

RENTAL TANKS

The Enviro Vault is the patented concept of installing an internal chamber within the tank wall. This chamber, or Vault, provides a variety of advantages for the tank owner, including:

- Valves and instrumentation can be housed inside the vault thereby protecting them from freezing and physical damage
- A Catalytic heater can be installed to provide heat to prevent the fluid in the tank from freezing as well as providing warmth for the equipment housed in the vault
- Security is provided by the ability to lock the access doors, preventing theft and vandalism.
- Enviro Vault equipped tanks are shipped “field ready”, eliminating the requirement for onsite installation of additional components.
- Perhaps the most important feature is the integral spill containment provided in the lower section of the vault.
- Protects valves from damage when loading and unloading from bed trucks.



Spill Containment

Rental tanks are typically used on new well completions and as such are temporary. The cause for many spills is the constant trucking out of fluid. The most important feature of the Enviro Vault is the **ability to prevent soil contamination from spills** associated with the trucking process. The Operator does not want to face reclamation issues once the rental equipment is removed. The integral spill containment provided with the **Enviro Vault captures any spillage** from the disconnection of hoses, while a “suck-out” line facilitates the removal of any captured fluids, as compared to spill trays which are often damaged or discarded in the sump, in which case the fluid they caught ends up contaminating the soil anyway.

Ease of Transportation

As the **Enviro Vault is self-contained**, there are no problems with transportation such as wide loads or the necessity to fabricate and install external housings. The valves and heater are permanently affixed within the vault so that the tank can be **set down and hooked up very quickly** while still offering the many advantages of an Enviro Vault. The latches used on a vault allow the Operator to **lock the doors preventing theft and vandalism** while in the temporary location.

Provision of Heat for Valves and Contents

Severe problems for the Operators are freezing Valves, which are normally located on the external surface of a tank. With produced fluids, water will tend to settle out and collect at the bottom where the valves are located. Heat tracing can be expensive if available. The use of an Enviro Vault provides several benefits. Firstly the **valves are located within the vault where they are kept warm**. Most "Frac Rental" tanks have steam coils for heating the tank fluid, so the vault would be heated by the fluid surrounding it, or this can be accomplished with the use of a catalytic heater located in the vault. The heater also provides heat that is transferred very efficiently through the wall thereby heating the fluid. As you cannot use a FIRETUBE to heat produced oil, this method **gives the operator a solution to freezing problems** without having to worry about spacing requirements for fired equipment.



NEXT TIME, ASK YOUR RENTAL SUPPLIER FOR A TANK EQUIPPED WITH AN ENVIRO VAULT

PLEASE CONTACT **ENVIRO VAULT** FOR MORE INFORMATION



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