

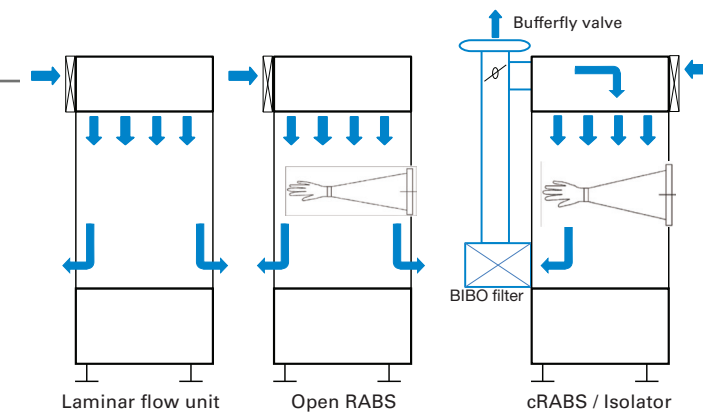


## In-line cRABS and Isolators

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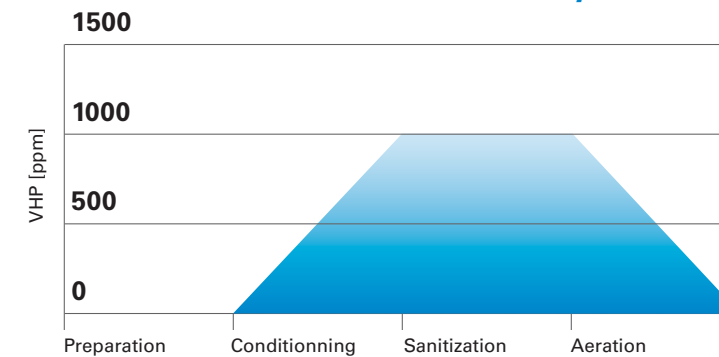


# In-line cRABS AND ISOLATORS



STERILINE provides standard laminar flow units that provide an ISO5 environment to the critical area. These systems are upgraded either to open RABS or closed RABS or to isolators in order to provide uncompromised, continuous isolation of the interior to the external environment, such as personnel and surrounding room.

## VHP Sanitization Theory



STERILINE has decided to deliver a fully integrated isolators package with VHP (Vaporized Hydrogen Peroxide) generator for the sanitization cycle. The isolator sanitization is achieved by means of VHP condensation or VHP in vapour status. VHP sanitization is based on the following approach:

- PREPARATION, including tightness test;
- CONDITIONING by increasing the VHP concentration to the set point;
- SANITIZATION at constant VHP concentration;
- AERATION to lower the VHP concentration less than 1 ppm.

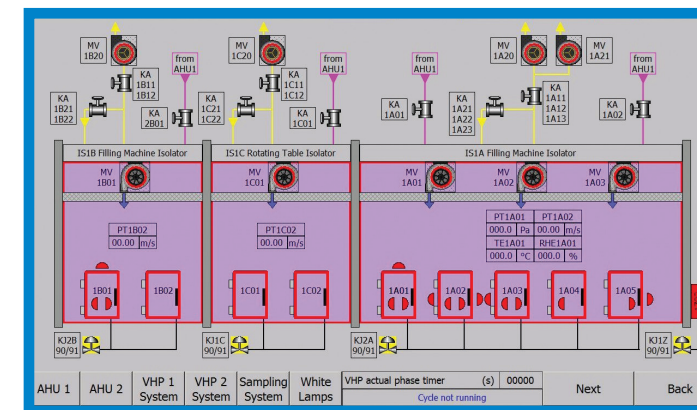
The HMI synoptic page highlights all main functions and monitors the following process parameters:

- Speed of the vertical air flow;
- Differential pressure between the confined area and the surrounding room;
- Temperature and relative humidity.

The PLC controls the following process parameters:

- Speed of the vertical air flow;
- Differential pressure between the confined area and the surrounding room by means of the exhaust fan;
- Temperature and relative humidity.

STERILINE designs and delivers HVAC systems to complete the RABS, cRABS and isolators packages.







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