

LiquiFold 300 Intermediate Bulk Container



Intermediate Bulk Containers:

Simplifies Handling

Minimizes Packaging Material

Reduced Packaging Cost

Improved Safety

Improved Hygiene

Improved Ergonomics



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LiquiFold 300 – Intermediate Bulk Container

LiquiFold 300 is a Bag in Box Intermediate Bulk Container which folds flat for space efficiency and is specifically designed to produce savings, improve handling and address environmental issues, for all non-hazardous liquids.

During LiquiFold's design process, every aspect of the handling chain has been analyzed to determine user friendly and efficient solutions for filling, decanting, storage, transport and cleaning. The result is a versatile new handling system for liquid products, which offers significant benefits over existing systems and provides a contemporary solution that embraces the future.



LiquiFold 300 takes up very little space when folded, thus optimizing return transport and storage capacity.



One person can easily prepare the container for filling.



The flexible liner is easy to install.



Hygiene

The highest standards of hygiene are a fundamental requirement when handling food and chemicals. LiquiFold 300 is made of materials approved for use with food, has a hygienic design and is easy to keep clean. The flexible liner can be sterile and can be filled without letting air into the container.

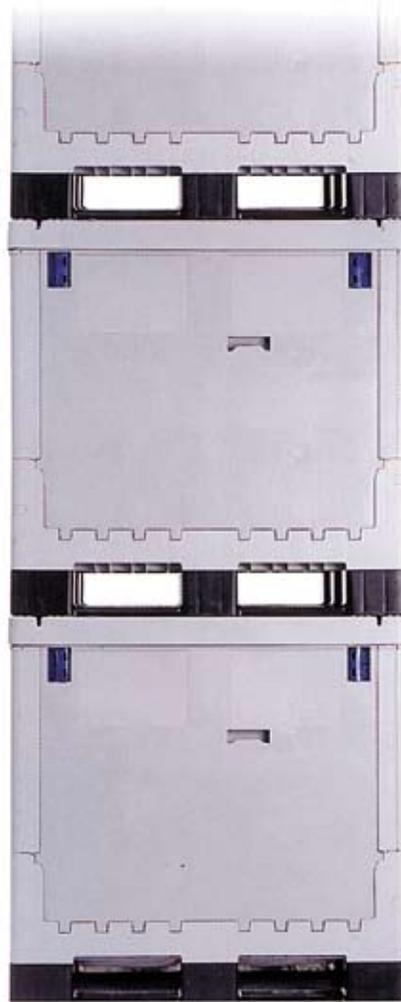
Safety

LiquiFold 300 is designed for extremely tough handling. All products are tested for transport by truck, rail, sea container and break bulk ships. Particular consideration has been paid to railway carriage shunting, which can entail extremely hard impacts, stresses and strains.

The new packaging solution for liquid products



The filling process can easily be done using existing systems.



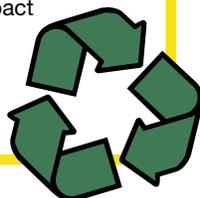
LiquiFold 300 can be stacked up to five high when filled—even for long-term outdoor storage.



After Emptying, LiquiFold 300 is easily folded together for return transport.

Environment

A reusable system eliminates the need for large quantities of disposable packaging material. A foldable reusable system saves on return transport compared to a rigid system. Life Cycle Analysis conducted at the University of Lund in southern Sweden show that LiquiFold 300 dramatically reduces environmental impact compared to the most common systems for liquids handling.



Profitability

The aim of LiquiFold 300 is to combine the benefits of a rigid return container system, with the simplicity of disposable products. The fact that the containers fold together reduces return transport costs and storage space, and flexible liners make cleaning extremely simple and increase product safety, as well as reducing scrap. Compared to a disposable system, LiquiFold 300 offers quick payback on investment due to a significant decrease in material consumption.



A revolutionary packaging solution for fluid handling

Side walls and base have rounded corners and smooth surfaces, with no cavities where dirt can gather, ensuring the highest level of hygiene and security.



LiquiFold 300 containers are designed for use with a recyclable liner.

Twin-wall side walls engineered for optimum strength.

Integrated 4-way pallet allows efficient and secure handling by forklifts and hand trucks.



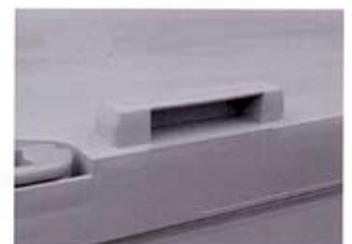
LiquiFold 300 containers can be easily and quickly folded when empty for space-saving storage and cost effective distribution.



Ergonomic handgrips make it easy to grasp a side wall and quickly erect a folded container.



LiquiFold 300 containers are equipped with a unique corner locking system that ensures optimum performance even under stress such as high pressure filling and rail transport.



LiquiFold 300 lid has integrated handles on the long sides to facilitate the placement and removal of the cover.



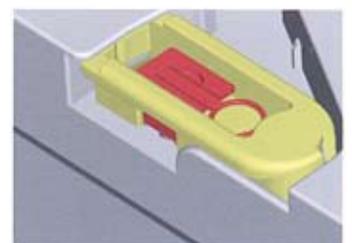
To protect container contents, the LiquiFold 300 lid comes with a unique locking system that secures the cover at eight different places.



Stacking ridges ensure the cover and skid interlock when stacked, allowing a safe, self-supporting column in storage and distribution.



Large labeling area around the top perimeter of the container, including corners, are available for identification of contents. There are also other kinds of labeling such as molded in logos that clearly identify ownership.



Tamper evident seals are available for maximum security of container contents.

Flexibility in focus

LiquiFold 300 has been developed for use in a wide range of industries and situations. It is designed for different types of liquids which are filled under varying conditions, and with varying demands on shelf-life. LiquiFold 300 can be stored outdoors for long periods, as well as indoors in freezer rooms, for example. LiquiFold 300 is a highly flexible and efficient system.

Flexible liner protects the contents

LiquiFold 300 is used with a food-grade or aseptic liner which can be filled without allowing air to mix with the product. The contents are protected against external damage and oxidation. When required an aseptic filling system can be used, which together with a gas-tight liner guarantees long storage time.

When the product is to be used, it can be emptied without letting air into the container. The flexible liner collapses on emptying, and no oxidation takes place during the decanting process. This is particularly important when dealing with products that are readily affected by contact with air.

A flexible liner is easy to empty completely, thus avoiding product residue. After emptying the liner is replaced and sent for material recycling, reducing environmental impact.

Simple handling—for everyone

LiquiFold 300 is equally easy to handle for the company filling and delivering, as for the one receiving and emptying. The most important locking devices on the containers have a simple design, and operation is extremely easy. A lot of effort has been devoted to making all the details as lightweight and ergonomic as possible, making it easy and efficient for anyone to use the system.

Small details—big impact

Feel free to study the details of LiquiFold 300. The smooth surfaces and rounded corners ensure the highest standards of hygiene, secure protection of the contents and a safer working environment at every stage. All parting lines are overlapping, and it is impossible to access and damage the contents. Even dust and moisture are shut out of a filled LiquiFold 300. Should an accident occur and a LiquiFold 300 component becomes damaged, the modular construction ensures they are easy to replace.

Contact your local specialist for more information!

Commercially efficient

LiquiFold 300 is available for purchase, lease or daily hire/rent; providing flexible, efficient solutions for all commercial requirements.

The facility to rent/hire containers from one National location and dehire in another, can provide major economic benefits by removing the need for return shipments.

LiquiFold 300 is a proven system and with a comprehensive package of ancillary equipment to ensure product handling efficiency across a broad spectrum, in addition to full user support; provides the modern solution for the old challenge of liquids handling.

Accessories and customized solutions'

LiquiFold 300 is available for various applications, all of which place different demands on the system's accessories. New innovations are continuously being developed for different areas of use, to broaden the scope of applications and enhance efficiency.

Future demands, today

Our know-how is based on over 25 years' experience in materials handling. Care for the environment has always been our guiding principle, which has resulted in solutions based on return systems and recycling. Financial gains often go hand in glove with environmentally friendly logistical solutions, and this connection will prove even stronger in the future.

For those with HACCP or process control requirements, LiquiFold 300 is the ideal solution.



All LiquiFold 300's are tested according to international test standards. This includes vibration and impact tests.

Ancillary Equipment – Options



LINER GLAND CLIPS

Used to position the decant gland and lock the liner in place before filling.



GRASPING TOOL

Used to position and fit the liner into the container.



DISCHARGE OF LINER BAG

To decant the unit, a valve with either a pin or crown cutter is used to cut the sealed membrane.



EXTERNAL VALVE

Various valves are available and are made from FDA approved materials.

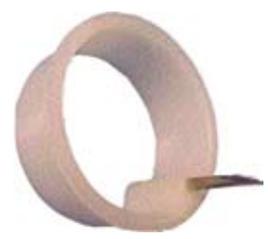
WHITE VALVE AND CUTTING PIN



2" DRUM MAJOR TAP



2" STRAIGHT THROUGH TAP



2" CUTTER ADAPTER



LINER BAG

A wide range of liner bags are available which are produced from multiple layers and seam welded. They also carry FDA, HACCP and Kosher approval.



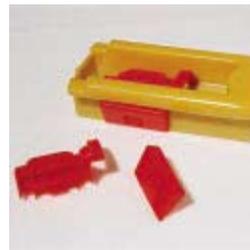
CONNECTORS

Various connectors are available. The connectors are attached to a filling or discharge hose with the hose either connected to the filling or decant gland.



FILLING BRIDGE

The filling gland on the liner bag is connected to a filling bridge for easy filling.



TAMPER EVIDENT SEAL

The tamper evident seal is used to secure the eight locking handles on the lid and forms part of the HACCP compliance.



TAMPER EVIDENT CAP

The tamper evident cap protects the discharge area during transportation / storage and is part of the HACCP compliance.



ASEPTIC MEMBRANE PUSHER CUTTER



DECANT LANCE

Used to decant high viscosity products.



ELBOW SPOUT

Numerous other accessories are also available.



HEATER MAT

Thermostatically controlled heater mat. Positioned under the liner prior to filling and used to assist flow with high viscosity products.



BALL VALVE ASSEMBLY

Option for decanting.

Technical Datasheet

ARTICLE NO		4440.020			
LiquiFold 300 Bottom Discharge		4440.020			
DIMENSIONS		IN (MM)			
OUTSIDE DIMENSIONS INCL LID					
Length	48.6	(1235)			
Width	44.7	(1135)			
Height	45.6	(1157)			
Collapsed Height	18.9	(480)			
OUTSIDE DIMENSIONS EXCL LID					
Length	48.0	(1220)			
Width	44.1	(1120)			
Height	44.4	(1127)			
INSIDE DIMENSIONS					
Length	44.9	(1140)			
Width	40.9	(1040)			
Depth	38.5	(978)			
HEIGHT STACKED		FT (MM)			
2 High	7.5	(2284)			
3 High	11.2	(3411)			
4 High	14.9	(4538)			
5 High	18.6	(5665)			
HEIGHT FOLDED					
2 High	3.1	(930)			
3 High	4.5	(1380)			
4 High	6.0	(1830)			
5 High	7.5	(2280)			
6 High	9.0	(2730)			
PROJECTED FOOT AREA		15.1 ft ² (1.4 m ²)			
CONTAINER CAPACITY		3307 lbs (1500 kg)			
TARE WEIGHT		225 lbs (102 kg)			
MAC LOAD STACK					
Dynamic (2 high)	7042 lbs (3194 kg)				
Static (5 high)	17604 lbs (7985 kg)				
VOLUME					
Internal	306 gallons (1168 l)				
External	57.3 ft ³ (1.62 m ³)				
APPROXIMATE RETURN RATIO		2.5			
FUNCTIONAL TEMPERATURE		+104 °F to -4 °F			
		(+40 °C to -20 °C)			
TRANSPORTATION (collapsed ComboLife 300)					
53 ft Trailer	168 pcs				
2x7 m Trailer	120 pcs				
12.6 m Trailer	110 pcs				
SEA CONTAINER (collapsed ComboLife 300)					
20 ft	50 pcs				
40 ft	94 pcs				
MATERIAL		Polypropylene			
		Food contact approved			
		Fully recyclable			



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