



An Ingersoll Rand Business



FAST, RELIABLE CONNECTIONS

DoverDoQ™ Contained Potent Powder Transfer

DoverDoQ™ is a semi-automatic connection system for transferring powders from a range of containers while maintaining high containment during transfers, even over multiple connections. The secure connection ensures operators are protected from exposure during powder transfer and mitigates the risk of contamination entering the process.

The DoverDoQ™ is adaptable to a broad range of processes, and its design options align with cGMP Guidelines. Powder transfers are streamlined with this semi-automatic system, which allows a single operator to quickly transfer powders through an open port without valve interruption, saving time and reducing retained powder.

Engineered for Confident Contained Transfer

DoverDoQ™ is designed to solve critical challenges at the liner-to-process interface, providing a secure, automated connection for flexible liners in pharmaceutical and chemical applications. Designed to achieve results close to 1 µg/m³, it supports processes where high containment, operational reliability, and efficiency are critical.



Why Choose DoverDoQ™?

DoverDoQ™ is an efficient process connection that works with single use technology for powder transfers. The performance benefits of single use technology is proven to be lower cost, less downtime by eliminating cleaning, better powder flow control, and supports sustainability.

The system maintains closed powder transfers achieving containment while also assuring protection from harmful contamination.

✓ Qualified Containment by Design

Supports validated processes with measurable containment performance, helping manufacturers meet the demands of pharma and chemical processing environments.

✓ Reliable, Repeatable Connections

Creates a secure mechanical interface that helps reduce process variability, minimize manual handling, and limit the risk of unintended operator exposure.

✓ Efficient One-Person Operation

Designed to streamline connection and disconnection workflows, enabling a single operator to safely and efficiently manage the transfer process.

✓ Improved Operator Safety

Reduces hands-on interaction during critical transfer steps, helping minimize exposure risks and human error in high-potency powder applications.

✓ Broad Liner Compatibility

Designed for broad compatibility, DoverDoQ™ works with liners from multiple vendors, including a range of FIBC and drum liners across various diameters and materials. It also integrates with ILC Dover solutions such as DoverPac® and D100.

✓ Designed for Rated Areas

Engineered for use in rated and potentially hazardous environments, DoverDoQ™ supports safe, dependable powder transfer where controlled operation and equipment reliability are critical.

✓ Proven ILC Dover Expertise

Developed by ILC Dover's Engineering Center of Excellence in Switzerland and backed by decades of precision engineering, containment experience, and customer support.



How DoverDoQ™ Works

DoverDoQ™ creates a secure, engineered interface between a flexible liner and the process equipment, helping maintain containment through connection, transfer, and disconnection. With controlled engagement and minimal operator involvement, the system supports predictable, repeatable powder transfer while helping reduce exposure risk and protect product integrity.

Designed to integrate into existing or new transfer setups, DoverDoQ™ supports closed operations without adding unnecessary process complexity.



Process Steps

1. Position the Liner

The connecting liner is positioned by the operator at the charging or discharging station, preparing the system for a secure and controlled docking sequence.

2. Dock to DoverDoQ™

The liner is automatically attached to the patented DoverDoQ™ system, and the operator initiates the docking process to create a sealed and contained connection.

3. Secure the Interface

Multiple attachment points help stabilize the liner and maintain a reliable containment interface throughout the transfer process.

4. Transfer the Powder

Powder is transferred through a full opening, supporting efficient material flow while maintaining containment during operation.

5. Manage System Pressure

When used with dispensing or dosing systems, DoverDoQ™ supports pressure balancing to help prevent liner overpressure.

6. Seal & Undock

After transfer, the connecting neck is sealed and cut. Compatible liners can be sealed using ILC Dover's proven crimping system or other approved sealing methods.

7. Replace the Liner

The operator initiates the undocking sequence through the controller, places a new connecting sleeve over the previous transfer bag stub, and removes it through the trash-out port.



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Your Process. Our Priority.

DoverDoQ™ is designed for broad compatibility across ILC Dover products and liners from other suppliers. When paired with compatible liners and transfer systems, it supports a complete end-to-end material handling approach built around safety, efficiency, and regulatory compliance.

Engineered for demanding pharmaceutical, biotechnology, and high-potency manufacturing environments, DoverDoQ™ reflects ILC Dover's commitment to precision engineering, operational reliability, and customer-focused innovation.

With decades of experience in flexible containment and powder handling, ILC Dover delivers proven solutions that help manufacturers protect operators, maintain product integrity, and keep critical processes moving.



Ready to Strengthen Your Transfer Process?

Scan the QR code to connect with the ILC Dover team and learn how DoverDoQ™ can support your containment, safety, and material handling goals.



Scan the QR code to connect with
ILC Dover for ordering details.

Rapid turnaround available.



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