



The Alpha port that is operated from outside the isolator

- ★ Docking process without operator entry into the isolator
- ★ Sterile component introduction in the isolator without using the isolator gloves
- ★ La Calhene alpha port
- ★ Custom funnel to fit the application
- ★ Horizontal, vertical, right hand or left hand orientation

SYSTEM DESCRIPTION

The Alpha XT system is a proprietary Alpha port that allows docking the beta flange and opening the alpha door without the gloved entry of the operator into the isolator chamber.

FEATURES

- ★ Operation solely from the non-sterile (*operator*) side
- ★ Built on La Calhene's 190 alpha port but adaptable to any other alpha port manufacturer
- ★ Modifications to the alpha port have no impact on the port's door interlock functionality
- ★ Separate actuators for the door locking, door opening and funnel positioning functions
- ★ Positive position lock of the alpha door in the open position
- ★ Positive position lock of the funnel in the engaged and the disengaged position
- ★ Clean aseptic zone design that is compatible with wash down operations and VHP decontamination
- ★ Leak tight construction
- ★ Modular design is easily incorporated in new isolator systems or retrofitted into existing installations

SPECIFICATIONS

- ★ Nominal port size: 190mm, 270mm, 350mm
- ★ Adaptable to La Calhene and CRL alpha ports
- ★ Alpha/Beta door interlock functionality: unaffected
- ★ Alpha door positive lock in the open position
- ★ Alpha door rotation: 90 degrees or as required by the application
- ★ Funnel rotation: 90 degrees or as required by the application
- ★ Funnel configuration: As required by the application
- ★ Configurable for right hand and left hand operation
- ★ Operable from vertical to 45 degree inclination
- ★ Compatible with wash down operations
- ★ Compatible with VHP decontamination
- ★ Leak tightness: Ammonia leak test at 250 pascal isolator chamber internal pressure

ADVANTAGES & APPLICATIONS



Alpha XT Advantages

- ★ All docking operations are conducted from the operator side of the isolator
- ★ Manipulation of the delivery funnel is conducted from the operator side of the isolator
- ★ Funnel is precisely positioned concentric to the alpha port's inside diameter

Alpha XT Applications

- ★ Transfer of sterile components from a BetaBag directly into the vibratory bowl of the filling line.
- ★ Transfer of sterile components from a tank directly into the vibratory bowl of the filling line.
See Beta NR-HP system for details.
- ★ Transfer of sterile components through the bulkhead of a class 100 suite.

Beta NR-HP Application

- ★ The Alpha XT permits docking a tank containing cleaned and sterilized stoppers and featuring a beta flange. To facilitate the docking process, the tank could include DDP's Beta NR-HP flange which, by virtue of its NR flange incorporating DDP's proprietary NR Technology, permits rotation of the beta flange without rotation of the tank.

Retrofit of existing systems

- ★ The Alpha XT's modular design and flexibility in configuration make it conducive to the retrofit of the component introduction system of existing filling lines to achieve the elimination of operator entry into the isolator chamber during transfer operations.



BETA NR-HP

SYSTEM DESCRIPTION

The Beta NR-HP flange is a beta flange that is configured to dock to a stationary alpha flange, such as one found on an isolator system. The Beta NR-HP incorporates Dynamic Design Pharma's NR Technology that permits the leak tight rotation of the beta flange relative to its mount. The Beta NR-HP also includes features that, with the addition of an external pressure clamp, permits steam sterilization of the flange while attached to the system being docked.

FEATURES

- ★ The Beta NR-HP is attached to a stopper tank via a triclover clamp connection.
- ★ The beta flange is either a standard Getinge-La Calhene or CRL flange.
- ★ The beta flange is mounted onto a NR flange that is based on DDP's proprietary NR Technology.
- ★ Handles attached to the NR flange permit rotation of the beta flange during the docking process.
- ★ A floating plate that is part of the NR Flange compresses two seals together when an external pressure clamp is installed. The flange is then capable of withstanding the pressure generated by steam sterilization of the internal volume of the system.

ADVANTAGES & APPLICATIONS

Transfer of sterile components, such as stoppers, from a tank to the filling machine. Used in conjunction with a isolator wall mounted alpha flange or Alpha XT.

