Suitable complements:

WirelessGT

The innovative glove leak testing system without tubes and wires: It´s better to be wireless.

Services

Professional trainings, scheduled preventative maintenance and central spare parts contact.

Safe and Rapid Transfer of Precious Content

SKANFOG® SARA – The airlock with gentle H_2O_2 decontamination by micro-nebulization

SKAN AG
Binningerstrasse 116
CH-4123 Allschwil
T +41 61 485 44 44
F +41 61 485 44 45
info@skan.ch
www.skan.ch

SKAN Japan
3008-2, Gusukuma
Urasoe-City, 901-2133
Okinawa, Japan
Phone +81 98 894 2636
info@skan.ne.jp
www.skan.ch

SKAN US, Inc.
7409 ACC Blvd., Suite 200
Raleigh, NC 27617, USA
Phone +1 919 354 6380
sales@us.skan.ch
www.us.skan.ch

SKANFOG® SARA Brochure EN
Material No. 1211707
Version 199695_C / 20140623

Together always one step ahead

Safe and Rapid Transfer with SKANFOG® SARA

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

- A safe and rapid material transfer process
- Interface between areas with different cleanroom classifications
- A decontamination process that reduces the bio-burden on materials passing through
- Fully validated and automated transfer process

Our solution

SKANFOG® SARA is a safe and rapid material airlock with integrated SKANFOG® technology for a fast and gentle bio-decontamination transfer process. The stainless steel design is suitable for different cleanroom classifications. With its modular design, SKANFOG® SARA is available in three standard sizes and can also be adapted to customer´s requirements. Even loaded, very rapid cycle times are available.

Features and sizes

- Total kill of a 10^6 population of *G. stearothermophilus* can be validated and is reproducible
- Once-through unidirectional airflow, integrated catalytic converter and powerful fan for fast decontamination
- Smart airflow guidance means fewer interfaces and easy installation
- Automatic leak testing before each decontamination cycle for maximum safety
- Sealed doors with smart interlock system for minimized risk of bioburden and contamination
- Very rapid cycle times

SKANFOG® SARA is available in different sizes:

- Small: e.g. for pass-throughs
- Medium: e.g. for loading car and transfer carriage
- Large: e.g. for floor loading solutions
- Customized: for special requirements

SKANFOG® H_2O_2 micro-nebulization

Controlling the microbial load within A/B cleanroom classes is a daily challenge. Surface decontamination of the equipment is a time-consuming procedure and validation is often complex. SKANFOG® is decontamination technology based on the micro-nebulization of hydrogen peroxide (H_2O_2). Compared with conventional wiping, it simplifies and enhances both procedure and validation. Moreover, nebulized H_2O_2 in moderate concentrations can be used without concern regarding toxicity, corrosion and persistence. Scientific studies have shown that a total kill of a 10^6 population of the test organism *Geobacillus stearothermophilus* can be achieved and reproduced. [1]

SKAN, the world's leading specialist in H_2O_2 decontamination processes, provides consultation and support across all phases of the cycle development and the microbiological validation. SKANFOG technology is used for:

- Room decontamination (e.g. class B and hospitals)
- Open RABS combined with cleanroom
- Closed RABS
- Material transfer airlocks

[1] Sigwarth et al.: "A potent and Safe H_2O_2 Fumigation Approach". PDA J Pharm Sci and Tech 2012, 66 354-370

Airflow through the SKANFOG® SARA

Air is drawn in from the surrounding room (1) and is guided through a HEPA filter (2) into the chamber. Two SKANFOG® nozzles at the top of the chamber nebulize the H_2O_2, which is distributed evenly (3). In order to achieve a good aeration after the decontamination, the air with the H_2O_2 is guided by the unidirectional airflow to the bottom (4). Here it leaves the chamber (5) and is led to an assembly, consisting of a catalytic converter, a fan and another HEPA filter (6). After the catalytic converter has degraded the H_2O_2 and the filter has absorbed any remaining particles, the clean exhaust air is guided back to the same room (7).