Isolator Technology

The experts in our Industrial Division manage the engineering, design, fabrication and validation of your pharmaceutical isolator process solution.

Lab Equipment

Our Lab Division is specialised in ensuring the safety of the user, the product and the surrounding environment in your laboratory and cleanroom.

Together always one step ahead

Together with our team of employees, our partners, our suppliers, and together with you.

It’s better to be wireless

WirelessGT – The innovative Glove Leak Testing System

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Changes may be made as a result of technical progress or improvements in services offered.

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SKAN

SKAN, founded in 1968, is one of the pioneer companies in the field of cleanroom equipment and design of isolators for the pharmaceutical industry.

Innovative products, client specific solutions as well as an efficient service organization have made SKAN a market leader and important partner of industry and research laboratories worldwide.

Your needs

- Easy to use glove leak testing system (fast and safe)
- Reduced turn around time
- Reliable test results
- Test in place
- Clean room compliant
- Simultaneous testing of gloves

Testing on demo glove

Our solution

WirelessGT, the most advanced and fully automated glove leak testing system with pressure decay measurement for isolators and RABS in the pharmaceutical industry. The operation is simple without tubes and wires. All necessary functions to perform a reliable glove test are integrated in the battery powered test cover. The test method is monitoring the pressure loss of the glove/sleeve assembly over a defined time.

Features

- Wireless transmission to PC
- Testing time from 15 minutes, depending on glove material and accuracy required
- Specific test recipes for different types of gloves
- User friendly operation, cGMP compliant testing
- Safe recognition of the tested glove port by RFID
- Detects holes larger than 100 µm
- Suitable for use in clean rooms
- Test pressure up to 3500 Pa
- All gloves of an isolator can be tested simultaneously
- In situ testing without removal of the gloves

Measurement

The clean room compatible test cover is available in all forms and sizes of shoulder rings, determined by the customers needs. The connection to a PC is wireless (1) and it locks via click fix (2). RFID technology recognizes the glove number (3). With a self-inflatable gasket, the glove/sleeve combination or the single piece glove is coupled with the glove port (4). Another integrated pump builds up the pressure in the glove/sleeve combination. The test air flows through a built-in HEPA filter (5). Pressure is pumped up to a possible maximum of 3500 pascals (5) to start a stabilizing phase (6), after that the pressure drop test begins. During the entire fully automated test cycle, the pressure in the gasket and the glove is monitored (7). The defined test recipe is based on the characteristics of the various glove forms and materials.

The results

The results of the leak test are collected in a test report with a signature field (9). This test report is created in a manipulation safe process and saved on the computer in PDF format. Data evaluation can be done outside the clean room.

Several services complete this offer

- Documentation according to GMP/GAMP
- Commissioning and system qualification (IQ/OQ) by qualified SKAN personnel (on site is optional)
- Delivery of specific test cycles
- Documented training of personnel