

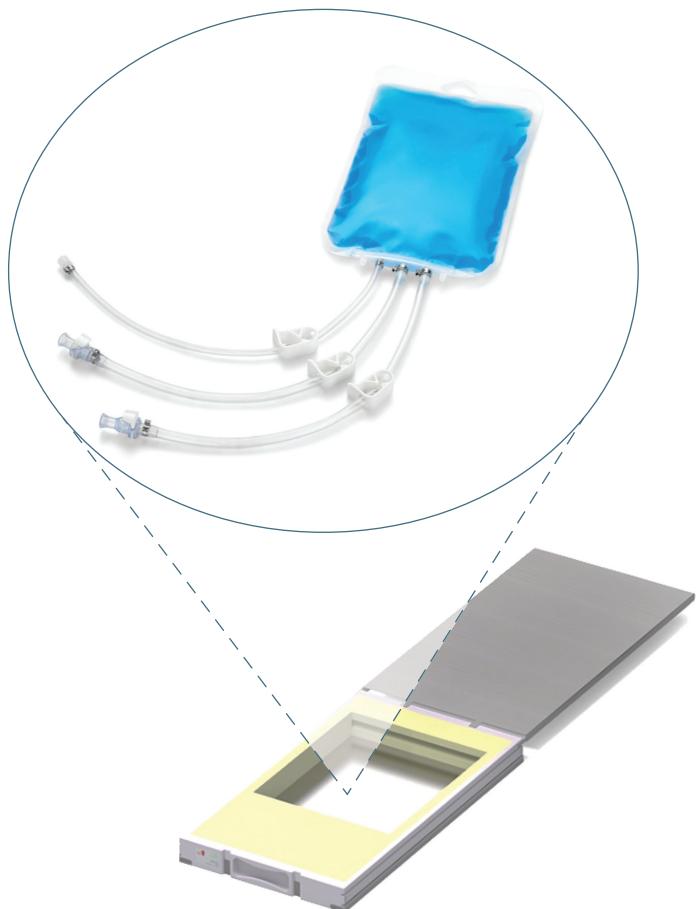
Freezing Shells

Provide added stability to Aramus™ single-use bag assemblies

Entegris offers flexible, disposable containment solutions for single-use biopharmaceutical applications. These solutions allow you to protect and store your high-value process solutions with reduced risk of product loss, contamination, and compromised quality. Expanding our portfolio further, we offer freezing shells for use with Aramus single-use bag assemblies.

FREEZING SHELL

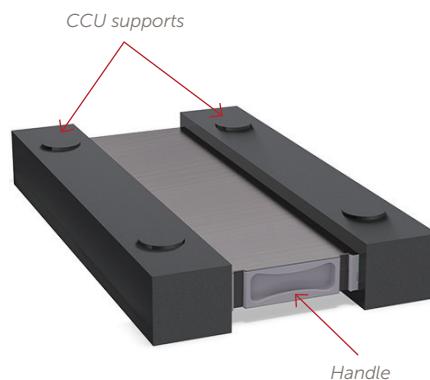
Made from high-quality stainless steel and heavy-duty plastic material, the freezing shells provide greater bulk drug substance (BDS) protection during handling, more consistent freezing/thawing, and reduced storage density. The robust, tamper-evident construction reduces tension in the structure of the single-use bag and offers shock absorbent protection.



Freezing shell protects filled Aramus bag assembly.

CRYO CONTROL UNIT SUPPORTS

Cryo control unit (CCU) supports are available for use with the freezing shells. The CCU facilitates controlled freezing in standard static or blast freezers.



APPLICATIONS

- Bulk drug storage and shipment
- Protection and storage of high value intermediates
- Bulk product fill
- Dry ice transport

FEATURES & BENEFITS

Stainless steel top and bottom construction	Enables quick and uniform freezing and thawing Provides maximum durability and strength, protecting high-value process fluids from product loss
Robust, closed design	Provides tamper-evident protection of valuable BDS
High density design	Reduces required capacity, saving valuable freezer space
Adaptable to all 2D single-use bags	Allows users to keep their freeze/ship/thaw process, preventing process interruptions Accommodates partial fill volumes, increasing process flexibility
Soft, 3D foam inlays	Offers complete immobilization of single-use bag assemblies and dampening in case of vibration, further protecting sensitive compounds
Single use product	Provides convenient handling and is easy to recycle

SPECIFICATIONS

Aramus bag size	1 L	2 L	5 L	10 L	20 L
Maximum fill volume	0.9 L	1.7 L	3.6 L	7.2 L	13 L*
Freezing shell part number	SU-FS-0001-01	SU-FS-0002-01	SU-FS-0005-01	SU-FS-0010-01	SU-FS-0020-01
Freezing shell weight	4.31 kg (1.96 lbs)	6.23 kg (2.83 lbs)	9.79 kg (4.45 lbs)	13.49 kg (6.13 lbs)	19.21 kg (8.73 lbs)
Freezing shell dimensions	208 mm x 483 mm x 37 mm (8.2" x 13.7" x 1.5")	288 mm x 533 mm x 37 mm (11.3" x 21" x 1.5")	358 mm x 643 mm x 52 mm (14.1" x 25.3" x 2.0")	408 mm x 703 mm x 70 mm (16" x 27.7" x 2.0")	503 mm x 883 mm x 70 mm (19.8" x 34.8" x 2.0")

Contact Entegris technical support if you have questions regarding this information, and to confirm you have the most up-to-date version.

*Final testing is in progress. Please contact Entegris to determine the optimal fill volume for your specific application.

Entegris also offers a range of cryo cassettes for volumes <1L, see our cassettes datasheet for information.

ORDERING INFORMATION

Freezing Shell

Part number	Compatible Aramus bag assembly
SU-FS-0001-01	1 L
SU-FS-0002-01	2 L
SU-FS-0005-01	5 L
SU-FS-0010-01	10 L
SU-FS-0020-01	20 L

Freezing Kits*

Part number	Compatible Aramus bag assembly
SU-FK-0001-01	1 L
SU-FK-0002-01	2 L
SU-FK-0005-01	5 L
SU-FK-0010-01	10 L
SU-FK-0020-01	20 L

*Kits comprise a freezing shell and CCU for that specific volume.

Cryo Control Unit (CCU)

Part number	Compatible Aramus bag assembly	Quantity
SU-CC-0001-01	1 L	2
SU-CC-0002-01	2 L	2
SU-CC-0005-01	5 L	2
SU-CC-0010-01	10 L	2
SU-CC-0020-01	20 L	2

FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit entegris.com and select the [Contact Us](#) link to find the customer service center nearest you.

TERMS AND CONDITIONS OF SALE

All purchases are subject to Entegris' Terms and Conditions of Sale. To view and print this information, visit entegris.com and select the [Terms & Conditions](#) link in the footer.



Corporate Headquarters
129 Concord Road
Billerica, MA 01821
USA

Customer Service
Tel +1 952 556 4181
Fax +1 952 556 8022
Toll Free 800 394 4083

Entegris®, the Entegris Rings Design®, and other product names are trademarks of Entegris, Inc. as listed on [entegris.com/trademarks](#). All third-party product names, logos, and company names are trademarks or registered trademarks of their respective owners. Use of them does not imply any affiliation, sponsorship, or endorsement by the trademark owner.

©2020 Entegris, Inc. | All rights reserved. | Printed in the USA | 3750-11092ENT-0620