

# Flexitank Introduction



Philton Polythene Converters

# History of Philton

## PPC

- Specialist manufacturer of transit packaging for over 35 years.
  - Expertise in Bulk solutions
  - Our Keynote is Quality
  - Use technology from other manufacturing disciplines
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- Philton has a second manufacturing plant in Shanghai – P.R.C
  - Alliance with PPC for 10 years, over 5 years as a J.V. company
  - Systems based on U.K. principles with full batch traceability
  - Also ISO9000/2000 quality assured.

# What is a Flexitank?

The Flexitank is an ideal product to store and transport all kind of non-hazardous liquids and chemicals in a 20' dry container. Flexitanks are easy to install and optimizes the use of the container space. The flexitank can be loaded with a variety of non - hazardous liquids such as latex, wine, lubricants, additives, edible oils and many more. The one-way disposable flexitank virtually eliminates the possibility of contamination and is easily disposed off without causing any environmental issues.

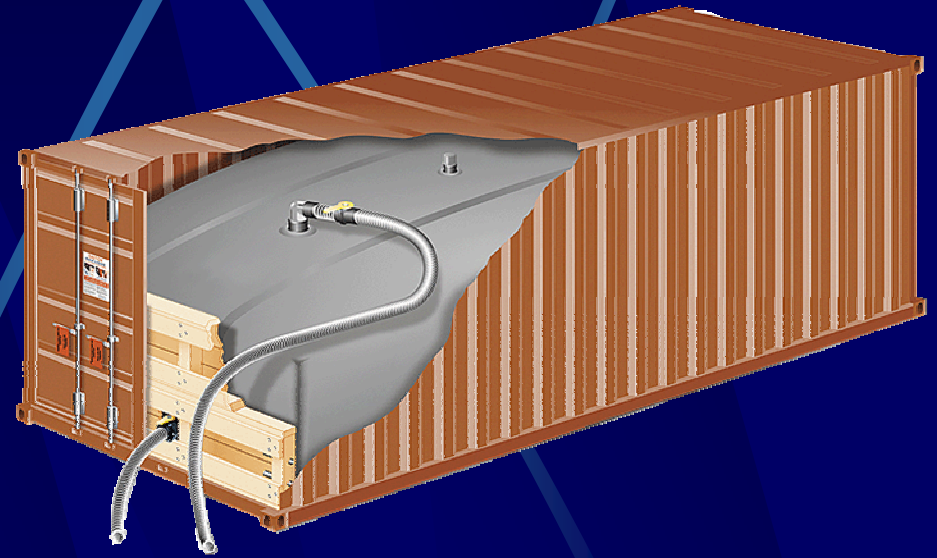


# History of the Flexitanks

- Have been used for over 20 years.
- Original Flexitanks were made of Butyl rubber. Very expensive to reposition, clean and repair.
- PVC tanks were a cheaper option but still expensive to reposition, clean and repair.
- Multi-ply PE tanks are the cheapest and most widely used single trip option.
- Single ply PE tanks also used in certain markets.

# Benefits of Flexitank

- ✓ Simple, reliable and economical
- ✓ Fast loading / discharging time
- ✓ High space utilization
- ✓ Environment friendly
- ✓ No risk of cargo contamination
- ✓ Low storage cost for empty tanks
- ✓ Covered by a factory warranty and product liability insurance



# Setbacks of small bulk containers

## Drums (Steel / Plastic)

- High cost of packing
- High labour cost
- Long stuffing time required
- Low space utilization
- Disposal problems



## Intermediate Bulk Containers

- Not always available
- Expensive
- Heavy reliance for return load
- Need forklift equipment
- Long stuffing time required



# Setbacks of bulk shipping

## ISO Tank Container

- Not always available
- High rental / shipping cost
- High cleaning cost
- Slow to position
- Heavy reliance on return load



## Parcel Chemical Tanker

- Not always available
- Slow to position
- Require large cargo volume
- Port to Port only
- Heavy reliance on bulking installation



# Multi-ply PE Flexitanks

- Constructed of different individually welded layers
- Can have an internal or external barrier layer
- Security in our unique testing system
- Quality record that cannot be surpassed.

# Capacity of Flexitanks

- Virtually any size from 10,000 litre to 36,000 litre.
- Restricted by weight / volume / regulations in various countries.
- Fill within 500 Litres otherwise fluid dynamics may break the Flexitank.
- Brace the bulkhead.
- Generally the more viscous product, the smaller the Flexitank used.

# Comparison in 20' Container Box

	<b>Flexitank</b>	<b>Drums</b>	<b>IBC</b>
No.of units	<b>1</b>	85	20
Per Unit	<b>24,000 litres</b>	207 litres	1,000 litres
Total Capacity	<b>24,000 litres</b>	17,595 litres	20,000 litres
Fitting Time	<b>.5 hour</b>	2 hour	2 hour
Stuffing Time	<b>45 minutes</b>	5 hour	3 hour
Labor In Use	<b>2</b>	3	3
Work Space	<b>Low</b>	High	Moderate

# Uses of Flexitanks

- Military Use
- Emergency supply
- Water storage
- Shipment of Industrial and Food grade non – hazardous Liquid

## Range Of Products

### Industrial Grade

Synthetic Latex  
Detergents  
Lubricating oil  
Base Oil  
Fatty Acid  
Plasticisers  
Emulsions  
and many more...

### Food Grade

Vegetable Oil  
Edible Oil  
Sorbital  
Juice Concentrates  
Wine  
Nut oils  
Vegetable oils  
and many more...

# Valve / Hose Configurations

- 2" top fill hose assembly or valve with camlock is the standard.
- 3" top fill hose assembly or valve with camlock is available.
- 2" or 3" Stubby valve or spigot available.
- Bottom load / discharge valves are available.
- Other larger sizes are available but are considerably more expensive.
- Different end connections available on request.

# Installation of Flexitank



# Correct installation is essential

- Easy process to install, however easy to go wrong.
- The Flexitank is likely to fail if not installed correctly.
- Our Insurance cover is void if all procedures are not followed.
- Installation checklist is installed with every Flexitank.

# Cargo Loading



# Philton Polythene Converters

Thank you for your time to view this presentation. Please do not hesitate to contact us with any questions you may have.

## Contact

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