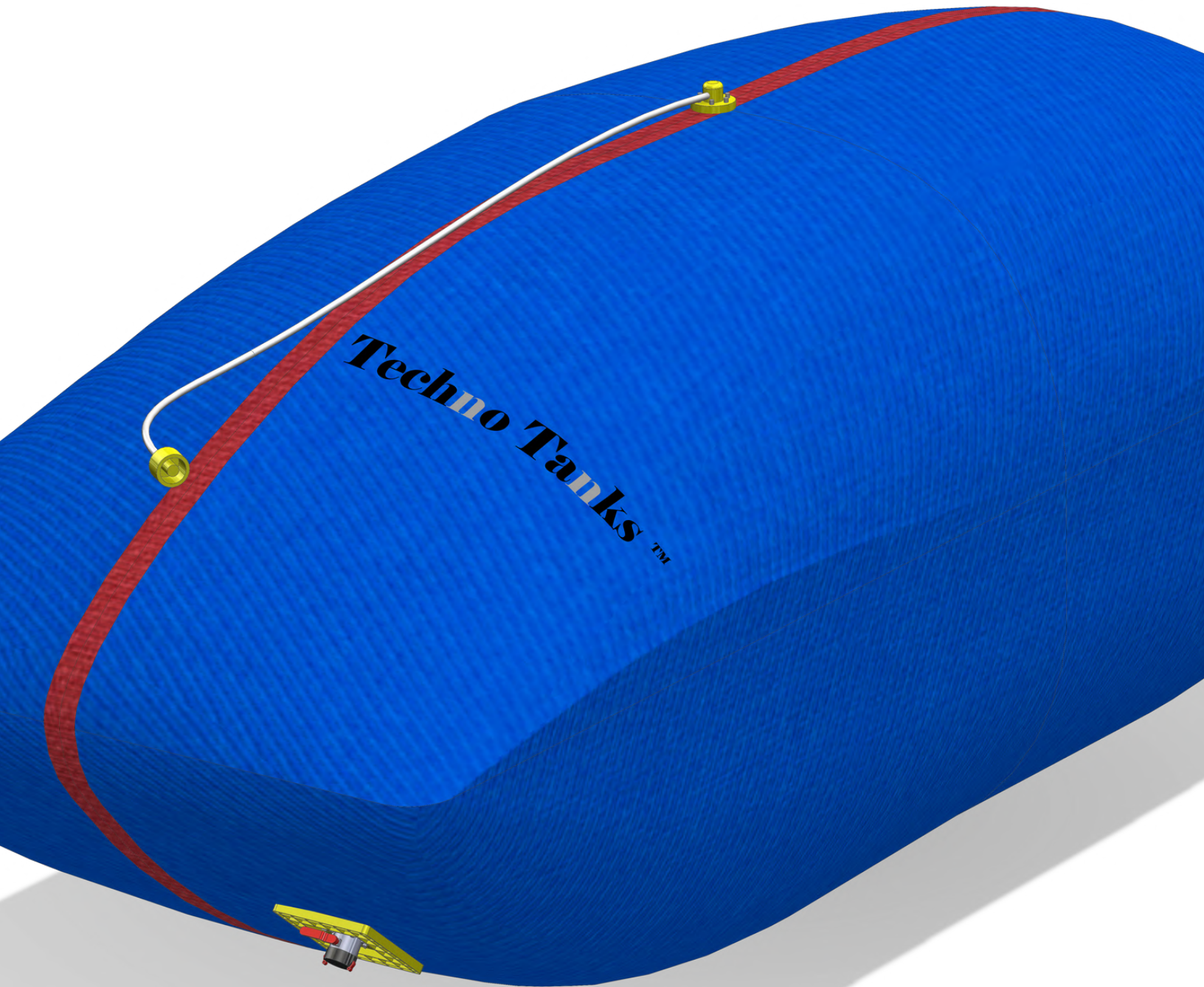




Techno Group

FLEXITANKS & BULK LIQUID LOGISTICS



FLEXITANKS

Techno Tanks™

Techno Tanks is a division of Techno Group, a company founded in 1999 in the United States, which has evolved to become a leader in the bulk liquid storage solutions and logistics industries.

Understanding that there was a need for a more efficient and effective liquid packaging and transportation solution, Techno Tanks began designing and manufacturing its own tanks in 2011.

Our proprietary design are frequently tweaked and revised as we are constantly pursuing increases in reliability, safety and efficiency. Our goal is for our customers to have complete peace of mind when they are using any one of our products for storage or transportation and to offer them the highest standard of service.

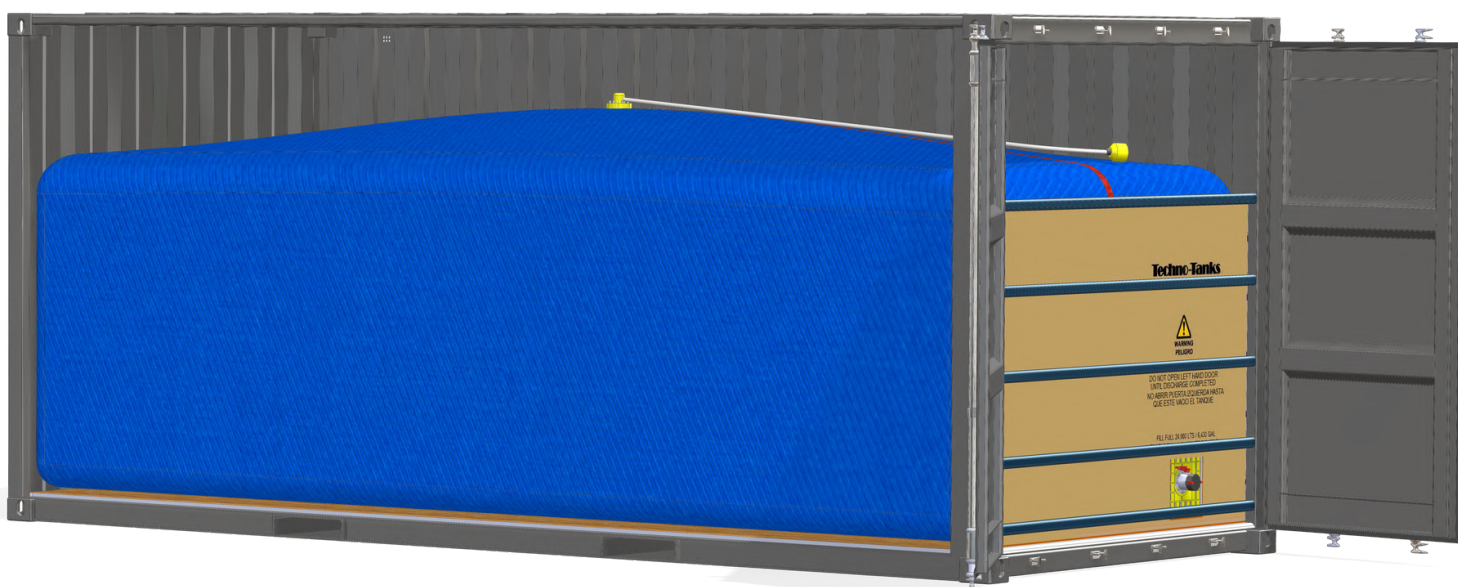
Through constant innovation and with the use of advanced technology we are able to manufacture high quality tanks and accomplish successful projects with government agencies, armed forces, multinational corporations and small businesses. We can provide customized solutions to meet your needs.

Our flexitanks, are the most effective and efficient alternative to transport and store your bulk liquid products. Their pliability allows for them to be rolled or folded into a smaller area than what they normally occupy and this allows for easy and convenient storage while liberating all the unused space for all your other operations.



WHAT IS A FLEXITANK?

Flexitanks are the safest, most innovative solution to transport and store non-hazardous bulk liquids while preserving the integrity and quality of your products.



Each Flexitank can be precisely placed inside a 20ft international standard container. A Flexitank is designed to maximize utilization of the containers space to achieve an optimum payload of 16-24 tons. A flexitank makes the best use of the container mode and is suitable for railway, road and ocean transport.

Flexibags as they are also called reduce loading and unloading times and reduce both material management costs and logistics costs.

ARE ALL FLEXITANKS THE SAME?

Our Flexitanks are single use multi-layered bladders which are made by a proprietary blend of polyethylene and an outer covering of woven polypropylene. Not all flexitanks are equal, we manufacture top of the line products for our customers.

"We can manufacture a flexitank with any modification necessary to meet our customers needs, but we will never sacrifice quality."



Although Flexitanks look relatively simple, they are quite complex and a cheap or bad quality flexitank can lead to complications and yield large economic losses.

APPLICABLE PRODUCTS

Fruit Juice, Concentrates, Food Additives



Motor Oils, Additives



Potable Water, All types of water



FOOD PRODUCTS
INDUSTRIAL OILS
NON-HAZARDOUS CHEMICALS



Cooking Oils, Vegetable Oils, Latex



Synthetic Resin, Ink, Paint, Glycerine,
Polyether, Propylene Glycol



Chemicals and Chemical Reagents

* See a more comprehensive list www.technogroupusa.com/flexitank-suitable-products

** Contact us to determine the compatibility of your products.

BENEFITS VS TRADITIONAL METHODS

On a 20ft container load you will immediately experience massive benefits!



- Insufficient supply
- High cost in rent, return, cleaning
- 30% Higher logistics cost
- Does not maximize space

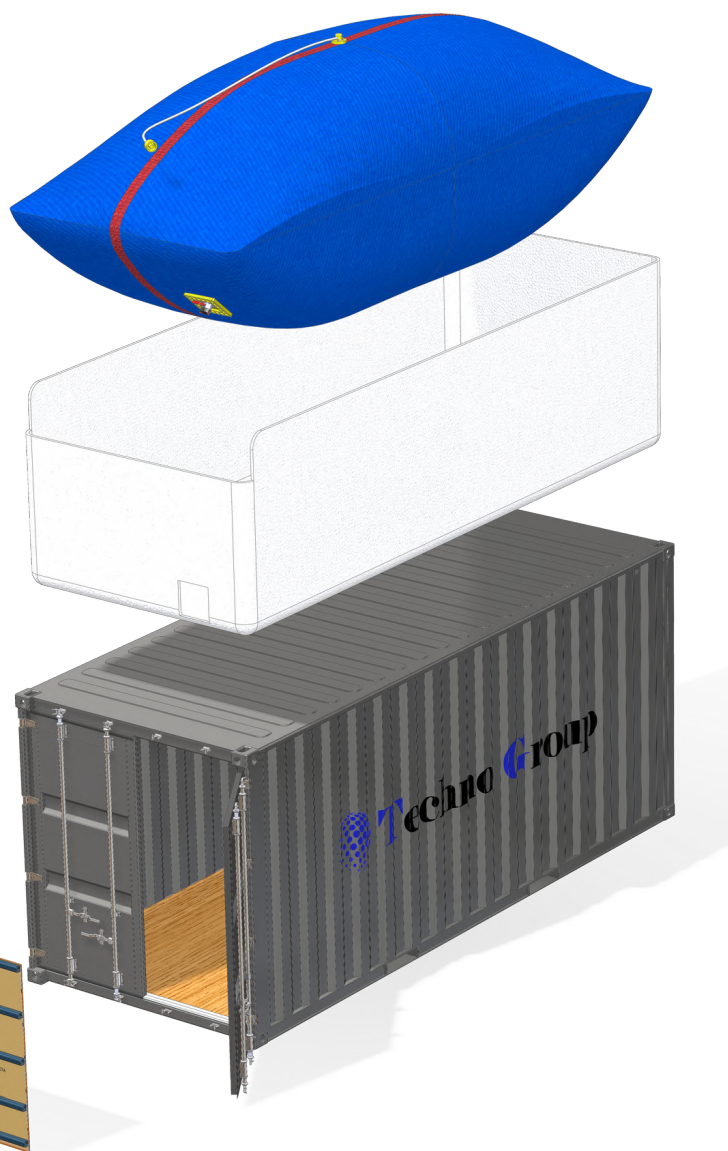


- 30% Higher packaging cost
- 50% Higher logistics cost
- 80% Higher labor cost
- Does not maximize space

- 20% Higher packaging cost
- 40% Higher logistics cost
- 85% Higher labor cost
- Does not maximize space

LOADING AND DISCHARGE TIME OF 24 TONS OF PRODUCT IS LESS THAN TWO HOURS AND CAN BE PERFORMED BY ONE OPERATOR

All required accessories and supplemental accessories are included with all our flexitank kits.



- Flexitank
- Metallic Bars
- Bar spacers
- Bulkhead
- Cardboard roll
- Air Vent
- Premium Valve holder with ball valve
- Valve securing device
- Valve cap
- Valve seal
- Door bumpers
- Door seal
- Door decals
- Installation, charge and discharge manuals
- Unlimited support

***Pool liners, Plastic Bulkheads, Heat Pads and EVOH Film Flexitanks for Wine**

FLEXITANK KIT

When you acquire a flexitank you will receive 4 pieces that are required for the proper installation and utilization of the flexitank.

- Flexitank Box
(All supplemental accessories inside box)
- Bulkhead
(3 Types available)



- Metallic Bars
- Cardboard Roll

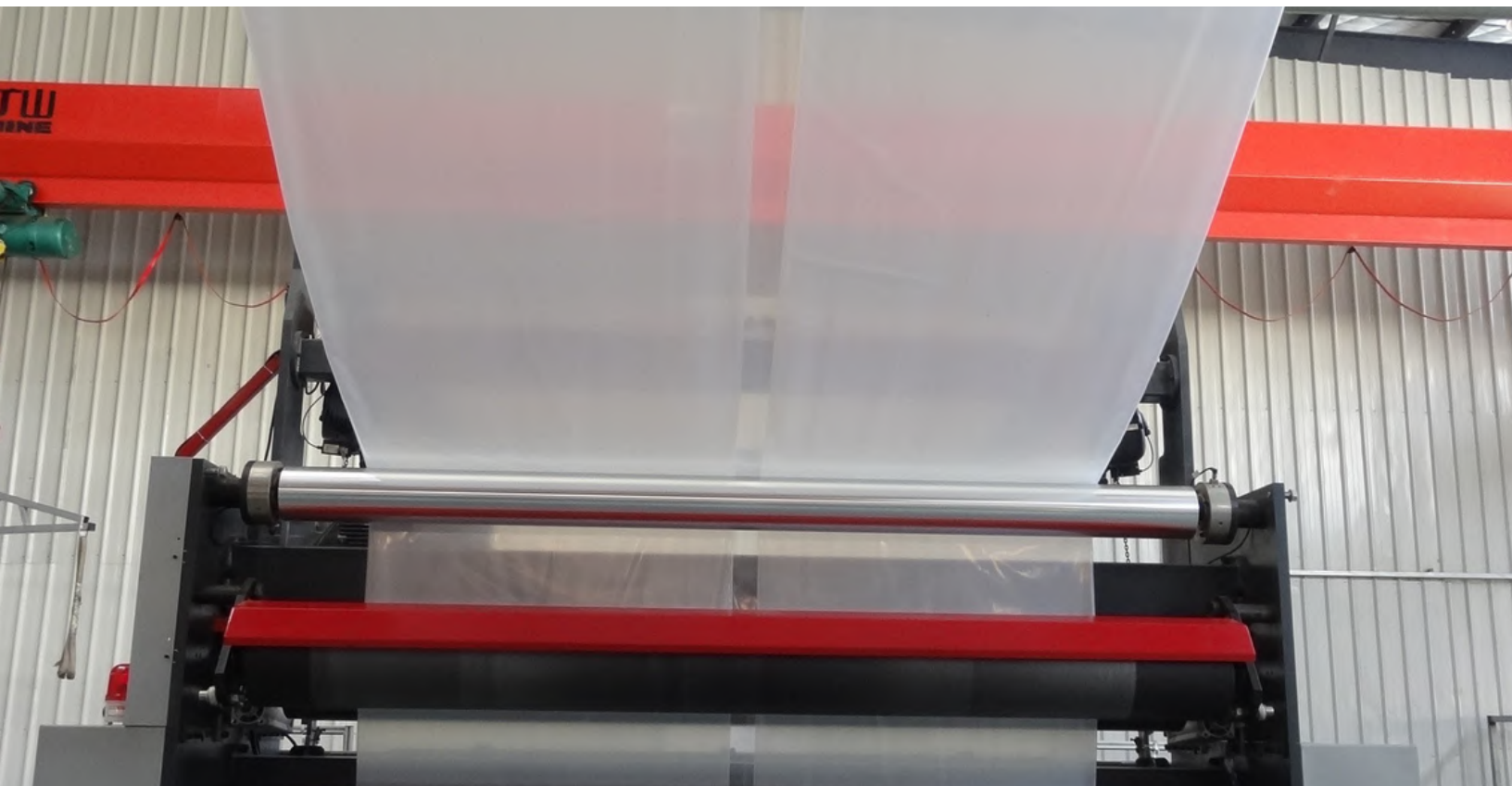


CERTIFICATES

Our tank has many certifications and for further peace of mind we have a 5MM USD Product Liability Insurance in the rare event that a flexitank fails.



***"Cheap flexitanks aren't good.
Good flexitanks aren't cheap."***



QUICK OVERVIEW OF AN INSTALLATION

- Clean Container



- Fit Container



- Install Flexitank



- Filled Flexitank



HOW ARE FLEXITANKS SHIPPED?

All cargo is palletized and full container loads are distributed in the best possible way to maximize the space available.



SPEC SHEET



Techno Tanks™

MULTI LAYER FLEXITANK TECHNICAL SPECIFICATIONS

Our flexitanks, made of patented polyethylene film with directional molecule technology and an external layer of ultra high tensile woven polypropylene, provide the optimal flexibility, elasticity and strength properties to withstand the most demanding conditions encountered during your shipment.

Grade	Food Grade Flexitank	Accessories	5 Steel Bars (2"x 2")
Polyethylene	Premium: 4 Layers -125µm		Cardboard Bulkhead or PP Bulkhead
Polypropylene	Premium: 225m±5g/m ²		High Density Corrugated Paper
Capacity	24,000 Liters		Valve Plastic Holder
Types	Top Load & Top Discharge (TLTD) Bottom Load & Bottom Discharge (BLBD) Top Load & Bottom Discharge (TLBD)	Temperature	Heating Pad (Optional) Air Release Valve + 10' Hose with cap Liquid temperature 20°C to 70°C Ambient temperature 0°C to 70°C
Ball Valve	3" Male Ball Valve. Tested at 0.35MPA High-strength nanometer polypropylene	Certifications	The tank meets the standards of ISO9001, FSSC22000, FDA, EC, Kosher, Halal, COA Membership, COA Railway test

POLYETHYLENE 125µm TEST	UNITS	METHOD	PASS1008:2016	RESULTS
Impact Strength	g	ASTM D1709-15	≥2250	5236
Tensile Strength	N/mm ²	ASTM D882-12	MD ≥28 TD ≥28	42.3 39.8
Elongation at Break	%	ASTM D882-12	MD ≥600 TD ≥650	690 760
Tear Resistance	N/mm ²	ASTM D1004	MD ≥90 TD ≥90	≥90 ≥90
POLYPROPYLENE UHT 225g TEST	UNITS	METHOD	PASS1008:2016	RESULTS
GSM	g/mm ²	ASTM D5035	≥170	225
Tensile Strength	N/50mm	DIN 53857	MD ≥1500 TD ≥1500	2000 2000
Elongation at Break	%	DIN 53857	MD 15% -25% TD 15% -25%	18.8 18.8
Stitch Strength Test	N/50mm	ASTM D5035	≥500	1102
Yarn Count	Dennier	DIN 53864	MD TD	2000 1700
APPLICATIONS	Single use flexitank for food stuff, pharmaceutical and non-zardous chemical and industrial products.			
Insurance	5,000,000.00 USD Product Reliability Insurance			

We manufacture flexitanks in multiple sizes, configurations and specifications. Contact us if you have specific requirements.

This information is correct to the best of our knowledge. We recommend the user establish themselves that the material performs satisfactorily for their own requirements. Quoted test results cannot be used as specifications limits, but are typical values intended for guidance. No liability is accepted by us for any damage, injury or loss resulting from the use of this information.



WE WELCOME SPECIAL
PROJECTS AND GOVERNMENT
AND PRIVATE SECTOR BIDS

The image shows the interior of a red shipping container. The floor is covered with a blue tarp, and a white hose is laid out on it. The container's walls and ceiling are made of red corrugated metal. The text "LIQUID TRANSPORTATION SOLUTIONS FOR ALL INDUSTRIES" is overlaid in the center.

LIQUID TRANSPORTATION SOLUTIONS FOR ALL INDUSTRIES

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