

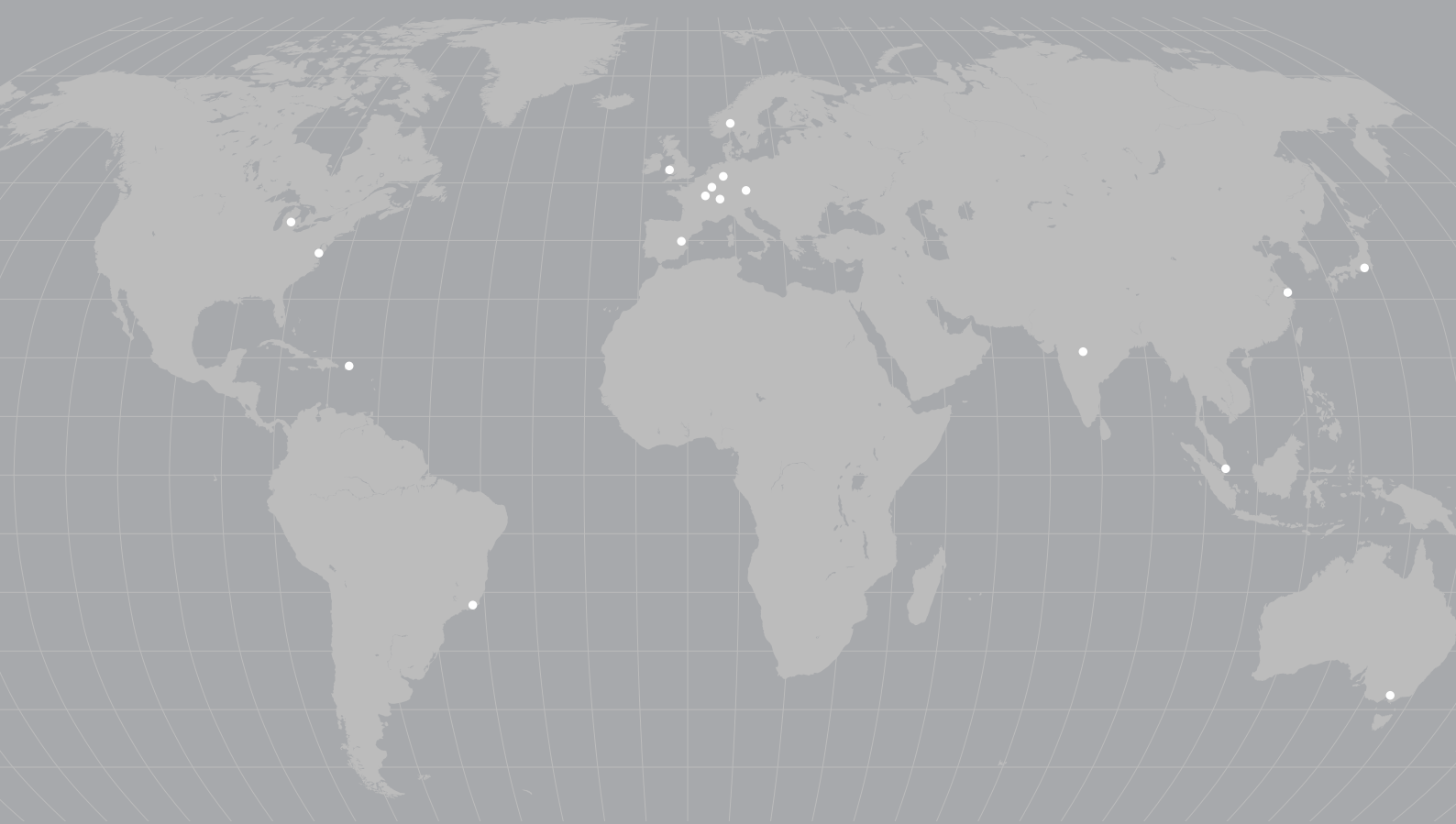


**ChargeBag®**

**ChargeBottle®**

Containers for safe powder handling





ChargePoint® Technology are market leaders in the supply of containment valves and integrated material handling equipment for the Pharmaceutical, Chemical, FMCG and other process based industries.









Our most important goals are to create lasting partnerships by providing high quality and reliable products, coupled with outstanding customer service.

As a pioneer of split valve technology our consultative approach will provide the right technological solution, as well as delivering the lowest cost of ownership benefits by maximising yield, reliability, productivity and flexibility.

The range of ChargeBag® and ChargeBottle® containers are specifically designed to facilitate the simple transfer of product from process to process.

## Applications

ChargeBag® and ChargeBottle® containers are used extensively throughout the Pharmaceutical, Biotech, Chemical and FMCG industries.

-  Bulk Powders
-  Granulates
-  Tablets/Capsules
-  API
-  Buffer Media
-  Seed
-  Components (e.g. vial stoppers)
-  Sterile Processing



# ChargeBag®

The ChargeBag® is manufactured under cleanroom conditions using an FDA approved high performance LDPE, ArmorFlex® 114, from ILC Dover.

Each ChargeBag® is packed within a sealed sleeve and gamma irradiated to meet sterile processing requirements. The robust construction and monolayer 250 micron film ensure reliability at all times.

A permanent antistat in the film assists poorly flowing materials to maximise the recovery of product from each transfer.

## Documentation

Contact your local representative or visit our website [www.thechargepoint.com](http://www.thechargepoint.com) for the comprehensive material data book

## Relevant ArmorFlex® 114 Compliance

- Compliant to Commission Directive 2002/72/EC and its amendments for plastic materials that come into contact with foodstuffs.
- Compliant to relevant sections of United States FDA 21CFR
- DMF on file with the FDA
- Passed all tests of EP 3.1.3
- Passed testing of USP <87> and <88> (USP Class VI)
- No animal derived ingredients
- Meets European Directive 94/62/EC and CONEG (heavy metals)
- Resistant to most common solvents (see data book for list)
- REACH compliant

## Sterile processing

*Each ChargeBag® is packed within a sealed sleeve and gamma irradiated to ensure levels of integrity are maintained until use. This sleeve is easy to tear manually so no cutting tools are required.*

## Trouble free transfers

*The crevice free design and anti static materials ensure a free flowing transfer. The transparent materials of construction allow operators to see how material is transferring. In addition the robust yet flexible liner allows physical manipulation of difficult to handle product, thus maximising the yield from each transfer.*





### Traceability

Each ChargeBag® is clearly labelled with the lot number, expiration date and specification detail.



### Easy to handle

Each ChargeBag® is reinforced with a polypropylene handle making for safe yet easy manual handling or attaching to lifting hoists.



### Reduce cleaning times

Designed as a single use item, the ChargeBag® can be disposed of after each use, which eliminates the time, expense, validation and ultimately process downtime often associated with cleaning rigid containers.



### Seamless connection

The ChargeBag® can be connected to a Split Butterfly Valve or other transfer device via the hygienic tri-clamp fitting. This FDA compliant flange is thermally welded to the liner to create a smooth connection for minimum product hold up.

### Range Table

Volume (litres)	Connection size		
	50mm (2")	100mm (4")	150mm(6")
10	●	●	●
15		●	●
25		●	●
40		●	●

## Accessories

### ChargeBag® Clip

The ChargeBag® Clip can be utilised in conjunction with a ChargeBag® or with



### Tri-Clamp Cap

The Tri-Clamp Cap provides a seal to prevent contamination of containers prior to or after use.



### Tri-Clamp Transition

The transition is used to adapt the ChargeBag® to a smaller connection size.



# ChargeBottle®



## Maximising product flow and yield

Each ChargeBottle® is profiled with the optimal cone shape to ensure good flow. Utilising a translucent polypropylene ChargeBottle® allows for visual confirmation of complete product charge. When handling difficult products, additional means can be provided either with a Vibratory Collar or by utilising a Pressure Rated ChargeBottle® with flushing capability.

## Easy to handle

The standard ChargeBottle® is manufactured from a lightweight polypropylene to aid manual handling. When handling larger containers, a ChargeBottle® Handle Clamp can be utilised for safer operation. When the process or weight does not permit manual handling then a pneumatically powered mobile or stationary ChargeBottle® Hoist can be installed.



## Polypropylene

Volume (litres)	Connection Size		
	50mm (2")	100mm (4")	150mm (6")
0.5	●		
1	●	●	
2	●	●	
4	●	●	
10		●	
22			●
23		●	

## Stainless Steel (Non-Pressure Rated)

Volume (litres)	Connection Size		
	50mm (2")	100mm (4")	150mm (6")
1	●		
2	●	●	
5	●	●	
10	●	●	●
20		●	●



## Pressure Rated ChargeBottle®

The Pressure Rated ChargeBottle® can be supplied for pressure charging and flushing capability. The base of the vessel is profiled with a dome to minimize product hold-up and assists with the flushing of product out of the vessel.

Please contact us for more details and the full range of sizes and options available.



## Cleaning & washing

Prior to a validated cleaning procedure the contaminated internal surfaces of the ChargeBottle® can be washed in place when attached to a ChargePoint® valve using the WIP Lance. Alternatively if washing within the process is not permitted a remote ChargeBottle® Wash Station can be used.

### Bottle Wash Station

The ChargeBottle® Wash Station utilises a WIP Lance which can either be manually raised/ lowered or pneumatically actuated, operated from a local operator control panel. This washing operation is completed without breaking the containment seal of the valve/container.

### Autoclave

For complete validated cleaning, ChargeBottle® containers of a suitable material can be cleaned within an autoclave.



## Accessories

### Bottle Hoists & Platforms

Simple mobile bottle hoists and specialised discharge stations, incorporating weigh platforms and pneumatic raise/lower docking arrangement can be provided to suit various discharging applications. Equally mobile and fixed hoists can also be provided for charging applications.



### Bottle Handle Clamp

The stainless steel clamp is connected to a container for safer manual handling via the ergonomic hand grips. Clamping the band to a container is simply achieved by an over centre latch, which allows for easy installation and removal for transfer between multiple containers.



### Vibratory Collar

Pneumatically powered, this removable vibratory clamp is fitted to containers to assist with discharge of powder product with inherent poor flow characteristics.





ChargeBag®

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