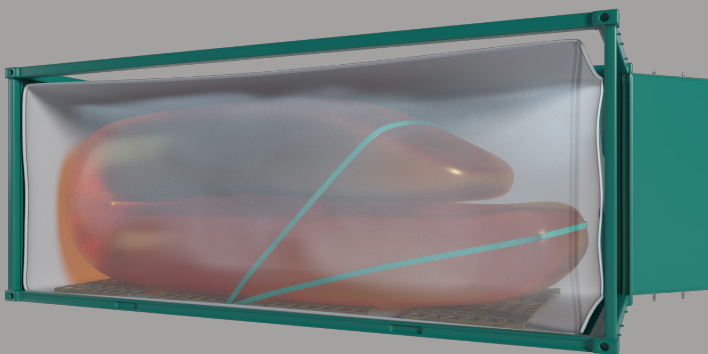


INTEGRATED HEATING SYSTEM

H-FLEX HEATER FLEXITANK



H-FLEX	H-FLEX STEAM LINER
Palm oil, stearin, olein, fish oil, used cooking oil, coconut oil, syrups, glucose, fructose, and liquids with low melting points with a max capacity of 27,000 L.	Speed up heating at the final destination with our innovative steam liner. Heat and melt down your liquids up to 20 times faster compared to conventional flexitanks.

The H-Flex Steam Liner is an enhanced version of our E-Flex tank that contains an integrated heating system to allow for fast heating of liquids for discharge. With our state of the art heating system, the loading and unloading processes are sped up 20 times compared to any other flexitank

What are the main advantages of H-Flex steam liner over other flexitanks with heating?

H-Flex steam liner is the fastest heating flexitank system on the market. The heating is 20 times faster compared to any other flexitank. Even the hardest cargo types would not take more than a day to melt down with H-Flex Steam Liner.

H-Flex Steam Liner is the highest capacity flexitank on the market. The 27,000 capacity allows for about 12% savings on overall freight costs thanks to the increased payload size. You can load palm oils, stearin, olein, fish oil and used cooking oil, making use of our high capacity flexitank.

What makes H-Flex steam liner different than the other flexitanks with heating pads on the market?

With the H-Flex Steam Liner, heating of the cargo at the final destination takes place up to 20 times faster than competitor flexitanks. The H-Flex is the first and only flexitank in the industry with an integrated heating system, providing direct and efficient heat transmission to the core of the cargo to allow for fast discharge.

What is a steam liner?

The steam liner isolates the flexitank from the floor and side walls of the container. Steam directly transmits heat to the cargo from all directions, rather than just bottom of the tank like a conventional heating pad. *Once the energy in the steam has been transferred, the steam condenses into normal cold water, which can be easily drained and disposed of.*

How does the heating process work?

Steam at 4 bars of pressure and 130 °C is inserted through the inlet of the steam liner. The hot steam starts from the bottom and then circulates all around, permeating the entire surface of the flexitank. This results in an even distribution of heat, which allows for rapid heat transfer to the cargo.

Which cargo can I transport with H-Flex steam liner?

H-Flex is specifically designed to work well with cargos which need to be melted down at the destination for discharge. Products such as palm oil, stearin, olein, fatty acids, fish oil, used cooking oil (UCO), fructose and molasses are perfect for transportation with H-Flex.

What sizes of H-Flex are available?

H-Flex Steam Liner comes in 4 different sizes to enable loadings ranging from 12,000 litres to 27,000 litres. 27,000 litre size is the highest capacity on the market and H-Flex is the only flexitank that can load such capacity.

**THINK
OUTSIDE
THE BOX**



What is Thermal Technology?

Thermal technology adapts the principals of hydrothermal vents to flexitanks. It uses a hybrid system that combines a steam liner, elevating grid, and steam distributor.

A combination heating system that simplifies the entire process. The steam liner, which preserves steam, is installed before fitting a flexitank. The elevating grid lifts the flexitank and creates sufficient space for steam circulation underneath the flexitank/solid cargo. This allows steam to be circulated all around the flexitank while heating liquids. Since the steam is directly in touch with the flexitank surface, it transmits more heat to the solidified liquids.

Thermal Technology is used:

- Heat your liquids up to 20 times faster. Steam that's circulated throughout the flexitank not only heats the liquid, but it creates an insulation chamber around it. This causes extremely high heat transmission that will enhance the heating significantly. Thermal technology is being applied along with Nautilus flexitanks to allow for capacities of up to 27,000 liters.

Improve the efficiency of your shipping routes

- The LiguA H-Flex & a conventional flexitank containing the same product (palm stearin) were heated side-by-side.
- The LiguA H-flex Steam Liner fully heated all the products and was completely discharged in only 18 hours.
- The conventional flexitank with a heating pad was fully heated and discharged in 14 days.



VOLUME	VALVE	STEAM HEAT	PRESSURE	APPROVED
12,000 to 27,000 Litres	Camlock 3" Bottom Valve	130° Celcius Maximum Steam Heat	4 BAR Maximum Steam Pressure	Food Approved Raw Materials

USAGE / PREPARATION / STORAGE

Ideal for juices, oils, and wines as well as chemicals. Before we approve cargo, we will need to see the MSDS (material safety data sheet) to ensure that the substance is safe to transport.

Technical Information

- Rail Impact Test 2.38G is 19% higher safety result than the industry standard.
- Clean room production (controlled environment that has controlled level of contamination)
- Not applicable for hazardous cargos

Optional

- pallets underneath the flexitank to increase the heat transmission at the bottom of the flexitank
- optional second valve for circulation of sediment



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