



asepticare

ENGINEERED FOR ASEPTIC EXCELLENCE

ASEPTICARE is a modular aseptic isolator platform designed to support a wide spectrum of sterile and sterile-toxic processes within a single, integrated system.

From sterile component preparation and aseptic formulation to small-batch Fill & Finishing, powder handling and advanced biotech applications, the platform adapts to evolving production needs while ensuring consistent sterility assurance.

Developed by IWT, leveraging decades of experience in isolation technology and aseptic processing, ASEPTICARE enables flexible process configuration without the need for complete re-engineering. Its architecture allows different operational scenarios to be implemented efficiently in hygienic design while maintaining high GMP standards, contamination control and operational reliability.

The system driven by pharmaceutical manufacturing requirements, combines process protection, operational flexibility and scalable performance within one coherent aseptic environment.

ISOLATION TECHNOLOGY DEDICATED TO YOUR PROCESS:



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Contamination Control Excellence

Multipurpose Aseptic Isolator



NEW

asepticare

Sterile Fill & Finishing

▶ SMALL-BATCH FILL & FINISHING

Thanks to the cooperation with **3P innovation** we provide performance & flexibility.

- ▶ Automatic filling and closure with 100% IPC check-weighing
- ▶ Smart filling for zero waste
- ▶ Liquid and powder filling across multiple formats
- ▶ Compatible with vials, PFS, cartridges, IV-bags and cryovials
- ▶ Flexible handling of RTU in tubs or tray
- ▶ Functional and ergonomic work-flow maintaining first air principle and aseptic integrity

▶ FLEXIBILITY & MODULAR ARCHITECTURE

- ▶ Configurable platform adaptable to different layouts and production scenarios
- ▶ A single system supporting multiple aseptic applications
- ▶ Integration of manual or fully automated process equipment
- ▶ Sterile material transfer via rapid bio-decontamination or integrated No-Touch Transfer (NTT)
- ▶ Reliable and scalable performance

CONFIDENCE IN EVERY FILL

ASEPTICARE combines advanced engineering, GMP-compliant construction and deep process expertise in a fully integrated solution.

Every element — from mechanical design to airflow management and automation — is developed to ensure reliability, repeatability and long-term operational performance in regulated environments.

Its modular platform allows the system to adapt to different layouts and applications while maintaining consistent contamination control and ergonomic operation.



▶ SMART CONSTRUCTION

- ▶ IWT decontamination system delivering automatic, repeatable and fast bio-decontamination cycles.
- ▶ Proprietary catalyst technology enabling single-pass H₂O₂ Neutralization.
- ▶ Compact and ergonomic design enabling efficient cleaning fast setup and intrinsic sterility and safety.
- ▶ Engineering philosophy focused on operator well-being — enabling teams to concentrate on what truly matters: the process.
- ▶ **LightCare®** adaptive lighting system designed to improve visibility and operator comfort in every working condition.

▶ ADVANCED CONTROL & CONTAMINATION SAFETY

- ▶ Control architecture based on Siemens or Allen-Bradley, compliant with 21 CFR Part 11 and GAMP5 principles.
- ▶ Advanced **SCADA system** enabling complete monitoring and control of critical process parameters.
- ▶ Secure integration with MES systems via OPC-UA communication protocols
- ▶ Integrated contamination control strategies reducing operational risk.

ASEPTIC PROCESS ELEVATED



STERILITY

- ▶ **ASEPTICARE** is engineered to deliver uncompromised sterility assurance across multiple aseptic processes. Designed around the First Air Principle, it combines unidirectional airflow, integrated bio-decontamination and advanced environmental control to protect product integrity - where every dose matters.



PERFORMANCE

- ▶ Reliable environmental control, automatic process management and optimized workflows ensure reproducible operations over time. The system is designed to maintain high process consistency while supporting critical aseptic applications.



PARTNERSHIP

- ▶ From concept development to life cycle support, IWT works alongside customers with dedicated engineering, validation expertise and global service capabilities. Our goal is to ensure long-term performance, reliability and operational confidence.



FLEXIBILITY

- ▶ One modular platform supporting sterile formulation, sterile component preparation, small-batch fill & finish and sterile powder handling.

ASEPTICARE adapts to process evolution while maintaining consistent aseptic performance — reducing the need for dedicated equipment.



OPERATORS

- ▶ Human-centric engineering improves comfort, accessibility and usability during aseptic operations.

Ergonomic working positions, adaptive lighting and intuitive interfaces reduce fatigue and support operator performance.



SIMPLICITY

- ▶ A compact **PLUG & PLAY** architecture, for optimized installation into both new and existing facilities. Clear workflows and intuitive operation help teams focus on the process instead of the equipment.

