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SAS Super Isolator Sampling Head

A Microbial Air Sampling Head for Monitoring of Isolators and Grade A Lines

The SAS range has been at the fore front of environmental monitoring for over 40 years. The distinctive yellow samplers are used by many of the world's leading pharmaceutical companies to demonstrate GMP compliance within their manufacturing facilities.

Designed and developed in Italy, the SAS Super range of microbial air samplers offer the user an easy to use, robust sampler for viable particle monitoring. Typical applications include monitoring within controlled spaces, such as clean rooms, operating theaters or laboratories, as well as office and outdoor environments.

The compact SAS Super Isolator Sampling Head can be easily located within Grade A spaces such as filling lines. Installation options include a tri-clover fitting. The head can also be easily integrated and controlled by facility monitoring systems.

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SAS tri-clover fitting

The tri-clover heads are made of 316 stainless steel and are compatible with the industrial standard 50mm diameter clamps. This configuration allows the SAS sampler heads to be easily positioned in situ and secured using the clamp at designated positions within the isolators or along the filling line. The power cables will run internally within the tri-clover fitting, through the mounting post directly into the SAS control unit. Alternatively, the operation can also be integrated into existing human machine interface (HMI) or designated control systems, thus giving the operator full control of the sampling regime.

Applications

The SAS portable sampler can be used for many environmental monitoring applications, the key uses are:

- Grade A monitoring of isolator cabinets
- Filling lines / RABs
- FM system integration

Features & Benefits

Multi-point impaction sampling

Developed from multi-stage sieve samplers, the SAS utilizes the proven multi-point impaction method to collect airborne particles. 219 holes of 1mm diameter direct air flow on to the agar surface of a standard plate.

Stainless steel sampling head

The 316 stainless steel Drilled Head can be steam autoclaved between uses or decontaminated using proprietary disinfectants or alcohol. Additional heads can be purchased so ensuring a ready to go head is always available.

System integration

The SAS Super Isolator Sampling Head can be easily integrated with a facility monitoring system. These systems typically run particle monitoring devices and can provide a simple start/stop signal for the sampling head and a confirmation of sample completion.

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Easy installation

SAS Super Isolator Sampling head does not require complex fixtures and installation. The head is available as a free-standing unit, or with a tri-clover fitting for pillar mounting to get close to point of fill. Connectivity and power is via a standard fixed coupler.

Technical Data

Sampling Rate	SAS Super Isolator Sampling Head - 100 – 180 liters/minute
Sample Size	Maximum: 1000 liters per plate
One m^3 run time	Dependent on system configuration
Construction Materials	316 Stainless steel (full details available)
Consumables Used	Contact plates or 90mm Petri dishes – must be defined at ordering
Power Requirements	7.5 - 9.0 VDC
Sampling Unit Dimensions (mm)	105 x 110 (Dia x H)
Sampling Unit Weight (kg)	1.66kg (with stainless steel head)



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Ordering Information

The following products are available from **AnalytiChem UK** (formerly Cherwell Laboratories).

For availability outside the UK, visit our website or contact **info@analytichem.com** to learn which SAS air samplers are offered in your country.

Part Number	Description	Packaging
3.1005	SAS Super Isolator Sampling unit, Contact, s/s Drilled head	Per Item
3.1016	SAS Super Isolator Sampling unit, 90mm Petri, s/s Drilled head	Per Item
3.1094	SAS Super Isolator Sampling unit, Contact, s/s Drilled head with tri clover fitting	Per Item
2.1124	Fixed Coupler, type SGL	Per Item
2.1226	Interconnect cable, type FGG / FGL	Each
3.1065	Daily Heads – Contact	Case of 40
3.1066	Daily Heads – 90 mm Petri	Case of 40

Terms & Conditions

All SAS air samplers are supplied as complete kits, ready to use, including calibration certificate and a 24 month return-to-base warranty. Various connection configurations are available for installation of the SAS Isolator system, please ask for further information. We reserve the right to amend specifications without notice. E&OE

AC_LIT_SAS_SuperIsolatorSamplingHead_UK-A4-EN-001

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