



minimize your environmental footprint



# TANKSAFE INC.

Ph: (403) 291-3937 Fax: (403) 291-5125

#208, 3112 - 11th St. N.E., Calgary, Alberta, Canada, T2E 7J1



## Storage Tank

... for **ideal** dual-containment liquid storage.



## Condensation Tank

... for **significant** BTEX emission control.



## Split Tank

... for **convenient** multiple liquid storage.



## Tank/Separator Combo

... for **practical** installation and operation.



## Resin Tank

... for **safe** storage of specialty products.



## Custom Accessories

... for **effective** field operation.



## EcoTrucking Ltd.

... for **economic** tank deliveries.



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## Storage Tank



TankSafe's patented dual-containment steel tank design (heated and unheated) provides an ideal solution for environmentally responsible liquid storage requirements.

The standard configuration incorporates a primary unit, a secondary enclosure and a peripheral heating system, as well as various operation friendly features.

TankSafe's unique design and integral overflow prevention assembly allows for the elimination of dikes and liners (including associated maintenance) while safeguarding against product, soil and groundwater contamination.

Due to the considerably larger interstitial space between the primary and secondary tank, TankSafe's "dual-containment" design (compared to double walled units) provides:

- Higher insulating value
- Uniform peripheral heat distribution
- Greater secondary storage capacity
- Increased primary tank damage protection
- Reduced heating fuel or power requirements

In addition to various optional accessories, the basic storage tank design can also be configured as a:

- **Split Tank** (for multiple liquid storage)
- **Condensation Tank** (for BTEX emission control)
- **Settling Tank** (for suspended particle separation)
- **Resin Tank** (for specialty product storage)



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## Condensation Tank



TankSafe's patented vapour recovery assembly provides an effective and economical means for BTEX emission reduction, saleable condensate collection, odour control and visual plume curtailment at glycol dehydration facilities.

The integral combination of TankSafe's heated dual-containment steel storage tank and roof mounted condensing unit has achieved up to 98% benzene emission reduction and liquid collection containing up to 70% saleable condensate.

Successful air pollution and soil contamination abatement is effected by simply taking advantage of ambient air temperature conditions in combination with the condensing unit's excessive vapour retention time and surface contact area.

The Condensation Tank does not require any seasonal adjustments and, except for selected level gauge and overflow assembly, does not contain any moving parts.

### Standard Tank Sizes:

50 BBL (8,170 L) - 200 BBL (32,910 L)

**Ask about available Quantity Discount Pricing**



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## **Tank/Separator Combo**

TankSafe's modular tank/separator assembly, designed for practical and economical wellsite facility operation, also provides substantial transportation and installation cost savings.

In addition to TankSafe's heated dual-containment storage tank, this unitized skid mounted combination package can be configured and supplied with any customer preferred, detachable meter/separator unit.

### **Standard Tank Sizes:**

5 BBL (835 L) - 250 BBL (40,225 L)

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## Split Tank

This **single footprint** tank allows for **multiple product** storage and provides for fabrication, transportation, installation and bulk product purchase cost savings.

Available in heated or unheated versions, these tanks utilize the same patented dual-containment technology found in all TankSafe designs.

Each compartment within the primary storage tank has its own roof vent, manway, highly visible level gauge and inlet/outlet piping. The compartments share a common utility shed complete with heater and spill containment. Installation of optional transfer pumps can further increase the operational convenience these units provide.

Split Storage Tanks can be sized to meet any of your containment needs including the following common applications:

- New & Used bulk compressor lube or engine oil
- New & Used bulk compressor or generator coolants
- Fresh & Waste water
- Multiple chemicals

### Standard Tank Sizes:

5 BBL (835 L) - 250 BBL (40,225 L)

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## 'Resin' Storage Tank

Specifically designed for bulk resin storage, this version of TankSafe's Storage Tank is perfect for "composite fabricators" that prefer to take advantage of the following significant benefits:

- Lower product costs - significant discounts when buying resin in bulk
- Lower labour costs - no more handling totes or barrels
- Cleaner, safer, and more efficient operation

Each Resin Tank can be customized to suit individual product and production needs. These tanks can be provided with various accessories including:

- Re-circulation piping
- Sloped floor plate
- Roof mounted agitation system
- Vacuum & pressure safety valve
- Level transmitter or gauge assembly

TankSafe's patented design provides a minimum 112% 'built in' secondary containment and our indirect heating or cooling system allows for outdoor storage in all environments.

**Ask about available Quantity Discount Pricing**



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## Custom Accessories

To ensure effective installation and operational convenience, as well as be aesthetically pleasing, TankSafe provides optional choices such as:

- Support grids
- Sloped internal floor
- Flare knock-out bottles
- Specialty internal coatings
- Pump and meter installations
- Blow-down piping assemblies
- Various custom design features
- Suspended particle settling assembly



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## EcoTrucking Ltd.

TankSafe, through its own in-house "EcoTrucking Ltd." division, can in most instances provide economical and efficient tank transportation for TankSafe customers at discounted pricing.

EcoTrucking has available a 25 ton picker, air ride trailers and equipment specifically suited for handling TankSafe products.



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## BeneFeatures

Depending on tank design (ie: storage, condensation, split, etc.) and optional accessories selected, the following features and related benefits may apply:

### **Integral Dual-Containment Assembly**

- Reduced operation & remediation expenses
- Convenient year-round installation & relocation
- Elimination of diked surface water management
- Elimination of dikes, liners and associated maintenance
- Diminished site area requirement (about 50% less than diked tanks)

### **Minimum 110% Secondary Containment Capacity**

- Primary tank damage protection
- Uniform peripheral heat distribution
- Reduced heating fuel or power requirement
- Extra insulating value (due to substantial air space between primary and secondary tanks)
- Considerable spare capacity to contain primary tank overflow

### **Environmental, Health & Safety Considerations**

- Primary tank overflow assembly:
  - Product diversion directly into secondary containment
  - Prevent product, soil and groundwater contamination
- Sealed level gauge assembly (stainless steel internals; highly visible; shutdown switch):
  - Reduced vapour emission & blanket gas operation ready
- ENTELA certified, explosion proof heater installation
- Caged ladder, sour trim valves & lead free exterior paint
- Load-line drip tray
- Utility shed door sill (for extra spill containment)
- Condensing unit:
  - Decreased carcinogenic benzene emissions
  - Saleable condensate recovery
  - Reduced odour & visible plume

### **Roof Connections**

- Flanged or hinged manway access (for easy tank entry and internal inspection)
- Capped 8" diameter auxilliary vent (for extra relief capacity & thief hatch mounting)
- Oversized primary vent connection (for excess vapour & pressure relief)
- Spare connection (for extra inlet or blanket gas connection)

### **Optional Configurations and Accessories**

- Removable primary tank (for expedient & convenient off-site repair)
- Detachable tank/separator assembly (for simple field installation & operation)
- Settling tank configuration (for separation of liquid entrained solids)
- Resin tank configuration (with sloped floor and agitation system)
- Split primary tank compartments:
  - Multiple product storage
  - Reduced installation time, cost & footprint
- Roof mounted flare knock-out bottle:
  - 100% continuous efficient operation
  - Reduced installation time, cost & footprint
  - Elimination of underground installation & operational problems
- Roof entry blowdown piping assembly
- Transfer pump and meter installations



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## **Company Profile**

TankSafe Inc., established in 1996, is a privately owned Alberta based company primarily involved in the development, marketing, sales and distribution of "environmentally responsible" dual-containment liquid storage, vapour emission control and waste treatment tankage.

These "patented" tank assemblies, available in heated, unheated and custom designs, are suitable for all applicable industrial sectors concerned about environmental pollution, operating costs and excessive liability exposure.

Adhering to regulatory guidelines, as well as sound engineering and operating principles, these cost effective units provide a viable alternative to underground and single walled tanks, while simultaneously safeguarding against:

- Unnecessary maintenance, liability and remediation expenses
- Product, soil and groundwater contamination
- Harmful vapour emissions



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## **Contact TankSafe Inc.**

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