

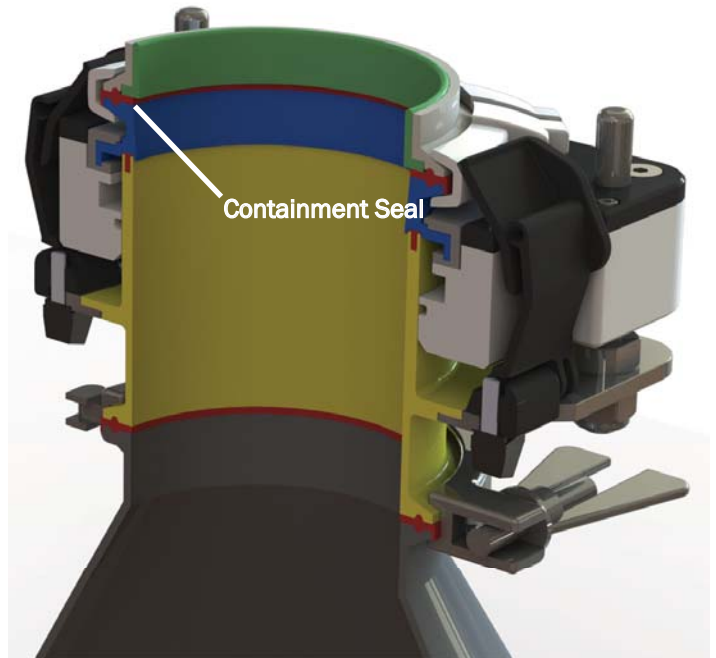
Product Description

The CSV4 is a fully contained system for the safe and effective transfer of hazardous and toxic media. It is available in a range of sizes, can easily be adapted to most applications and is highly cost effective.

Sample Applications

- Reactor Vessel Charging
- Process Vessel Charging
- Dispensary/Isolator Discharge
- High Shear Mixer Granulator Additions
- Mill & Sieve Applications
- IBC Additions (API & Lubricants etc)
- Small Scale Handling Processes (Clinical & Stability Trial Batches)
- Centrifuge Chutes
- Tableting & Tablet Coating
- Through Floor Feeders
- Charge Bag & Bottle Applications
- Tray Dryer Transfer
- IBC Filling Head & Discharge Station

Why is it Different?



Spigot seals against passive valve to create containment

PRODUCT ADVANTAGES

- Very cost effective
- User friendly
- Minimal maintenance
- No Flow Restriction - Full Bore
- Achieves containment levels (<math><1\mu\text{g}/\text{m}^3</math>)
- No site services required to achieve containment
- Eliminates waste treatment of cleaning solutions
- Light weight
- Reduces manual handling issues
- Maximum yield
- Offers secondary containment
- Short lead time
- Can be supplied as a manual system throughout the size range (2", 4", 6", 8", 10" & 12" nominal bore)
- Compact suitable for all applications
- Not possible to separate when partly open (unlike split valve technology)
- Can be used as a Transfer Port - RTP
- Bespoke designs possible - square & rectangle section



Chargebag with Passive Valve locks in to Active half and secured by integrated mechanical interlock

The Transfer Process



1
The Chargebag with Passive Valve attached (cannot be opened independently). The Choke Clip or Butterfly Valve is used to prevent product from flowing and contacting Passive Valve slide plate.



2
Active half of the CSV System ready for the Passive to be docked in place.



3
The Chargebag with Passive Valve locks in to Active half and secured by integrated mechanical interlock.



4
Active Slider is retracted opening Passive and Active sliders at the same time.



5
Active half lowered over integrated Spigot sealing against Passive Valve creating full containment.



6
Choke Clip is removed allowing product to flow. The process is followed in reverse to achieve a clean and contained disconnect.