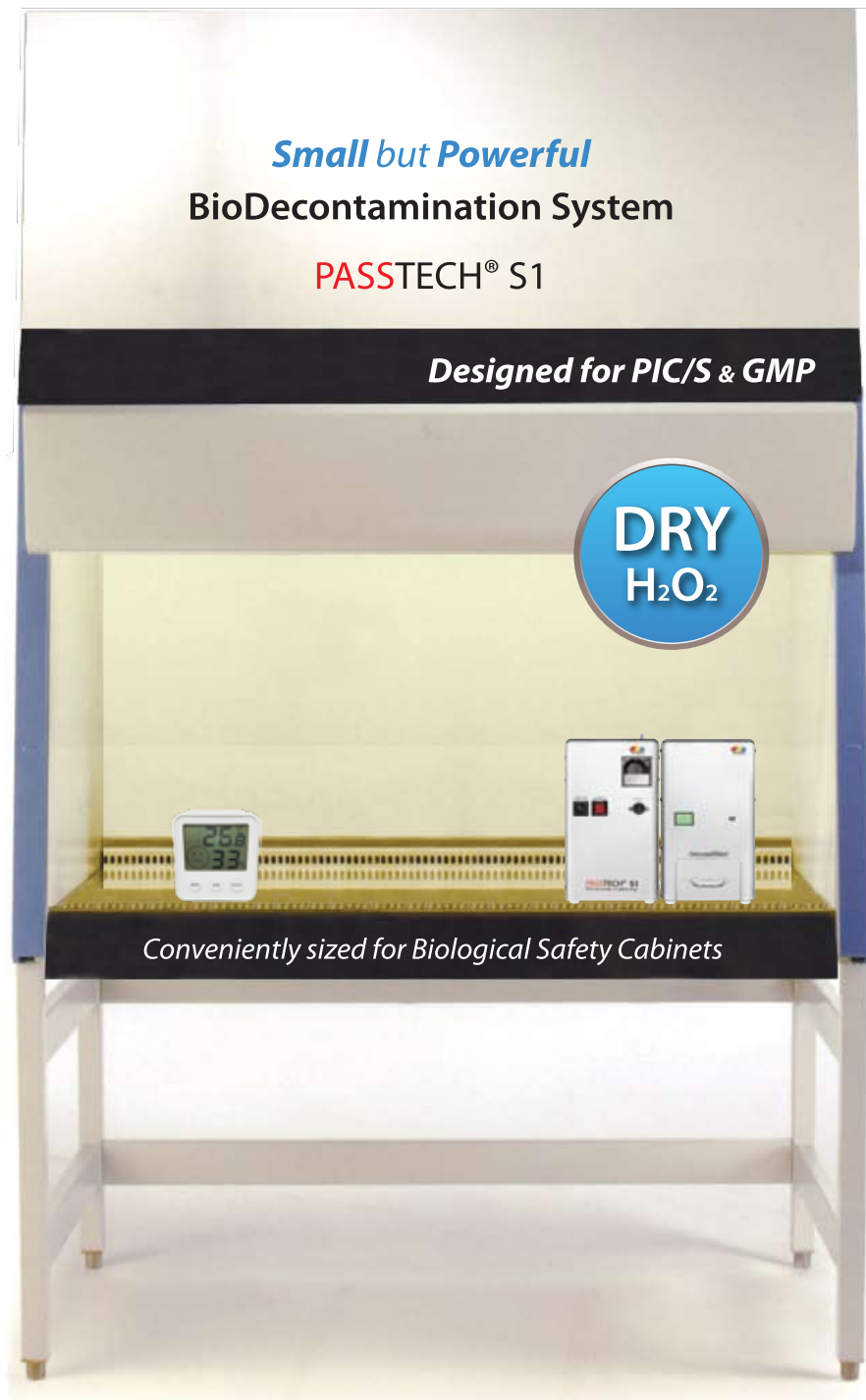


Introducing the OPTIMA **PASSTECH**® S1 BioDecontamination System

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



Applications :

- Biological Safety Cabinets
- Pass-through Chambers
- CO₂ Incubators
- R&D Isolators
- Glove Boxes
- Freeze Dryers
- Animal Labs
- Small Enclosures



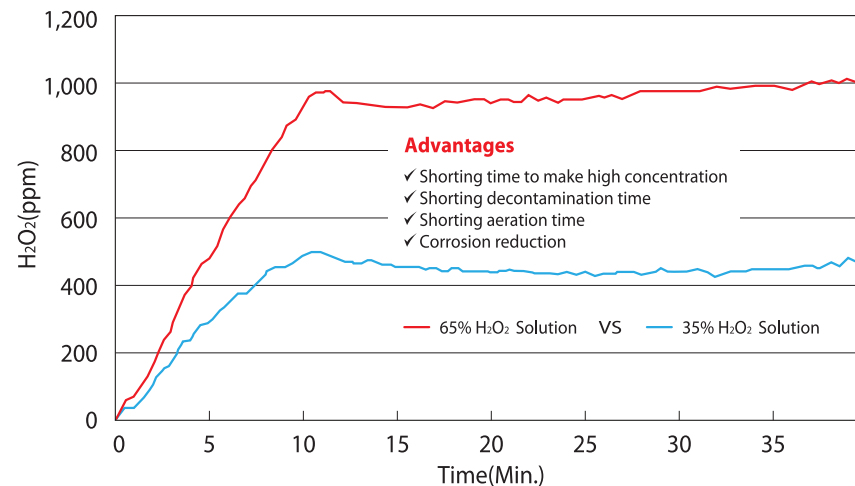
www.optima-japan.jp

■ H₂O₂ Generator



- Decontamination Space
H₂O₂ 35% : Max. 1m³
H₂O₂ 65% : Max. 12m³
- Vaporization Temperature : 150 °C
- Injection Rate : 0.6mL/min
- Electrical : 100 ~ 240V, 50/60Hz
- Dimensions (W × D × H) :
130 × 130 × 231 mm

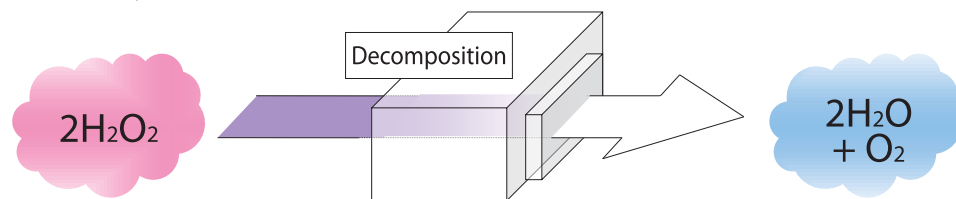
Why Concentrate H₂O₂ 65%?



Manufacturer's Data - Best Available

- Advantages**
- ✓ Shorting time to make high concentration
 - ✓ Shorting decontamination time
 - ✓ Shorting aeration time
 - ✓ Corrosion reduction

■ Catalyst



➤ Exhaust Gas Treatment

➤ Design Example

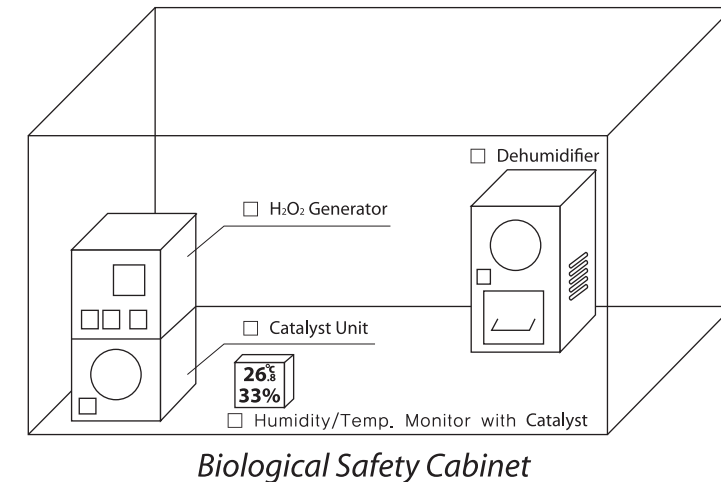
- SV : 10000~20000 HR⁻¹
- Supply Concentration : 100~1000 ppm
- Decomposition Efficiency : More than 99.9 %
- Room Temperature : 20~40°C
- Humidity : Less than 80 RH%



■ 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(10⁶)
2. CI(Chemical Indicator)*
Johnson & Johnson STERAD ForeSure CI
3. H₂O₂ 35% Standard Solution(500mL)*
4. Circulator*
5. Compact H₂O₂ 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.



20mL Syringe

H₂O₂ 35% Standard Solution(500mL)



Circulator



Humidity / Temp. Monitor with Catalyst