

# Pbi Laboratory Gazette

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## AUTOMATIC AUTOCLAVE PROGRAMMER RE-SETTING



The possible incorrect functioning of the programmer is normally due to the fact the operator "plays" with it without reading the Instruction Manual or the "Short Instructions" on the panel. This results in corruption of the working parameters with consequent failure of the instrument. In case of such failure, to go back to the normal functions, it is only necessary to readjust the parameters following the instructions described on our web side.

## AUTOMATIC AUTOCLAVE PROGRAMMER REPLACEMENT

The same electronic programmer is used for all automatic pbi autoclaves and media preparators: the only difference is the setting. The replacement is quite easy: 1. Disconnect the main supply; 2. Slide the old controller out; 3. Insert the new controller proper settings; 4. Connect the main supply; 5. Program the controller (if necessary); 6. Perform a complete sterilisation cycle to check the program.

ALFA BENCH cod. 35087

## AUTOCLAVE HEATING ELEMENT REPLACEMENT



Autoclave heating element replacement

1. Disconnect the autoclave from the main supply
2. Unscrew the heating element fixing nuts on the outside bottom of the autoclave vessel
3. Lift the old heating element from the inside of the vessel
4. Remove all the old heating element sealing
5. Clean very well the surface around the hole where the new heating element will be re-positioned
6. Insert the new heating element with its new sealing
7. Screw the heating element and be sure the sealing is correctly positioned
8. Connect the wiring cables
9. Connect the autoclave to the main supply
10. Switch on the autoclave and perform a complete sterilisation cycle to be sure there are no water losses.

KOCH cod. 39161

## SAS SUPER AIR SAMPLER



Any type of Contact Plate (RODAC plate) is suitable for SAS SUPER air sampler. The 3 plate holders are adjustable using a standard exagonal key.

DUO SAS cod. 24584

## HEPA FILTER REPLACEMENT IN "BIO-SECURITAS" CABINET

The HEPA filters of any Biosafety Cabinet must be periodically changed when they are clogged, damaged or not well aligned. The servicing people should be able to perform such operation. We describe here the instruction for the pbi "Bio-Securitas" cabinet.

1. The operator should be protected with specific personal protection dress and devices
2. Sterilise the inside cabinet with formalin (or other suitable chemical) the night before the replacement (the environment should be protected)
3. Unscrew the four HEPA filter fixing bars
4. "Bag-in" the used filter avoiding operator contamination
5. Insert a new HEPA filter, align it to be sure the sealing is correctly positioned
6. Screw the four fixing bars
7. Check the correct installation by a particle counter
8. The contaminated filter must be sent to the ashing plant.



BIO-SECURITAS cod. 12741-15271

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## **INTRODUCTION**

It is suggested the sampling of bio-aerosols in Clean Rooms and isolators is performed in different positions / locations. Space and transfer of instruments are the main concerns for the Operation Manager in these premises and it is for these reasons that International pbi developed and produced the "SAS Isolator" and the "ML-SAS" (Multi Location).

## **PRINCIPLE OF "SAS ISOLATOR"**



The method is the classic well known "Surface Air System" by impact on agar surface. The AISI stainless steel aspirating chamber + aspirating head of the sampler are completely separated from the body of the instrument and connected by a cable. Aspirating chamber + aspirating head are inside the Clean Room or the isolator; the body of the air sampler is outside and acts as "controller".

The "SAS Isolator" may use a AISI a "Drilled" stainless steel aspirating head or a "Dispo Head" sterile, certified, disposable aspirating head.

*Sas Super Isolator - Code: 43216*

## **SAS Super Isolator Schematic**

