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AT-Port system



Safe liquid transfer Between containment areas

The AT-Port System was developed by Aseptic Technologies to allow safe and easy transfer of liquid products across the wall between two areas with different containment classifications. It is suitable for aseptic transfer, but also for safe transfer to highly contaminated environments. The AT-Port and Single Use System (SUS) can be used either to transfer product from traditional vessels or as part of a fully disposable fluid handling system.

Concept & process steps

The AT-Port System is based on the Alpha-Beta concept, and is made of a Port and a Connector SUS.











Step 1 — Connect the Connector SUS (1) to the bulk container. Insert and lock the SUS into the external port located on the wall between the ISO8

and ISO5 areas.

Step 2 — From the ISO5 chamber, secure the Connector cover within the internal port (2). Rotate to open the Beta part.

Step 3 — With the Connector cover enclosed in the Beta part (3), the connecting tube is uncovered in the ISO5 chamber.

Step 4 — Make an aseptic connection to the connecting tube (4) in the ISO5 chamber. Begin liquid transfer immediately.

Key features

- → Integrity: no sterility or toxicity breach; ensures grade A continuity for aseptic processes;
- \longrightarrow Fast operation: aseptic connection is performed in few seconds;
- \longrightarrow Multiple uses: the same Connector SUS affords up to 5 connections/ disconnections;
- $\longrightarrow \quad \text{Safety: Beta part cannot be open without Connector SUS locked in place; the Connector SUS cannot be removed when the Beta part is not closed.}$
- \longrightarrow Quality: 100% air leak test of the Connector SUS.

System components

 \longrightarrow **Connector Port**, made of an Alpha part and a Beta part.



- For installation on stainless steel wall:
- Minimum wall thickness: 2 mm
- Maximum wall thickness: 6 mm

Designed to meet cGMP requirements. IQ/OQ protocols provided.

Alpha part	Materials Stainless steel AISI 316L	Dimensions Diameter: 159 mm Thickness: 24 mm
Beta part	Stainless steel AISI 316L, PEEK	Length with straight arm: 200 mm Radius when arm claimed: 110mm

AT-Connector SUS*, sterilized by gamma-irradiation.



Validated for up to 5 openings / closings.

Tube connection:

- 3/8" house bard connection on external side;
- 3/8"(possibly 5/16") tube connection on inner side.

AT-Connect SUS, sterilized by gamma-irradiation.



Sterile internal tubing of small diameter terminated by a luer lock only exposed in the containment.

gs /	Materials	Dimensions
tion ube	External and contact parts (when applicable) made of PBT Celanex grade 2402. Animal free.	Size of assembled Connector SUS: Length: 72 mm Diameter: 55 mm
n. mall luer the	External and contact parts: Polybutylene terephthalate (PBT), C-Flex® tubing, Polyvinylidene fluoride (PVDF)/Kynar® Animal free.	900mm C-Flex® I.D. 3.2. O.D. 6.4 tubing

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