



SKAN AG

ARIS - Isolator



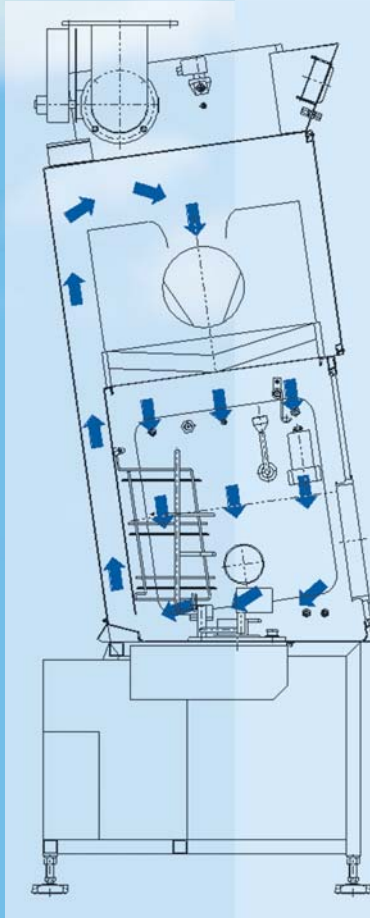
**A diversified isolator system for critical process steps
in laboratory and production applications**



Our experience is your safety

You are processing products aseptically or testing samples for sterility. How do you avoid:

- Microbial contamination of your product or process
- Particulate contamination
- Cross contamination with other products



New in Barrier Isolation Technology

Barrier isolators separate the operator from the process and the products.

The ARIS is a high quality, state of the art, barrier system, for the flexible use in environmental health and safety, as well as product protection applications.

The ARIS is a 4 or 2 glove isolator which can be operated in negative or positive pressure and provides therefore high flexibility.

Features

- Patented air handling system
- Optimal accessibility
- Ergonomic process handling
- Inflatable seal door gaskets
- High quality construction made from stainless steel and glass
- Integrated H₂O₂ decontamination system
- Full automated, menu driven control system
- GAMP 4.0 conform documentation
- Comprehensive package of options

Perfect safety of product- and process with high flexibility

- Reproducible working conditions
- High leak tightness
- Good margin of safety against operating error
- Improved operator comfort
- Minimized risk of cross contamination
- Simple and reproducible cleaning
- Reduction of production- and maintenance costs





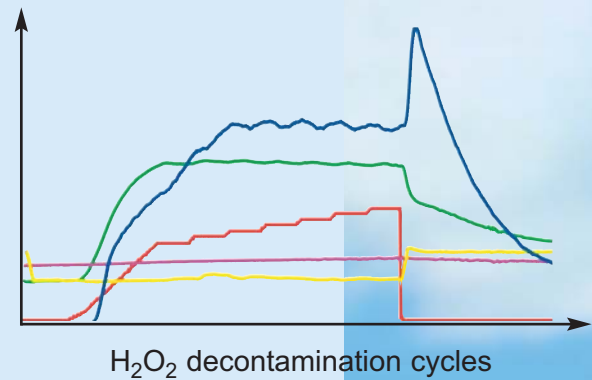
Integrated H₂O₂ Decontamination with SIS 700

A safe decontamination process, widely accepted in the pharmaceutical industry, suitable for your laboratory or production application.

The completely integrated H₂O₂ decontamination system, SIS 700, provides for a quick, fully automatic decontamination of the isolator.

The stable, reproducible result of the SIS 700 guarantees a SAL of 10⁻⁶ in the enclosure.

The short cycle time is reached by optimal gas distribution and efficient aeration.



Air Handling and Filter Technology

- The airflow is vertical, unidirectional.
- The isolator operates in positive or negative pressure to the environment
- Pressure control responds quickly and is stable during operation
- Inlet and outlet air is HEPA filter (H14) protected
- The filters are monitored with pressure gauges
- The recirculating HEPA filters are dynamically sealed

A universal isolator due to its numerous options and thoughtful features

- Automatic leaktest
- Air velocity sensor
- Integrated particle measurement with isokinetic probe and decontamination loop
- Integrated viable particulate collection with decontamination loop
- External H₂O₂ measurement (TLV)
- H₂O₂ measurement in the isolator (trending)
- Temperature measurement
- Glove integrity testing with Skan AG HSPG 3
- Glove extenders during H₂O₂ decontamination cycle
- Chart recorder

As an alternative, an external H₂O₂ system can also be utilized.





ARIS supports all widely used transfer systems

- RTP/RTC systems
- Air lock
- Split butterfly valves
- Bag out (in) systems
- Two or more ARIS can easily be combined to provide a more complex system



Applications

- Testing of samples for sterility
- Aseptic product transfer
- Aseptic packaging
- Aseptic sampling
- Small scale filling
- Other aseptic applications in the laboratory
- Widely used in the aseptic production for product- and operators safety

Integrated equipment broaden the applications

- Balances
- Magnetic stirrers
- Fermenter
- Refrigerators, ovens and incubators
- Steritest systems
- Shelves
- Stainless steel baskets and many more

A large pallet of services broadens the offer

- Complete documentation of the unit according to GAMP 4.0, which leaves no open questions for the authorities
- Installation and commissioning
- System qualification IQ/OQ with thorough preparation and execution
- Cycle development with assistance of our specialists
- Support with microbiological qualification
- Documented training of operators and maintenance personnel

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Changes due to technical research and advances are permitted.

Microbiol. photographs: Labor L+S