AVAILABLE TO INSTALL AN OIL TANK.

Heating fuel begins to cloud (the fuel becomes opaque from the formation of small wax crystals) at about 20° above zero. In addition, high viscosity fuel caused by cold temperature has an adverse affect on burner performance causing the burner to run inefficiently and unreliably. We recommend piping with large diameter steel insulated fuel line (as opposed to small OD copper tubing), the use of a large capacity oil filter, and the installation of a fuel de-aeration device such as a Tiger Loop®. Outdoor tanks should also be enclosed and insulated whenever possible. Bottom feed valves is not recommended on outdoor oil tanks, or tanks in unconditioned spaces. Additionally, Benvenuti Oil also adds a fuel additive to any fuel delivered to an unconditioned space. This fuel additive aids in cold weather performance by keeping wax crystals from blocking the systems fuel filter. To run reliably in cold weather, all or several of the above mentioned modifications may need to be implemented.

VENT ALARM INFORMATION:

Every above ground oil tank should be equipped with a vent alarm system. This is a simple device installed inside your oil tank where air is vented. The vent alarm emits an audible whistle while the tank is being filled. When the oil level reaches (and covers) the bottom of the vent alarm, it stops whistling, there by alerting the delivery man that the tank is full, and to shut down.

Why do vent alarms malfunction?

On occasion, vent alarms may become obstructed with debris or bacteria. When this happens, the oil delivery driver will not be able to safely fill your oil tank. When this happens, we will notify you immediately so the vent alarm can be repaired. Vent alarms can often be cleaned, but on occasion need to be replaced. Insects that build nests in vent pipes cause debris to fall into the vent alarm, however a more common failure is caused by bacterial build-up in the vent alarm. If an oil tank is old (20 + years) it may contain significant amounts of bacterial sediment. In this case, a new tank system may be recommended.

Tank Removal

To address the needs of homeowners requiring tank installation, replacement and soil testing, Benvenuti Oil provides comprehensive service and installation of all types of residential and commercial storage systems. In addition, we provide comprehensive removal, disposal and soil testing.

The steps for tank removal are the following:

- Site assessment and proposal. A Field Representative will visit your home, assess work required to excavate and remove the tank and prepare a no-cost proposal outlining the steps and costs of such a procedure.
- Prior to excavation, the site will be inspected for any potential underground obstruction such as underground electrical service, septic service, telephone lines, etc.
- Contents of the tank will be removed and any sludge will be properly disposed of.
- A back hoe will excavate the area over the tank and remove the tank from the ground.
- Oil lines will be sealed and capped.
- Soil samples from the site will be extracted and tested.
- Any site inspections needed at this time will be made and any approvals required for this process will be expedited.
- Old tank will be removed, cleaned and cut into small pieces for proper disposal.
- The tank site will be back-filled with clean gravel and top soil will be graded, raked and seeded.

Abandonment

In circumstances where the tank is completely inaccessible from the surface, foam filling may be an option. Although this is a more costly option it provides an opportunity to fill the tank without completely excavating the top of the tank itself.

Underground Tanks

Contrary to popular belief, underground tanks can be installed provided certain guidelines are followed.

Underground tank testing

There are several types of underground tank testing available. Please call our office for more information.

