



ARAMUS™ SINGLE-USE 2D BAG ASSEMBLIES

*High-grade, gamma-stable fluoropolymer film
providing higher purity and greater reliability*

Overview

The utilization of single-use systems continues to grow, and so does the concern about the purity levels of the SU components and their potential impact on high-value final products. From the high cost of losing product due to assembly failures at fill/finish, to the ever-increasing scrutiny from regulatory bodies, every angle requires protective measures.

Now, Entegris brings a new level of assurance to your process. With product design that incorporates the purity, integrity and performance standards of the microelectronics industry with the regulatory and quality requirements for life sciences, Entegris allows you to protect and store your high-value process solutions with reduced risk of product loss, contamination or compromised quality and efficacy.

The Aramus™ single-use 2D bags are made of a high-grade, gamma-stable fluoropolymer, providing higher purity, greater compatibility and increased safety for critical process fluids and final products. With a new single-layer technology that contains no curing agents, antioxidants, plasticizers or adhesives, the number of potential contaminants is greatly reduced. These assemblies offer the widest operating temperature range, making them more durable in frozen applications (to -85°C [-121°F] or lower) without negatively affecting the film.

Additionally, the fluoropolymer film offers universal material compatibility, reducing the risk of material and assembly failure. Aramus single-use assemblies are manufactured in an ISO® Class 5 cleanroom using methodologies that go beyond the standard. These assemblies allow for easier validation and provide high purity, performance, quality and safety for your process.



Applications

- Frozen product storage
- Downstream bioprocessing
- Final fill
- Process sampling and archiving

Features and Benefits

Features	Advantages	Benefits
Widest operating temperature range	More durable in frozen applications, including cryogenics*, whereas current solutions will not withstand those conditions.	Reduces assembly breakage and can be used in cold temperature applications to -85°C (-121°F) or lower without negative affect to bag or boat.
Universal material compatibility	Reduces risk of material failure. Increases the number of applications in which the product can be used.	Reduces risk of assembly failure and can be used with a wider range of process chemicals without negative affect to the material or product.
High-grade, gamma-stable fluoropolymer film	High-purity film that is gamma-stable.	Utilization of market-standard gamma sterilization, lower E&L, lower particulates.
Single-layer technology	Reduces the number of potential contaminants introduced to final product. No delamination.	Reduced risk of contamination.
Higher performance and quality	The nature of the fluoropolymer used makes it more durable in frozen applications.	Reduces risk of assembly failure or breakage, reduces product loss.
	Improved connection technology.	Reduces connection failure risk (an area of high failure rate).
Manufactured in an ISO Class 5 certified cleanroom	Low particulate levels.	Cleaner, safer product. Allows for easier validation.
Multiple connectivity options	Greater flexibility when incorporating into an already validated process.	Eliminates the need for process requalification and speeds time to market.

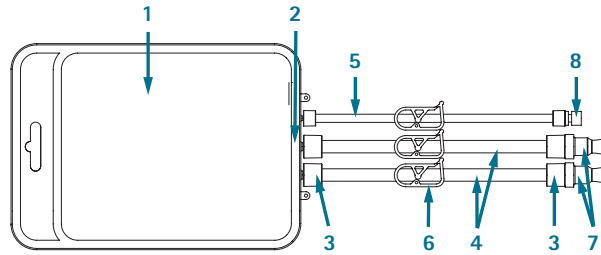
*Frozen conditions may require support while handling.

Specifications

	500 mL	1 L	2 L
Length:	225 mm (8.86")	300 mm (11.81")	360 mm (14.17")
Width:	160 mm (6.30")	180 mm (7.09")	250 mm (9.84")
Compliance:	ADCF - Animal Derived Component Free		
	USP Class VI tested		
	Exceeds USP <788> Particulate Matter in Injections specification		
Sterilization:	Gamma irradiation		

Note: Bag body dimensions listed.

Configuration



Description	
1	Aramus fluoropolymer film with slot for hanging
2	Fluoropolymer "boat" fitment with 3 hose barb ports
3	Tubing connection (BarbLock® or Oetiker Stepless® clamp)
4	Tubing 1/4" ID X 3/8" OD (platinum cured silicone or C-Flex® 374)
5	Tubing 1/8" ID X 1/4" OD (platinum cured silicone or C-Flex 374)
6	Pinch clamps
7	Tubing fittings 1/4" ID (Colder MPC male/female or Luer) with plugs
8	Tubing fittings 1/8" ID (Colder MPC male/female or Luer) with plugs

Note: Customization available upon request.

For More Information

Visit www.EntegrisLifeSciences.com/Aramus and select the Customer Service link for the Regional Customer Service Center nearest you. You'll learn how to reduce your validation time, lower your development costs and decrease your time to market.

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