

a **DESTACO** company

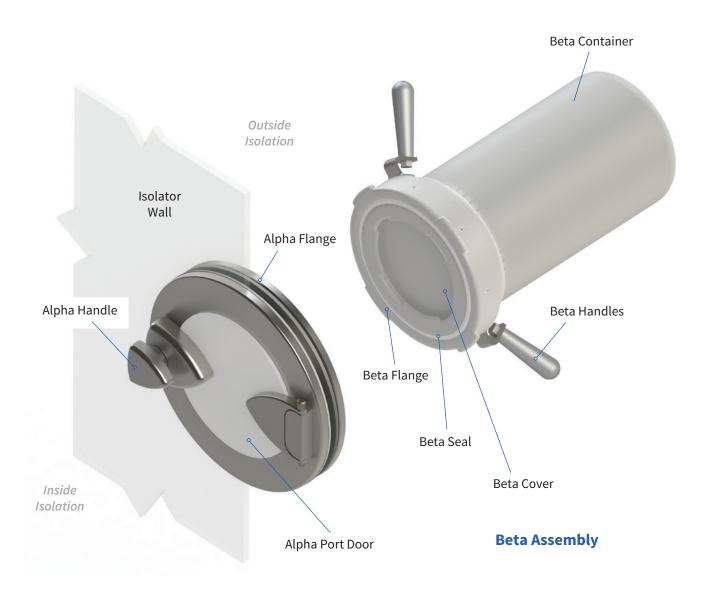




Transfer Systems

For safe and contained transfer of product or components into or out of isolation

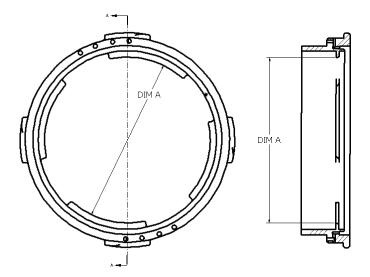
CRL Transfer Systems provide safe, contained transfer into or out of isolation; consisting of two main components, the Alpha assembly and the Beta assembly. The Alpha assembly is normally mounted to the cell wall of a contained environment and the Beta assembly is mobile and connected to a container, bag, or process component. When the two assemblies are mated, toxic or sterile materials can be rapidly transferred in and out of isolation without breaking containment, while maintaining the safety of the product and/or operators.



Alpha Assembly

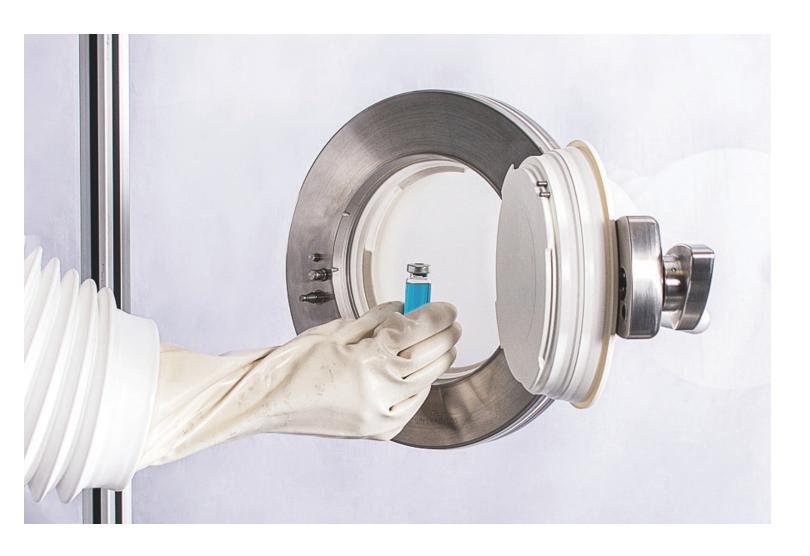
Working Diameters

The following table provides the largest diameter of an object that can be passed through the Alpha and Beta container for the different size containers.



Beta Size	Material	Dimension A ([in.] mm)	
105	Polypropylene	[3.68] 93.47	
105 mm	Stainless Steel	[3.00] 93.41	
190 mm	Polypropylene	[6 70] 170 19	
190 mm	Stainless Steel	[6.70] 170.18	
	Polypropylene	[0.04] 240.02	
270 mm	Stainless Steel	[9.84] 249.93	
	Ultem°	[9.00] 228.60	

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Clean Rapid Transfer Ports (CRTP)

For rapid and repeatable transfer

Designed for ease of cleaning and minimized glove issues due to new, improved handle design

- Rapid repeatable transfers without breaking containment
- Mechanical interlocks to prevent improper port operation
- 316L Stainless Steel with multiple door options available
- Available in 105, 190, 270, 350 sizes



ltem	Size	Description
CRL-CRTP-105-SS	105	Alpha Flange Assembly - Stainless Steel Flange & Port Door with Interlocks
CRL-CRTP-105-PP	105	Alpha Flange Assembly - Stainless Steel Flange & Polypropylene Port Door with Interlocks
CRL-CRTP-190-SS	190	Alpha Flange Assembly - Stainless Steel Flange & Port Door with Interlocks
CRL-CRTP-190-PP		Alpha Flange Assembly - Stainless Steel Flange & Polypropylene Port Door with Interlocks
CRL-CRTP-270-SS	270	Alpha Flange Assembly - Stainless Steel Flange & Port Door with Interlocks
CRL-CRTP-270-PP	270	Alpha Flange Assembly - Stainless Steel Flange & Polypropylene Port Door with Interlocks
CRL-CRTP-350-SS	250	Alpha Flange Assembly - Stainless Steel Flange & Port Door with Interlocks
CRL-CRTP-350-PP	350	Alpha Flange Assembly - Stainless Steel Flange & Polypropylene Port Door with Interlocks

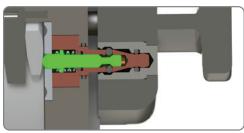




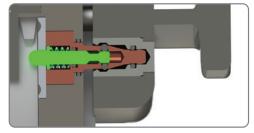


Polypropylene Door (PP)

Interlock System



Port door interlock (shown in unlocked position), Beta assembly docked.



Port door interlock (shown in locked position), Beta assembly not docked.

SINGLE-USE TECHNOLOGY

Single-Use Beta Bags

The CRL Single-Use Beta Bag is a safe, efficient, and cost-effective solution for aseptic production. This single-use technology provides contamination-free transfer of sterile components into isolation or removal of toxic components out of isolation. Used in conjunction with Alpha port systems, sealed containment and sterility of the environment are maintained.

The Single-Use Beta Bag system consists of Tyvek® and high-density polyethylene (HDPE) bag layers connected to a Beta flange which mates the entire assembly to the Alpha port on an isolator. Once filled with components, these bags can be autoclaved and connected for filling line production.

Tested to be compatible with CRL or DPTE® XS Alpha ports

- Autoclavable and gamma-sterilizable versions available
- Removable, reusable handle system (required for use)
- Inventory stocked to keep supply levels consistently available, eliminating long lead times



Item	Size	Description
CRL-49211	190	Single-Use Single Layer Clean Beta Bag (for DPTE® XS Alpha Port) - Autoclave
CRL-49209	190	Single-Use Single Layer Clean Beta Bag (for CRL Alpha Port) - Autoclave
CRL-50992	190	Single-Use Single Layer Clean Beta Bag (for DPTE® XS Alpha Port) - Gamma
CRL-50991	190	Single-Use Single Layer Clean Beta Bag (for CRL Alpha Port) - Gamma
CRL-49500	190	Removable Handle System
CRL-41115	190	Beta Cover Wrench





Standard Beta Containers

For safe and contained transport or storage of product, components, samples, and waste

- Gas tight design
- Multiple materials, sizes and lengths available



Item Beta Canister Assembly (P	Size olypropylene)	Inquire for Length	
CRL-41204	105	Characterist Courterin	
CRL-41278	190	Standard & Custom Lengths Available	
CRL-41180	270		
CRL-41181	350		
Beta Canister Assembly (S	tainless Steel)		
CRL-41599	105		
CRL-41599-16.00	105	Standard & Custom	
CRL-41249	190	Lengths Available	
CRL-41598	270		

Note: Please contact CRL for custom container lengths and specific overall dimensions.

Beta Flange Wrench

For use to install or remove the Beta cover from the beta flange when the container is not mated to the Alpha flange

Available for use with all standard CRL Beta containers



Item	Size	Description
CRL-41114	105	
CRL-41115	190	Beta Cover Wrench
CRL-41116	270	

Beta Flange with Tri-Clamp Fitting

For connection of large tanks and process equipment to isolation

- Charging of formulation tanks and reactors
- Discharging from dryers
- Charging of a mill



Item	Size	Description
CRL-45086		Beta Flange Assembly - 3 inch Triclover (Stainless Steel)
CRL-41030	105	Beta Flange Assembly - 4 inch Tri-clover (Stainless Steel)
CRL-47296		Beta Flange Assembly - 4 inch Triclover (Polypropylene)
CRL-46045		Beta Flange Assembly - 4 inch Tri-clover (Stainless Steel)
CRL-41019	190	Beta Flange Assembly - 6 inch Tri-clover (Polypropylene)
CRL-43526		Beta Flange Assembly - 8 inch Triclover (Polypropylene)
CRL-44197		Beta Flange Assembly - 8 inch Triclover (Stainless Steel)
CRL-41911		Beta Flange Assembly - 8 inch Tri-clover (Stainless Steel)
CRL-43971	270	Beta Flange Assembly - 10 inch Triclover (Stainless Steel)
CRL-46765		Beta Flange Assembly - 10 inch Triclover (Polypropylene)

Inside Funnel Assembly

For protection of seal surface during transfer of materials or tools

• Mounts into the Alpha port from inside the isolator



Item	Size	Description	
CRL-43169	105	Inside Funnel Assembly (Stainless Steel)	
CRL-41261	190	Inside Funnel Assembly (Polypropylene)	
CRL-41212	270	Inside Funnel Assembly (Polypropylene)	

Inside Bagging Ring Assembly

For improved low OEL performance in powder-through-port applications

- Typically, a flexible chute is attached to allow for the transfer of powder into containers or through to another process vessel
- Mounts into the Alpha port from inside the isolator



	Description
CRL-41259 190 Bagg	ging Ring Assembly - Inside Mount (Polypropylene)

Alpha Sterilizing Cover

For sterilization of the entire alpha port door, seal, and flange surface (by a VHP process, for example)

• Containment is maintained while port door is open during sterilization process



Item	Size	Description
CRTP		
CRL-CRTP-105-SC	105	
CRL-CRTP-190-SC	190	CRTP Sterilization Cover Assembly
CRL-CRTP-270-SC	270	(Polypropylene)
CRL-CRTP-350-SC	350	
Legacy RTP		
CRL-44357	105	
CRL-44360	190	
CRL-43402	270	RTP Sterilization Cover Assembly (Polypropylene)
CRL-43401	350	(15,5,15,10,10)
CRL-43789	460	

Beta Bag Flange Assembly

For product and component transfer into or out of isolation in potent applications

- Beta Bag Flange used with disposable bags
- Safe transfer of products, components or tools into or out of toxic containment



Item	Size	Description
CRL-41032	105	Beta Bagging Flange Assembly - One Rib (Polypropylene)
CRL-42657	105	Beta Bagging Flange Assembly - Two Rib (Polypropylene)
CRL-41021	190	Beta Bagging Flange Assembly - One Rib (Polypropylene)
CRL-41022	190	Beta Bagging Flange Assembly - Two Rib (Polypropylene)
CRL-41000		Beta Bagging Flange Assembly - One Rib (Polypropylene)
CRL-41001	270	Beta Bagging Flange Assembly - Two Rib (Polypropylene)
CRL-44198		Beta Bagging Flange Assembly (Ultem*)
CRL-41038		Beta Bagging Flange Assembly - Two Rib (Polypropylene)
CRL-41037	350	Beta Bagging Flange Assembly - One Rib (Polypropylene)
CRL-44311		Beta Bagging Flange Assembly (Ultem*)

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Autoclaveable Beta Containers

For moist heat sterilization of tools and components for aseptic transfer into isolation

- For use with 1.5 in. Tri-Clamp vent port with 0.2 μ m filter and housing
- Available in 316L Stainless Steel and anodized Aluminum
- Stainless Steel perforated baskets available to ease unloading and improve sterilization process



Item	Size	Length ([in.] mm)
Aluminum		
CRL-44356-8.00	105	[8.00] 203.2
CRL-44359-15.75	190	[15.75] 400
CRL-41201-16.00	270	[16.00] 406.4
CRL-41580-16.00	350	[16.00] 406.4
CRL-41580-24.00	350	[24.00] 609.6
Stainless Steel		
CRL-41253-8.00	105	[8.00] 203.2
CRL-42070-16.00	190	[16.00] 406.4
CRL-41582-15.75	270	[15.75] 400
CRL-41581-16.00	350	[16.00] 406.4

Hydophobic Filter & Housing with Clamp

CRL-48289 - Housing w/ Filter Cartridge & Clamp **CRL-95860** - Filter Cartridge (requires housing)

Note: The lengths shown are only for the container and do not include the additional length added by the bottom container support legs. Please contact CRL for custom container lengths and specific overall dimensions.

Beta Couplers

For interconnection of isolators or specialty equipment to a fixed Alpha flange on another isolator

• For temporary connection of two process isolators



Available Sizes:			
105	190	270	350



Customer Service/Support

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