



**BRAID FLEXITANKS**

ENVIRONMENTAL AND  
SUSTAINABILITY GUIDE

The Braid Flexitank offers a low carbon solution for the safe transportation of chemicals, oils, lubricants, wine, edible oils and other non-hazardous liquids.

Each flexitank offers an optimal environment for the cargo it protects through minimal contamination potential and a smooth intermodal transit.

Every flexitank is bespoke: manufactured under a 14001 environmental management system to a design which prioritises the use of recyclable materials in its construction and minimises the use of raw materials reducing consumption of resources.

## Sustainability with Hexopure Technology

- Braid manufacture the PE flexitank film in-house with a process that is supplied with sustainable hydro generated electricity.
- Utilising cutting edge processes and material science knowledge the Braid Flexitank produces the highest performance yet can be engineered to be 15% lighter than many multi-layer alternatives and some 40% lighter than single layer tanks.
- Our valve housing contains a proportion of recycled plastic.
- Dedicated in-house manufacture of flexitank components minimises waste as change overs are eliminated. All waste plastic is sent for reprocessing to manufacture other useful products.
- Steel Bulk head bars can be collected and re-used for other journeys.
- Braid is a certified gold member of TFSinitiative.com (Together for sustainability)



FORTIFLEX



STERGUARD



VINPRO



DEWLOCK

**HEXOPURE**  
TECHNOLOGY

## Recycling a flexitank

When the components which make up a flexitank are separated, each part can be recycled subject to the locality.

Polyethylene is extremely recyclable.

The inner layers can then be reprocessed as polyethylene pellets or granules which are then used to make new plastic products.

The outer layer (polypropylene) also gets recycled into a variety of different products.

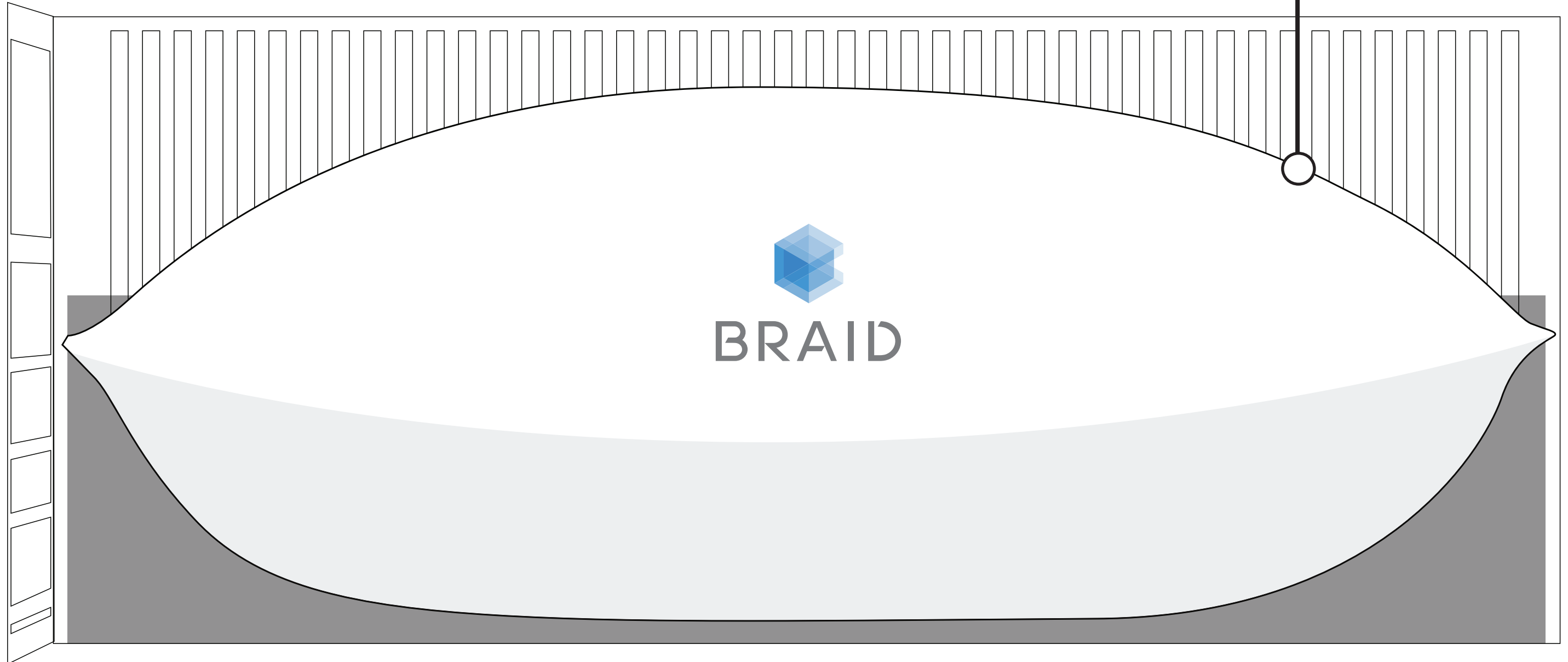
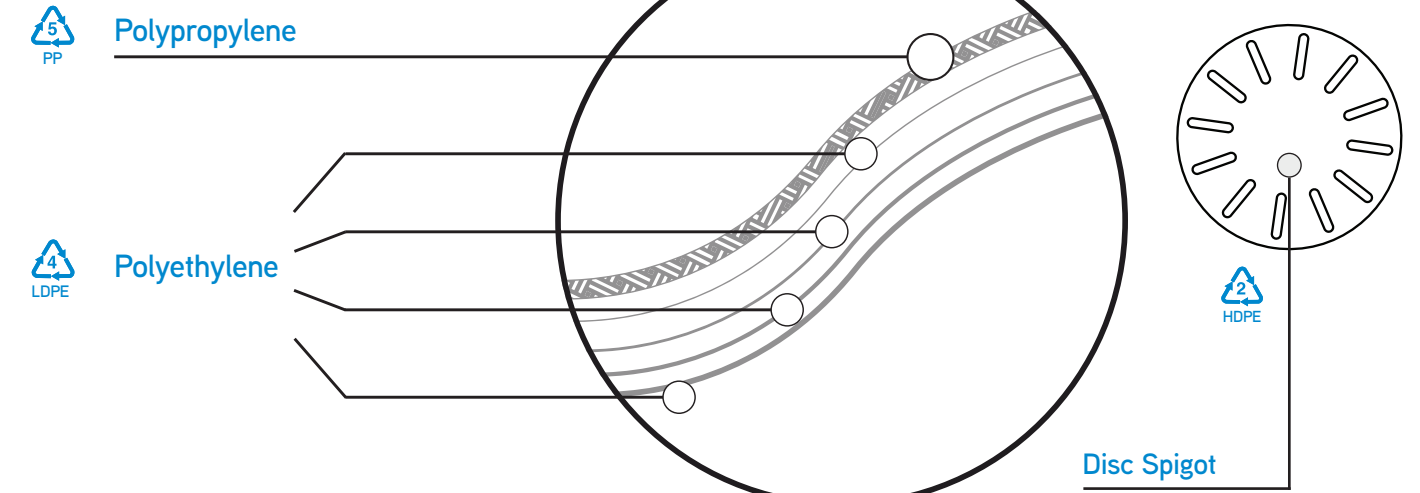
Should the local infrastructure or location prevent immediate recycling then incineration by an authorised waste contractor is the next best alternative. Waste to energy facilities create power from the incineration greatly reducing any residue for landfill. Always use a licensed accredited waste disposal partner.

SAFE WITH SCIENCE

## Our values


- Committed to delivering high quality products while actively managing and reducing their environmental impact.
- Reducing carbon output and environmental impact by minimising the use of materials.
- Using materials which can be widely recycled and contribute to the circular economy.
- Engaging with suppliers and partners who demonstrate best practice in sustainability management.
- Preferring clients and stakeholders who share our ethos towards environmental responsibility.
- Continually engaging and investing in R&D to minimise carbon output and environmental impact.


## Flexitank Components





# Recycling its components


The inner PE layer – the liquid contact layer – could contain product residue and therefore the technology to recycle it is not as widespread. In such areas, the help of a specialist waste contractor should be sought to recycle or dispose of these materials in line with national regulations.


 The main body of the flexitank (PE film) is made from low density polyethylene (LDPE) and is recyclable.

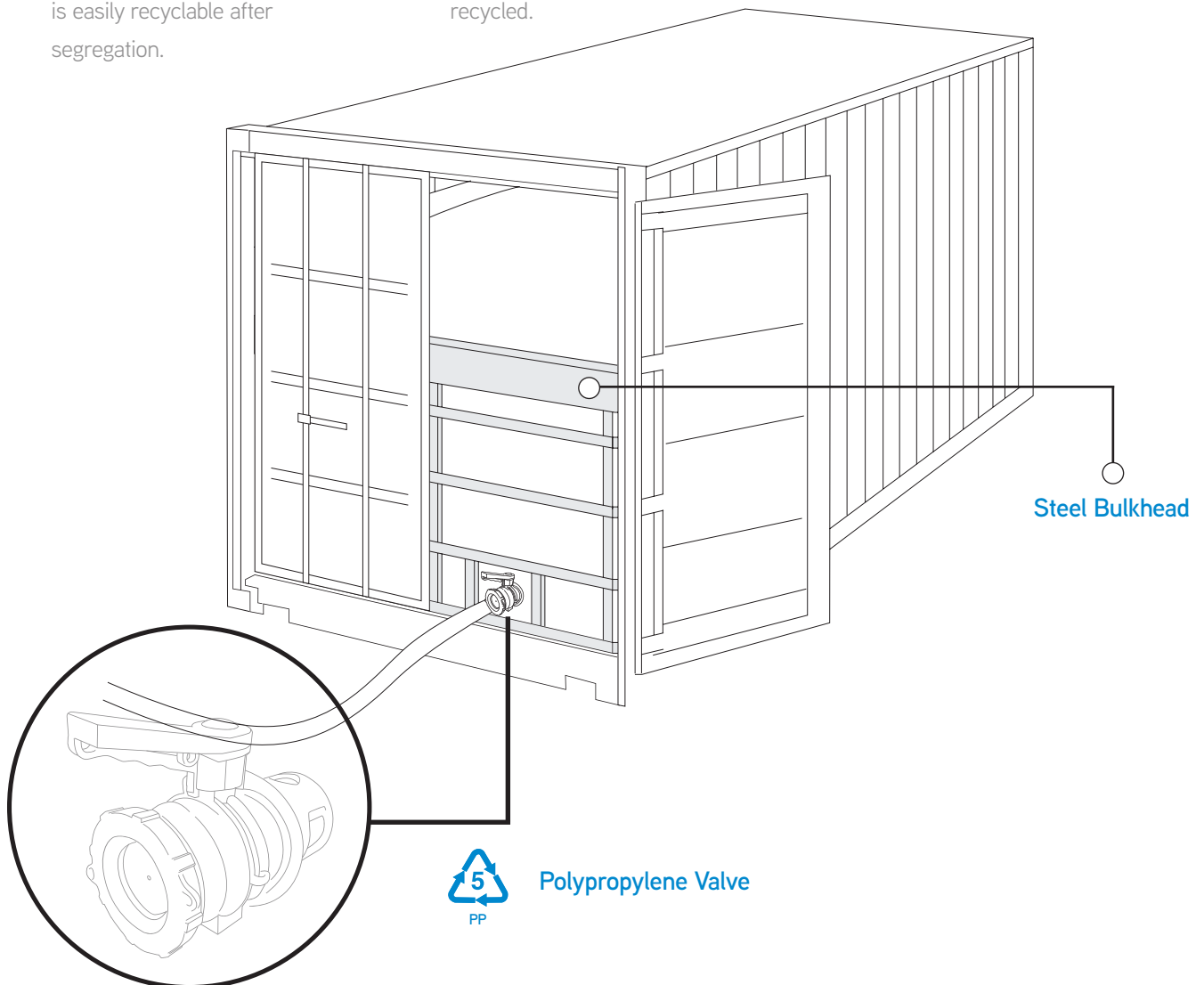
 The material used to line a container is also Polypropylene under its trade name Coreflute and most contractors will have no problem with recycling.

 The disc spigot is manufactured from High Density Polyethylene (HDPE) and recyclable.

 Finally, cardboard is used to pack protect and contain components and all these will be readily identifiable with appropriate recycling labels.

 Polypropylene is used in the fabrication of the valve, support housing and the woven outer layer of the tank. This material is easily recyclable after segregation.

 Steel bulkhead: The final piece of ancillary equipment is a steel bulkhead which is readily re-used or recycled.





## Waste stream guide

	Domestic waste	Commercial waste	Industrial waste	Construction waste
High density polyethylene	X	X	✓	X
Low density polyethylene	X	X	✓	X
Polypropylene	X	X	✓	X
Cardboard	X	✓	✓	X
Steel	X	X	✓	X

When choosing a contractor for any recycling or disposal it's important to ensure the services offered meet with your requirements and local, regional or national regulations. Are they reputable? – are they registered? What can and can't be recycled?

### Always follow the Waste hierarchy

- Reduce
- Recycle
- Energy from waste
- Landfill

We're here to help, every step of the way.

At Braid, customer service extends from the first enquiry all the way through to flexitank disposal.

You can always contact us for more information on disposal and recycling of flexitanks through your local Braid office or by emailing [compliance@braidco.com.sg](mailto:compliance@braidco.com.sg)