

# Introducing the OPTIMA **PASSTECH**® S1 BioDecontamination System

*Designed for **PIC/S** & **GMP***



### Applications :

- Biological Safety Cabinets
- Pass-through Chambers
- CO<sub>2</sub> Incubators
- R&D Isolators
- Glove Boxes
- Freeze Dryers
- Animal Labs
- Small Enclosures

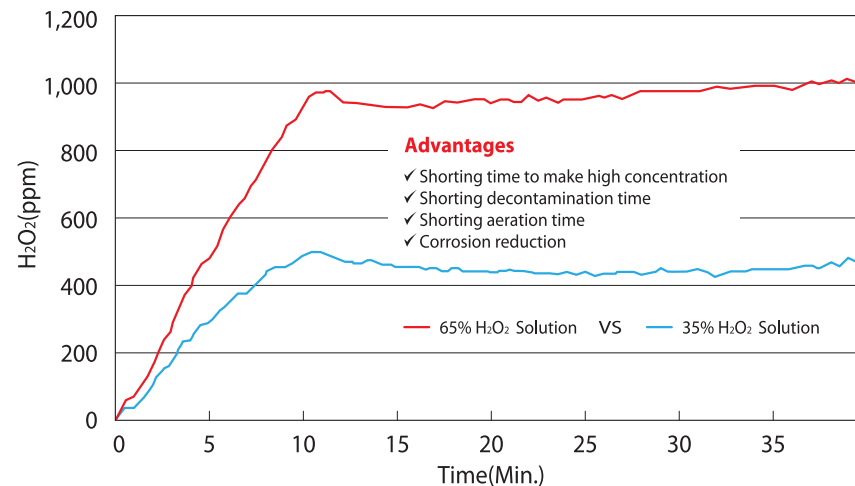


## ■ H<sub>2</sub>O<sub>2</sub> Generator



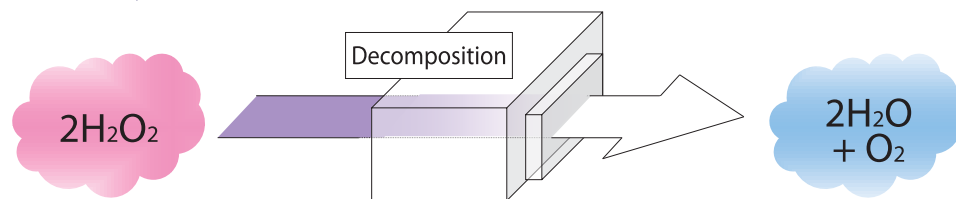
- Decontamination Space  
H<sub>2</sub>O<sub>2</sub> 35% : Max. 1m<sup>3</sup>  
H<sub>2</sub>O<sub>2</sub> 65% : Max. 12m<sup>3</sup>
- Vaporization Temperature : 150 °C
- Injection Rate : 0.6mL/min
- Electrical : 100 ~ 240V, 50/60Hz
- Dimensions (W × D × H) :  
130 × 130 × 231 mm

### Why Concentrate H<sub>2</sub>O<sub>2</sub> 65%?



Manufacturer's Data - Best Available

## ■ Catalyst



### ➤ Exhaust Gas Treatment

### ➤ Design Example

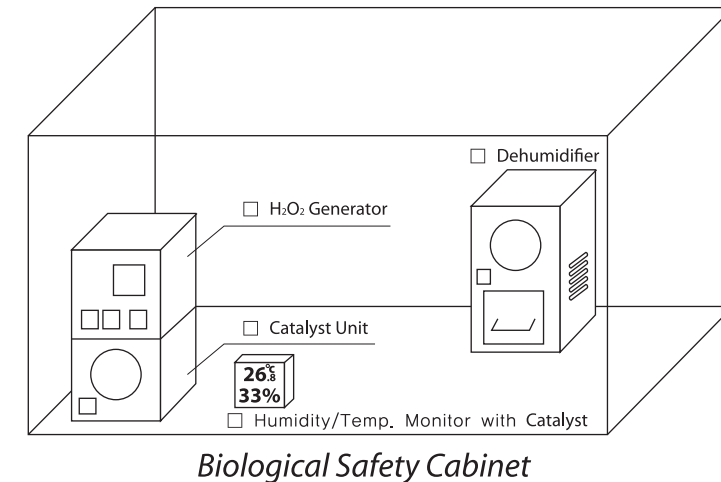
- SV : 10000~20000 HR<sup>-1</sup>
- Supply Concentration : 100~1000 ppm
- Decomposition Efficiency : More than 99.9 %
- Room Temperature : 20~40°C
- Humidity : Less than 80 RH%



## ■ The Dry Process Technology of BioDecontamination System for Small Enclosures.



- Dehumidification Capacity :  
15mL/h
- Mode of Dehumidification :  
Forced Convection
- Electrical : 100 ~ 240V, 50/60Hz
- Mode of Operation : Continuous
- Dimensions(W × D × H) :  
130 × 130 × 231mm



## ■ Accs. / Consumables for Validation

1. BI(Biological Indicator)\*  
Mesa Labs, Apex Biological Indicator  
Geobacillus stearothermophilus(10<sup>6</sup>)
2. CI(Chemical Indicator)\*  
Johnson & Johnson STERAD ForeSure CI
3. H<sub>2</sub>O<sub>2</sub> 35% Standard Solution(500mL)\*
4. Circulator\*
5. Compact H<sub>2</sub>O<sub>2</sub> 65% Concentrator\*
6. Curing Tape (W 1,800mm × L 25m)
7. 3M Masking Tape(Yellow)
8. Humidity / Temp. Monitor with Catalyst
9. Syringe(20mL)

\* Mark : Optional

\* All specifications subject to change without notice.

