

Pass-Through Technology

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What is Pass-Through Technology?

Pass-through systems are portal systems offering the ability to transfer fluid from different clean rooms or non-clean rooms under aseptic means. It is comprised of stainless-steel components and uses single-use tubing configurations of various sizes and materials.



How does it work?

The purpose of pass-through technology is to prevent air and particle migration between spaces.

Using compressed air (CCA) in the portal creates a positive pressure differential. The silicone isolator disks create the seal on either end as they are clamped flush on the portal flange.

After transfer, the portal can be capped off until the next use.

Single-Use Assemblies

Assemblies are made with a silicone isolator disk and end user choice of tubing or hose sizes and materials. Both silicone and TPE can be incorporated with user validated components, such as filters, connectors, and sensors.

Identifiers, such as labels, are also available for the hose.

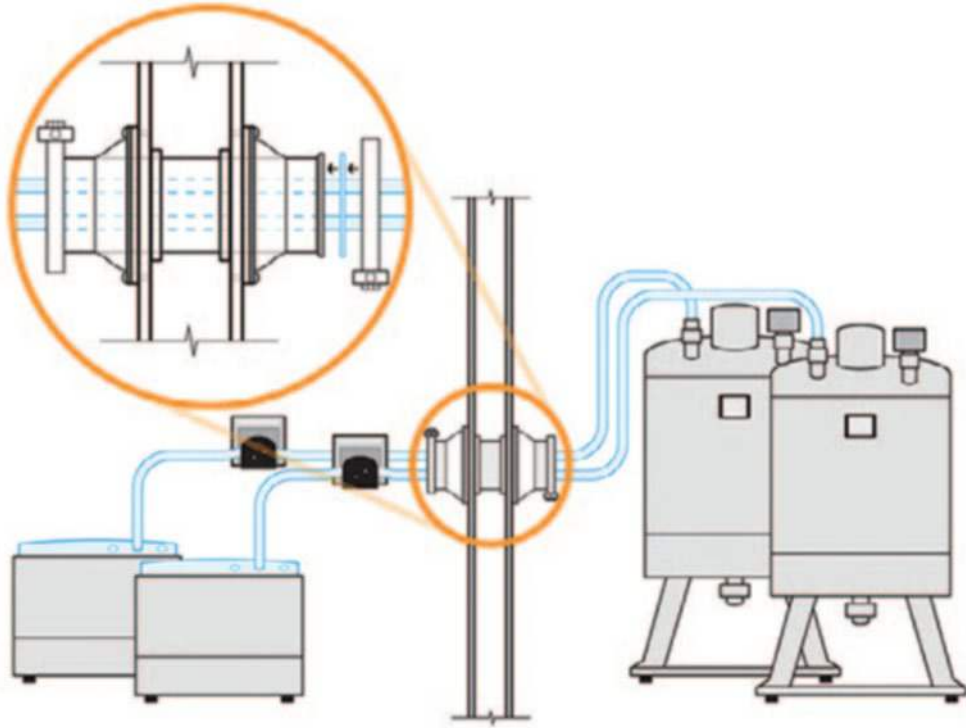
Features & Benefits



- Ease of Use – limited maintenance, simple parts
- Flexible Design – various sizes and tubing configurations
- Integrity Tested – using bubble emission to ensure isolator has sealed
- Increase Processing Volume – accommodates multiple fluid paths in one portal

Applications

- Continuous processing
- Media and buffer prep
- Upstream / downstream turnover
- Storage tank transfer
- Scale up or scale out development



Portal Sizes

- 4" (10.16 cm) for smaller scale fluid transfer
- 6" (15.24 cm) for flexibility of design and easier component accommodation
- 8" (20.32 cm) for faster filling large bore tubing or many fluid paths
- Wall thickness will vary based on clean room construction
 - Standard Wall Thickness for 4" and 6"
 - 1.55" (3.94 cm) to 4" (10.16 cm)
 - 4" to 6" (10.16 cm to 15.24 cm)
 - 6" to 8" (15.24 cm to 20.32 cm)
 - Custom lengths are available
- 8" is custom designed for the customer

Information Available

1. Pass-through Technology Brochure
2. Installation Guide v2.1
3. Users' Manual v2.0
4. Video -

<https://www.youtube.com/watch?v=cqCkdfU2E18>

Questions?