

## Bio-Phase-CD-2000 H<sub>2</sub>O<sub>2</sub> Bio-Decontamination Vapor Generator



### H<sub>2</sub>O<sub>2</sub> Vapor Bio-Decontamination

- Isolators- Sterility Testing
- Aseptic Filling Lines • Isolated
- Clean Rooms
- Containment Rooms - Isolators
- Biological Safety Cabinets
- Sealed Enclosures
- BL3 Facilities
- Animal Research Facilities

#### FEATURES:

- Continuous Duty High Flow Rates
- Low Pressure - Low Temperature - Residual Free
- High Injection Rates - Accurate Dosing
- 5 Liter H<sub>2</sub>O<sub>2</sub> Liquid Capacity - 30-35% Standard
- Standard Epson Printer
- Non-Proprietary • Standard H<sub>2</sub>O<sub>2</sub> Liquid Bottle
- Allen Bradley or Siemens PLC
- Robust Removable Industrial Stainless Steel Housing
- Standard Industrial Replacement Parts
- Worldwide Availability Parts & Service
- Integrated H<sub>2</sub>O<sub>2</sub> Sensors
- Integrated Drager H<sub>2</sub>O<sub>2</sub> Safety Monitor

The decontamination of large and small volumes is an essential process in order to meet the requirements for sterile production and research in a wide range of industries including pharmaceuticals, biotechnology, aerospace, and food production. Applications in quality control, research, clinical manufacturing and full scale production.

The Bio-Pharm Hydrogen Peroxide-Gas Generator Bio-Phase-CD is built for decontamination of surfaces and especially designed and constructed for a safe and effective elimination of bio-burden. Disinfection with hydrogen peroxide is therefore a faster, more controlled and environmental protecting alternative compared to the known formaldehyde disinfection. H<sub>2</sub>O<sub>2</sub> bio-decontamination has many advantages, including safety and environmental concerns, compared to chlorine dioxide, para-formaldehyde, peracetic acid, and other chemicals.

The stand alone Bio-Phase-CD-2000 is mobile on four lockable casters and can decontaminate rooms from 1 up to 300 m<sup>3</sup>. Optionally Bio-Pharm Hydrogen Peroxide-Gas Generator Bio-Phase-CD-2000 has a capacity of 600 m<sup>3</sup>. Bio-Phase-CD-2000-1 is an integrated element of a clean-room, transfer hatch or an isolator with a capacity of approximately 1 up to 50 m<sup>3</sup>.

# BIO-PHARM<sup>INC</sup>

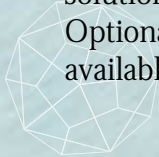
**Bio-Phase-CD-2000**  
**H<sub>2</sub>O<sub>2</sub> Bio-Decontamination**  
**Vapor Generator**



## 30-35% H<sub>2</sub>O<sub>2</sub> DOSING FEED SYSTEM



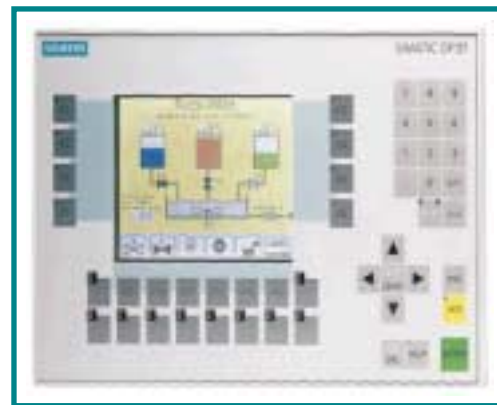
Standard 5 liter non-proprietary  
H<sub>2</sub>O<sub>2</sub> liquid- aqueous peroxide  
solution in a safe feed system.  
Optional larger feed systems  
available.



Easy to Use PLC Control Systems. . .  
PANELVIEW 550 OR 600 OPERATOR  
TERMINALS WITH PLC SLC-505E OR 503/4



SIEMENS OP27 MMI USED WITH PLC S7-300



INNOVATION YOU CAN RELY ON  
FOR YOUR SEALED ENVIRONMENT.



Bio-Phase-CD Nozzle  
Systems for fast and effective  
vapor distribution. Portable  
or permanent mounting. Effective use with  
large and small clean rooms.

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