EHRET
Life Science Solutions

Product overview

Innovative Solutions for Laboratory, Pharma, and Cleanroom Environments







- Consulting
- Planning
- Engineering
- Production
- Start-up
- Qualification
- GMP-GAMP-Documentation
- Service

EHRET GmbH Life Science Solutions | 79111 Freiburg | Germany | Tel.: +49 761 45287 6-0 | **info@ehret-solutions.de** | **www.ehret-solutions.de**

Cytotoxic Isolators CMRI



- Safe production and processing of toxic substances via negative pressure operation (-30 to -100 Pa)
- Laminar flow at 0.45 m/s ±20% via H14 HEPA filters
- Designed and manufactured in accordance with DIN EN ISO 12980 and ISO 14644 Part 7
- Full stainless steel construction (1.4301 / AISI 304)
- Two transfer airlocks with foot-switch operated doors
- Cleanliness class in the working area: ISO 5 / Grade A
- Optional: Fully integrated H_2O_2 decontamination system (up to Log 6 reduction)

Cleanroom Positive Pressure Isolators PPI



- Safe handling of pharmaceutical products (TPN/CIV, AS) under aseptic conditions
- Laminar airflow 0,45m/s ±20% via H14 HEPA filters (positive pressure operation)
- Construction: Entirely made of stainless steel 1.4301 (AISI 304)
- Optional transfer hatches on both sides for the entry and exit of products
- Cleanliness class in working area ISO 5 / Grade A
- Optional: Fully integrated H_2O_2 generator (up to log 6 reduction)

Cytotoxic Safety Cabinets Cyto-ELSS



- Triple Protection: Operator – Product – Environment
- Safe preparation and processing of toxic substances, such as cytostatics and virostatics, and hazardous materials according to TRGS-525
- Developed and manufactured in accordance with DIN EN ISO 14644
- Compliant with DIN 12980; password-protected control system with touch panel interface
- Monitoring and display of all parameters (humidity, temperature, filter life, operating hours, motor performance, and front window position)

Aseptic Isolators AIS



- The ideal solution for ensuring compliance with EU guidelines such as GMP Annex 1 (PIC/S PE 009-17)
- Dual-mode operation: Capable of both positive and negative pressure operation
- Fully integrated bio-decontamination system for rapid H_2O_2 airlock cycles
- Secure, consistent separation of operator and process via a fully closed system
- Construction: Entirely made of stainless steel 1.4301 (AISI 304)
- Cleanliness class in working area: according to EU GMP Guide, Vol. 4, Grade A

Pharma-Containment-Isolators PCI



- Highest level of user protection: Our containment isolators are specifically designed to ensure maximum personnel safety when handling Highly Potent Active Pharmaceutical Ingredients (HAPIs).
- Optimal protection for both product and personnel.
- Maximum safety up to OEB 5: PCI isolators guarantee the highest safety standards for working with critical substances up to Occupational Exposure Band (OEB) Level 5.
- Tailored to your process: Customized solutions for your specific application—from the initial mock-up study to the turnkey isolator system.
- Ideal for dosing, dispensing, milling, filling, and reactor charging.
- Secure negative pressure control: Operation under negative pressure (approx. -100 Pa) with turbulent airflow.
- Filtration: Equipped with HEPA filters featuring a safe "Push-Push" change-out system.

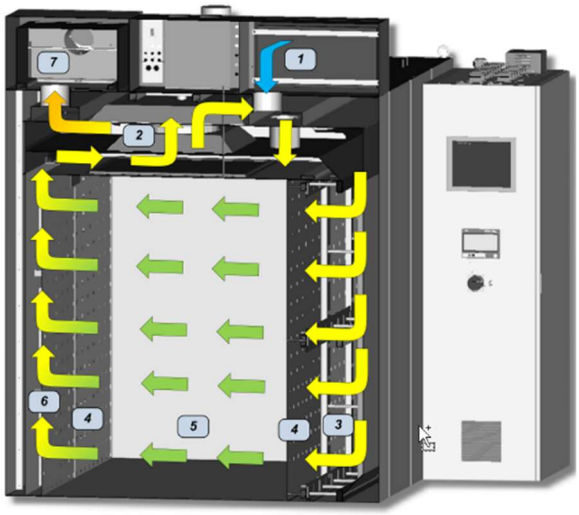
Hot Air Sterilizers STE-Kl. 100 / Kl. 10 000

- Cleanliness class in working area ISO 14644-1 Class 5 / ISO 14644-1 Class 7
- Temperature range adjustable up to +280°C
- Electrically operated stainless steel heating elements for supply and recirculating air
- Built with Stainless steel 1.4301 (AISI 304)
- Pharma-compliant Siemens S7-1500 PLC
- Meets all cGMP requirements – GAMP, 21 CFR Part 11, ERES, and Audit Trails
- Automatic batch reporting and connectivity to SCADA systems
- Available in single-sided or double-sided (pass-through) configurations
- Mixed-cooling system with air/water heat exchangers to optimize cycle times



Air Distribution

- Supply air via HEPA H13 filters with differential pressure monitoring
- Recirculating air via a stainless steel circulation fan
- Exhaust air via an adjustable exhaust damper
- Exhaust duct: 100 mm diameter
- Pull-out control cabinet for easy maintenance and servicing



1	Supply air filter HEPA H14
2	Recirculation fan
3	Recirculation filter, HEPA H13 (optional)
4	Air baffle
5	Internal chamber
6	Tubular heating elements (not shown)
7	Exhaust air filter, HEPA H13

Legend:

- Supply air via H14 HEPA filter
- Recirculated air (pre-HEPA filter)
- Recirculated air (post-HEPA filter, optional)
- Exhaust air

Cleanroom Drying Cabinets TKRR



- Temperature range adjustable from 40°C to +200°C
- Horizontal airflow pattern
- Electronic temperature regulation
- Entirely made of stainless steel 1.4301 (AISI 304)
- Recessed door construction
- Cleanroom class ISO 5 according to DIN EN ISO 14644-1
- Internal, heat-resistant HEPA filters
- Integrated Remote Control System for simplified monitoring and operation

Drying-Sterilizing Ovens TKL



- Temperature range: Adjustable from 5°C above ambient up to +300°C
- Forced convection
- Adjustable exhaust/ventilation
- Electronic temperature regulation
- Interior made of stainless steel 1.4301 (AISI 304)
- Perforated stainless steel trays
- Custom designs available, including built-in drying cabinets (TKLE)

Laboratory Glassware Drying Cabinets TKLG



- Temperature range adjustable from 5°C above ambient up to +90°C
- Forced convection
- Electronic temperature regulation
- Entirely made of stainless steel 1.4301 (AISI 304)
- Designed for drying glassware directly on baskets from Miele washer-disinfectors Type PG8583
- Retrofit kit available for lower baskets and injector carriages from Miele G7783/7883

H_2O_2-Hatches DK-101



- Transfer hatch for the aseptic transfer of material in the pharmaceutical industry according to GMP guidelines
- Hydrogen peroxide H_2O_2 sterilization
- Operable from both sides
- Pneumatic door seals with pressure switch monitoring and additional safety interlocking
- Optional with upper and lower trolleys

Disinfection Hatches DK-500-PES



- Disinfection of objects / materials before transfer into a cleanroom laboratory
- Disinfection optionally with peracetic acid or hydrogen peroxide H_2O_2
- Operable from both sides
- Leak tightness ISO 10648-2 Class 3 via monitored pneumatic inflatable door seals with additional safety interlocking of the doors
- Optional with upper and lower trolleys

CONTACT

EHRET GmbH
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Jechtinger Straße 15 | 79111 Freiburg i. Br.
Tel.: +49 761 452876-0 | Germany
info@ehret-solutions.de | www.ehret-solutions.de



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