

	ISO Tank Containers	Drums	Flexibags	Parcel Tankers
<b>Efficiency &amp; Cost-Effectiveness</b>	<ul style="list-style-type: none"> <li>➤ Unlimited re-usability.</li> <li>➤ Allows multi-modal transport via truck, rail, barge, and ship.</li> <li>➤ Able to transport up to 26,000 litres or 6,868 gallons.</li> <li>➤ Re-stackable with one another or with dry boxes, offering economical space allocation on vessel and at storage.</li> </ul>	<ul style="list-style-type: none"> <li>• Rarely reused and often non-reusable.</li> <li>• High disposal cost.</li> <li>• Maximum of 78 drums can be loaded in a 20ft container = 4,290 gallons.</li> <li>• Storage is expensive and labour intensive.</li> <li>• Filling process is time consuming and expensive.</li> </ul>	<ul style="list-style-type: none"> <li>• Often non-reusable.</li> <li>• Cleaning is difficult and often requires shipping back to cleaning specialist.</li> <li>• Some railroads ban the transport of flexibags due to safety concerns.</li> <li>• For cargo that requires pre-heating before discharge, the heating process is time consuming, expensive, and unsafe.</li> </ul>	<ul style="list-style-type: none"> <li>• Must satisfy minimum cargo size of 200-500 tons.</li> <li>• Terminal storage cost is high.</li> <li>• Restricted destination choice. No Door-to-Door service.</li> </ul>
<b>Safety Concerns</b>	<ul style="list-style-type: none"> <li>➤ All ISO Tanks requires three closures and all of them must fail before any leak can occur.</li> <li>➤ Professional cleaning facilities are readily available everywhere around the globe.</li> <li>➤ Manufactured from stainless steel under strict ISO standards which has high corrosion resistance and it can withstand extreme impact forces without leaking.</li> </ul>	<ul style="list-style-type: none"> <li>• Highly susceptible to leakage and damage while filling, storing, shipping and unloading.</li> <li>• Only one closure.</li> <li>• Very limited cleaning options available and there are very little financial incentives to clean drums after use.</li> </ul>	<ul style="list-style-type: none"> <li>• Unable to interchange hazardous and non-hazardous chemicals.</li> <li>• Risk of rupture and punctures are ever present.</li> <li>• Flexibags carried inside the dry box containers has extremely low tolerance against external impact forces.</li> <li>• Spills are frequent at loading and unloading.</li> </ul>	<ul style="list-style-type: none"> <li>• Risks of contamination from pipelines, pumps and while being stored is relatively high.</li> </ul>
<b>Eco-Friendliness</b>	<ul style="list-style-type: none"> <li>➤ When properly maintained, ISO Tank Containers can last over 30 years.</li> <li>➤ Stainless steel barrels and frames have high financial values and are usually recycled.</li> <li>➤ ISO Tank Container offers very low CO2 footprint per transported metric ton.</li> </ul>	<ul style="list-style-type: none"> <li>• Operating life is around 5 years only depending on usage.</li> <li>• Steel drums are often disposed rather than scrapped as there are little financial incentives to do so.</li> <li>• Plastic drums are often disposed as cost of recycling plastic is high.</li> </ul>	<ul style="list-style-type: none"> <li>• Their useable life is very short at approximately 3 years.</li> <li>• Recycling plastic is expensive and offers little financial incentives. They are often disposed after use.</li> </ul>	<ul style="list-style-type: none"> <li>• Most often the cargo must be transported to the consignee by another mode of transport, raising the total carbon emissions per transported metric ton.</li> </ul>