

Liquid Containment



Our Innovations team has engineered a containment solution to meet the changing dynamics of the oil and gas industry. With the industries technology changes and the rise of fracturing, our team's design focus was to provide a more efficient way to share and handle large fluid requirements, reduce environmental impact and retain fluid heat during use on-site.

The result is the new EcoPond™ line. Our product line is made up of two patent pending design options that are built to be customizable to fit our customer's site needs and to hold a range of fluid amounts.

EcoPond™ - Steel (EPS):

- Engineered steel frame design (patent pending)
- Minimum footprint required through our innovative modular rectangle shape
- Insulated walls providing additional heat retention
- Panels secured with bolt-free installation
- Each unit can be either 24' or 48' wide by 11' tall, the length can be adjusted to meet your requirements

EPS Model	Footprint		Capacity	
	Width	Length	BBL	m ³
EPS5000	60'	60'	5,000	800
EPS7200	60'	84'	7,200	1,150
EPS9500	60'	108'	9,500	1,520
EPS11800	60'	132'	11,800	1,900
EPS14000	60'	156'	14,000	2,240
EPS16300	60'	180'	16,300	2,600
EPS18600	60'	204'	18,600	2,990

EcoPond™ - Composite (EPC):

- Engineered aluminium and composite panel design (patent pending)
- Ultra light weight circular shape
- Insulated for heat retention
- Bolt-free installation
- All EPC units are 10' tall

Model	Diameter	BBL	m ³
EPC4500	57'	4,500	720
EPC9600	83'	9,600	1,550
EPC18800	116'	18,800	3,000

Both of our industry leading designs are available with the option of an insulated cover to further maintain temperature control.

Efficient

- Portable - Installation can be done, in most cases, in about a day
- Modular design results in reduced transportation costs
- Reduced footprint - choose the size right for your location and project

Effective

- Insulated allowing for greater heat retention or cooling
- Optional insulated covers available in all sizes and models
- Reduced location footprint through sizing and modular design

Economical

- Lower overall cost per cubic meter than conventional upright tanks
- 10% of the transportation cost of standard tank solutions
- Labour reduction - quick setup/take down

Environmental

- Significant reduction in any water hazard
- In many cases the environment does not need to be altered for set up
- Less transportation emissions and damage
- No fencing required

The EcoPond™ Difference

EcoPond™ Composite (EPC) - is a certified, engineered circular tank that is designed with a patent pending channel interconnection between panels. This design is the same strength as older styles but eliminates the use of bolts, pins or clips lessening risk for failure. The EPC is also ultra lightweight drastically reducing the amount of trucks needed to transport one EcoPond™, in comparison to other smaller multi- tank storage systems.

EcoPond™ Benefits

Safety Benefits:

• Interlocking design:

An innovative, patent pending channel system that eliminated the bolts, pins or clips from set up.

• Constant Monitoring

Easily equipped with an electronic monitoring device to provide visual and audible alarms to alert of potential safety risks.

Monitors tank conditions:

- Wave Crest
- Pressure Changes
- Temperature
- Volume Fluctuations
- Fill Rate
- Capacity

• Temperature Regulation:

The EPC panels are insulated during fabrication adding an insulation value to each panel while also providing less thermal shorts than many of the other fluid storage tank alternatives. Ultimately requiring less energy to regulate the fluids to the desired temperature.

Optional insulated cover or lid is available. Reduces evaporation and helps reduce temperature loss.

• Installation:

With best practice procedures used during all equipment installations, our team is committed to working safely and ensuring quality service from start to finish on projects.

Health Benefits:

The high quality composition of our EcoPond™ and the chemical resistant liner, ensure that the handling of post-use fluids (frac flow back) are safely contained until treated to ensure a turn-key solution to eliminated environmental impact. Our added electronic monitoring system provides additional leak detection. Safe location practices ensures our environment and ecosystems remain protected.

Environmental Benefits

• Environmental Protection:

Set up with little or no ground disturbance, EcoPond™ provides safe fluid containment and reduces reclamation time and costs.

EcoPond™ offers the proper containment of flow back fluids, which is critically important to the environmental safety of the ground water and the earth surface.

• Added Assurance:

Our liners are made of durable reinforced materials product that can be double lined allowing for extra assurance in today's demanding mining applications. Our liners are only used once, ensuring optimal performance at every installation.

Our liners have proven to retain their integrity in the harshest of environments and through a variety of applications.

• Transportation & Pollution Reduction:

The EPC can be transported on one to three trucks, reducing emissions amounts by over 95% versus the equivalent trucking of 400BBL or 500BBL tank systems.

EcoPond™ can be set-up and removed in less than a day, further reducing pollution, the energy and time consumption over conventional (multiple) tank solutions.

With less trucks needed, operation and community safety improves with much less impact to the project site terrain.

• Energy Reduction:

The energy consumption required during the construction process of one of the EPC tanks is far less than the energy required to construct the equivalent capacity in smaller multi-tank systems.

• Rain Water Capture and Re-Use:

The EcoPond™ can be safely left with an uncovered top, allowing for the capture and re-use of rain water.

