



Case Study: Ingenus Pharmaceuticals achieves operational excellence with flexible isolator technology

Ingenus Pharmaceuticals GmbH specializes in the production of cytotoxic, liquid, and lyophilic pharmaceutical products. Known for its dedication to quality and safety, the company continuously seeks innovative solutions to enhance its manufacturing processes. In its pursuit of operational excellence, Ingenus recently replaced its fixed isolator system with a flexible isolator solution from Lugaia. This switch has brought tangible improvements in flexibility, efficiency, and safety.

Challenges with the Fixed Isolator System

Ingenus faced significant challenges with its previous fixed isolator system. Cleaning procedures required extensive effort and precision to ensure no trace of Active Pharmaceutical Ingredients (APIs) remained, preventing cross-contamination during the preparation of a solution bulk by dissolving the API and excipients and filling it into vials. This process consumed significant time, resources, and required dedicated personnel. Moreover, the rigid nature of the fixed system lacked adaptability, making it difficult to tailor operations to specific production needs.

A tailored Solution: The Flexible Isolator

Ingenus decided to transition to Lugaia's flexible isolator system to address these challenges. Unlike fixed systems, the flexible isolator leverages a single-use design, eliminating the need for extensive cleaning and verification processes. This decision was motivated by the desire to maximize flexibility, optimize time and resources, and ensure the highest levels of safety for both employees and products.



The new Lugaia SafeFlex isolator



Powder handling in the Lugaia SafeFlex isolator

LUGAIA

Containment solutions



Case Study

Flexible Single-Use Isolator System



Flexible single-use Lugaia SafeFlex isolator

Measurable Results

Since implementing the flexible isolator, Ingenus has observed measurable improvements in productivity and efficiency. Process times have been significantly shortened, and resources previously allocated to cleaning operations are now available for other value-adding tasks. Despite initial concerns about potential cost differences, Ingenus found that the operational benefits of the flexible system outweigh any financial parity with the fixed system.

Smooth Installation Process

The installation process was a testament to successful collaboration between Ingenus and Lugaia's engineering team. „The entire project ran smoothly, and the new system was installed without requiring any special modifications,“ notes the Ingenus production team.

Industry Recommendation

Ingenus Pharmaceuticals recommends the flexible isolator to other companies in the industry. „The complete customizability, safety enhancements, and operational efficiencies of this system are game-changing. For any company handling cytotoxic or hazardous compounds, this solution is a must-consider,“ advises the Ingenus leadership team.

Conclusion

The adoption of Lugaia's flexible isolator has allowed Ingenus Pharmaceuticals to overcome the limitations of their fixed system. The improvements in flexibility, safety, and resource optimization have strengthened their operations, setting a practical example for other pharmaceutical manufacturers to follow.

Key Benefits Realized

1. Enhanced Flexibility and Customization

The flexible isolator allows full customization to meet specific production requirements. This adaptability ensures a streamlined workflow tailored to Ingenus' operations.

2. Time and Resource Optimization

By eliminating cleaning and verification tasks, Ingenus has significantly reduced processing times. The system also cuts down on the consumption of Water for Injection (WFI) and cleaning accessories.

3. Improved Safety Standards

The flexible isolator's OEB 5 containment ensures the safe handling of potentially toxic powders, prioritizing the well-being of operators, the integrity of the working environment and the final products.

4. Ease of Maintenance

Maintenance has become remarkably straightforward. The disposable bag can be replaced quickly and safely, eliminating the need for complex cleaning processes.

Interested?

anfrage@lugaia.ch

+41 27 948 45 55

www.lugaia.com

Why Lugaia?



Swiss Quality Customized Design Excellence