

# Air samplers for isolators

The microbiological air sampler created for the control in isolators and RABS in pharmaceutical and food companies and in hospital environments.

## SAS SUPER ISOLATOR

### TYPICAL APPLICATIONS

Control and validation of isolators, RABS and closed systems for drugs, food and beverage production. Several aspirating chambers can be controlled by a single SAS control unit providing a practical and economic solution.

It consists of a programmable unit which remains outside the controlled area which uses 55 mm contact plates or standard 90 mm Petri dishes.

### PERFORMANCE

- Compliant with USP chapter 1116 and ISO 14698-1
- Up to 70.000 litres of air with up to 300 memorised sampling cycles
- Sampling rate accurately maintained by speed sensor and can be positioned anywhere inside the isolator or RABS
- Compatible with the most common sanitising and sterilising agents used inside isolators such as VHP (Vaporised Hydrogen Peroxide)
- Design avoids turbulence in unidirectional airflow and re-aspiration of tested air in accordance with ISO specifications
- Provides total traceability - IQ OQ validation protocols available
- Automatic reminder in case of expired calibration
- 8 pre-fixed modifiable sampling configurations

### DATA TRANSFER

- Special connections for isolators available on request



ACCESSORIES



Single-use heads for air samplers  
Cat.No. 710-0891



Adapter for Petri dishes Ø 90 mm  
Cat.No. 710-0882



Additional aspirating chamber  
Cat.No. 710-0947  
Cat.No. 710-0948



SAS software for downloading data from SAS Super Isolator  
Cat.No. 710-0975



Battery charger with universal plug  
Cat.No. 710-0993



Infrared remote control  
Cat.No. 710-0962



Lightweight aluminium carrying case  
Cat.No. 710-1697

TECHNICAL SPECIFICATIONS

Model	SAS Super Isolator 100	SAS Super Isolator 180	Duo SAS Super 360 Isolator
Airflow rate	100 l/min	180 l/min	2x180 l/min
Sampling head	Stainless steel	Stainless steel	Stainless steel
WxDxH	105x110x290 mm	105x110x290 mm	360x160x180 mm
Weight	1,75 kg	1,75 kg	2,1 kg

For a complete system - please order the sampler you require, a battery charger and the appropriate head.

An adapter is required when using heads for Petri dishes (90 mm) with samplers for contact plates (55 mm). Sets including a head for 90 mm Petri dishes and the required adapter are available.

Model without aspirating head and battery charger	Cat.No.
SAS Super Isolator 100 for contact plates	710-0943
SAS Super Isolator 100 for Petri dishes	710-0945
SAS Super Isolator 180 for Petri dishes	710-0946
SAS Super Isolator 180 for contact plates	710-0944
Duo SAS 360 Isolator for contact plates	710-0977
Duo SAS 360 Isolator for 90 mm Petri dishes	710-0978
Accessories	
Battery charger with universal plug (this is mandatory for the correct functioning of this instrument)	710-0993
Adapter* for Petri dishes, Ø 90 mm (only for SAS Super Isolator for contact plates)	710-0882
Aluminium carrying case	710-1697
Additional aspirating chamber for contact plates (without aspirating head)	710-0947
Additional aspirating chamber for Petri dishes (without aspirating head)	710-0948
IQ, OQ manual for SAS Super Isolator	710-0954
Infrared remote control for SAS Super Isolator	710-0962
Interface for SAS Isolator software	710-0964
SAS software for downloading data from SAS Super Isolator (to use with interface)	710-0975

\* An aspirating head for 90 mm Petri dishes has to be used with these adapters.

REFERENCES

- 1. ISO Standard 14698-1 - 'Cleanrooms and associated controlled environments biocontamination control - Part 1: General principles and methods'
- 2. USP chapter 1116 - 'Microbiological evaluation of cleanrooms and controlled environments'
- 3. EU guide for GMP - 'Manufacture of sterile medicinal products control medicines and inspection'

Aspirating heads	Cat.No.
For contact plates, Ø 55 mm	
Stainless steel	710-0880
Aluminium	710-0892
Sterile daily heads	710-0890
For Petri dishes, Ø 90 mm	
Stainless steel	710-0878
Aluminium	710-0886
Sterile daily heads	710-0891