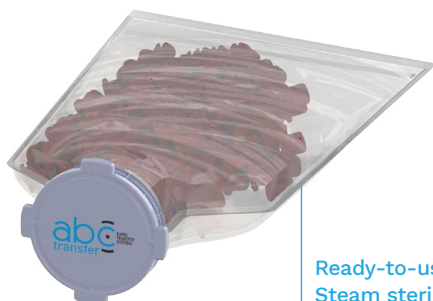
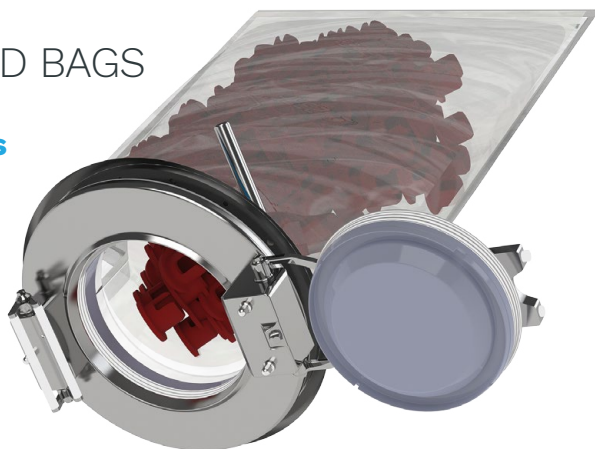


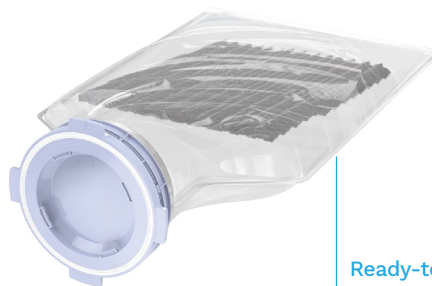
ABC Transfer® single-use ported bags

A REVOLUTION IN THE DESIGN OF PORTED BAGS

Our range of next generation single-use ported bags brings significant improvements to your sterility assurance and operator ergonomics. Designed specifically for parenteral products applications, our single-use ported bags can be used for many more. Their design is future-proof and can accommodate any type of film material. They can be gamma, steam, and ETO sterilized.



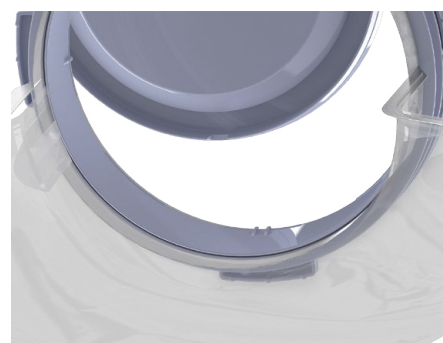
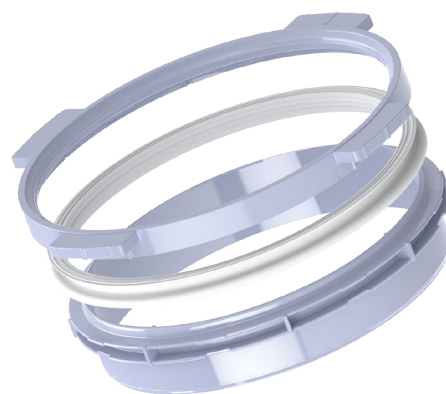
Ready-to-use single-use bags
Steam sterilization
ETO sterilization



Ready-to-use single-use bags
Gamma sterilization

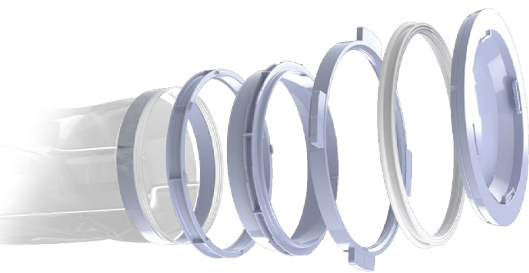
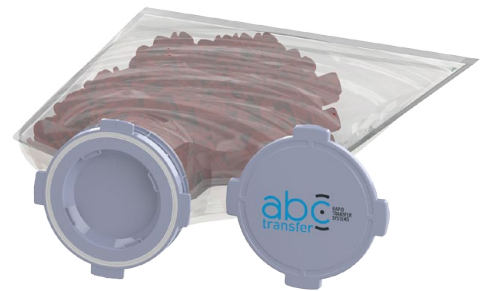
New connector for safer transfers

- The ABC Transfer single-use ported bags integrate the Easyglide™ revolutionary seal. Initial testing shows a leak rate of 10-5Pa.m³/s at 2500Pa of over pressure. This is 10 times better than existing conventional brands and the guarantee of a very long shelf life.
- The ring of concern is virtually eliminated with a surface of 119mm² on a 190-diameter port. As for all ABC Transfer products, the Easyglide™ seal is firmly gripped in position and cannot move during connection.
- All materials comply with FDA CFR 21.177.2460 and USP class VI.
- The ultra-cleanliness is therefore guaranteed from the production of the components to the vibrating bowl.
The connector is constructed with no sharp edges, which can shock the components and generate micro-particles. The door opening motion has also been optimized to reduce the rotation angle to 30° instead of 60° on conventional systems.



Improved patient safety

- The connector's protective cover** acts as a pressure cover, which reduces the leak rate by 10-fold and adds an extra level of sterility assurance. This is a very important feature for air transport since air pressure inside an aircraft decreases by 20000 Pa once airborne.

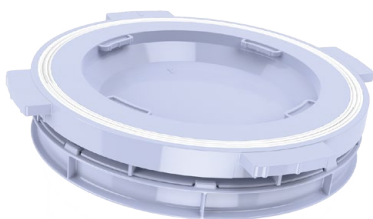


- No welding of the film on the connector**

The ABC Transfer single-use ported bags use a very innovative assembly method, which does not require any welding of the film on the connector. This significantly decreases the stress to which the film is subjected, reduces the risk of creating micro-leaks and increases the mechanical resistance of the assembly. For example, a 190-PE/EVOH/PE single-use ported bag can hold 80 kg without any damage.

- Standardized position of the connector at the end of the bag**

The ABC Transfer single-use ported bag assembly method makes it possible to standardize the position of the connector at the end of the bag, regardless of the film material. This enables you to standardize the transfer process in your factory. It also significantly reduces the risks of film puncture that currently exist on Tyvek ported bags, while greatly improving operator ergonomics.



- No pollution of your products by endocrine disruptors**

ABC Transfer has gone further in the protection of the process against extractables and leachables by choosing plastic materials that contain zero Bisphenols and zero Phtalates. This guarantees that your products are not polluted by endocrine disruptors. Regardless of your sterilization method, the materials are always the same: LSR for the Easyglide™ seal and PPO for the connector. This makes your validations simple and easy.

- 10-fold reduction of the pollution of the components by non-viable particles**

One barrier to the expansion of single-use applications is the pollution of the components or the API by non-viable particles. This is why ABC Transfer and our partners have set up a unique ultra-clean supply chain with the objective of reducing the level of pollution of conventional solutions by 10-fold.

Eco-responsible single-use bags

The ABC Transfer brand is environmentally responsible. We endeavor to reduce our impact on the environment and contribute to the objective of carbon neutrality.

- The special assembly of the ABC Transfer single-use ported bag enables the recyclability of all its components.
- Furthermore, we have optimized the design to **reduce the quantity of plastics by 30%** versus conventional products.
- Because we believe, as a responsible Company, that more can be done, we compensate 100% of our CO₂ production. One tree is planted in a French forest, under controlled conditions, every time 10 ABC Transfer single-use ported bags are produced. When purchasing your ported bags from ABC Transfer, you therefore contribute to the fight against global warming. You can even contribute directly to the program by doubling the quantity of trees planted and help to make the whole project carbon-negative.



Compatible with conventional RTP brands and all the ABC Transfer Alpha port options

- ABC Transfer single-use ported bags are compatible with the special ABC Transfer double-wall isolator Alpha port and with the future automatic ABC Transfer Alpha port.
- ABC Transfer single-use ported bags are also compatible with conventional RTP brands.

A comprehensive range of handling accessories

- **Manufactured to the highest standard and compliant with GMP requirements**
These products are the result of years of drug manufacturing experience in cramped and heavy-duty cleanroom environments. They are designed to be as simple as possible to operate and to maintain.



AVAILABILITY	CONNECTOR		COVER MATERIAL	SEAL MATERIAL	BAG			STERILIZATION		
	Ø	MATERIAL			MATERIAL	VOLUME	DESIGN	GAMMA	STEAM	ETO
Q4 2022	105	PPO	PPO	LSR	PE / EVOH / PE	10L	SLEEVE / NO SLEEVE	Y	N	N
						20L				
						30L				
Q1 2022	190	PPO	PPO	LSR	PE / EVOH / PE	10L	SLEEVE / NO SLEEVE	Y	N	N
						20L				
						30L				
						50L				
						100L				
	150L									
	190	PPO	PPO	LSR	TYVEK	10L	DOUBLE OR SINGLE+ SLEEVE	N	Y	Y
						25L				
	190	PPO	PPO	LSR	TYVEK	30L	SINGLE+ SLEEVE	N	Y	Y
						50L				
80L										