

**Taikisha Develops Groundbreaking New
Hydrogen Peroxide-Based Decontamination System
(Product Name: Hyper Drydeco)**

Taikisha Ltd. (Headquarters: Nishishinjuku Shinjuku-ku Tokyo, President: Eitaro Uenishi, hereinafter referred to as “Taikisha”) has developed a revolutionary new decontamination technology system to clean rooms within various facilities, including germ-free formulation factories and animal experiment laboratories, as well as virus and recombinant DNA experiment facilities, utilizing vaporized hydrogen peroxide.

Traditionally, decontamination systems that utilize hydrogen peroxide have only rarely been used for manufacturing rooms, which contain a large number of equipment and materials, such as building materials and manufacturing equipment, due to the corrosive nature of hydrogen peroxide. Our newly-developed system of HYPER DRYDECO, however, allows full decontamination for clean rooms to be achieved in a safe and reliable manner without attacks due to corrosive action of hydrogen peroxide on any materials or equipment installed.

1. Development Background

In order to ensure a clean environment, germ-free formulation factories, animal experiment laboratories, virus and recombinant DNA experiment facilities, and other buildings are required by law to conduct indoor decontamination. However, the revised Ordinance on the Prevention of Hazards Due to Specified Chemical Substances went into effect on March 1, 2008, making it extremely difficult to manage the operation of these facilities in a manner complying with laws and rules through traditional indoor decontamination systems that use formaldehyde. For this reason, Taikisha launched research into alternative substances to formaldehyde and focused on hydrogen peroxide due to its high decontamination performance with far greater safety for operators than formaldehyde. Due to its corrosive nature, it has been difficult to use hydrogen peroxide for decontaminating manufacturing rooms, which contain a large number of equipment and materials. After reviewing the research results, it was determined that hydrogen peroxide can be used practically and safely even in manufacturing rooms and we decided to work jointly with Takeda Pharmaceutical Company Limited to develop the new system.

2. Features of HYPER DRYDECO

A newly developed total-drying method (*1) that inhibits the corrosivity of hydrogen peroxide. It is a safe and reliable decontamination system that utilizes PAT (*2).

1) Reliability

Complete smooth decontamination cycle can be made with vaporized hydrogen peroxide applying to PAT based on a large amount of validation data on the ground of science.

2) Corrosion inhibition

It conducts decontamination using the newly developed absolute-drying method with little damage to building materials and manufacturing equipment.

3) Safety

It is a safe system that allows decontamination with hydrogen peroxide at low concentrations, which has greater safety for operators than formaldehyde.

4) Shorter Operation Cycle Time

The autolysis of hydrogen peroxide will allow decontamination to be completed in a shorter recovery cycle time than any formaldehyde-based systems.

*1 Total-drying method

A method for preventing hydrogen peroxide from condensing on object surfaces in indoor areas, such as on walls, during decontamination. Process Analytical Technology: a system that conducts analysis and management based on real-time measurements to ensure quality.

*2 PAT

Process Analytical Technology: a system that conducts analysis and management based on real-time measurements to ensure quality.

3. Basic Configuration and Mechanism of HYPER DRYDECO

1) Hyper 9: indoor environmental analysis software developed by Taikisha

HYPER DRYDECO uses our uniquely-developed analysis software, Hyper 9, to accurately estimate hydrogen peroxide conditions existing within a room. Through the control of hydrogen peroxide input, temperature, and humidity based on the analysis results, it ensures that decontamination is conducted based on the absolute-drying method.

2) Decontamination system based on our total engineering technologies

HYPER DRYDECO was developed based on our total engineering technologies throughout the planning, design, and construction stages of the decontamination system, and decontamination performance is guaranteed through the use of PAT and based on a wealth of data and other factors.

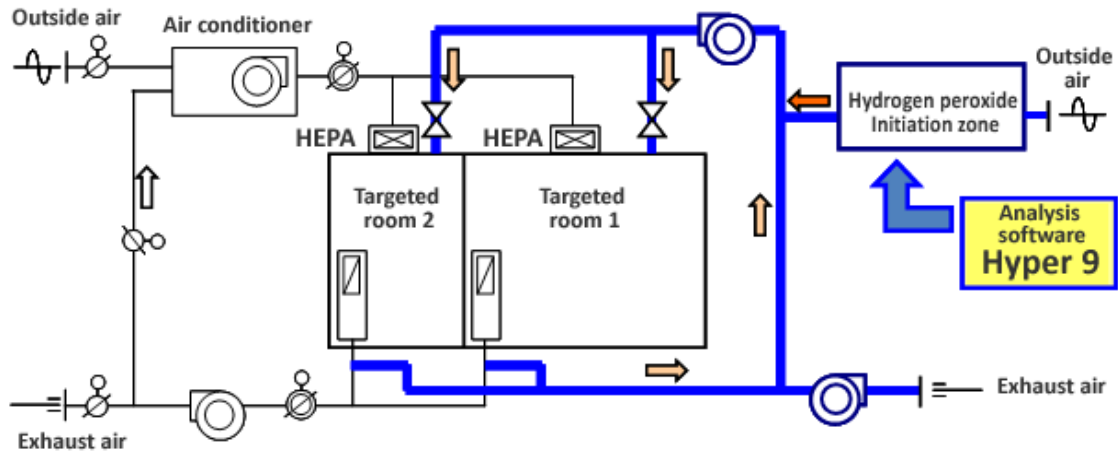


Image 1 HYPER DRYDECO Configuration Chart



Image 2 Sample Examination Device

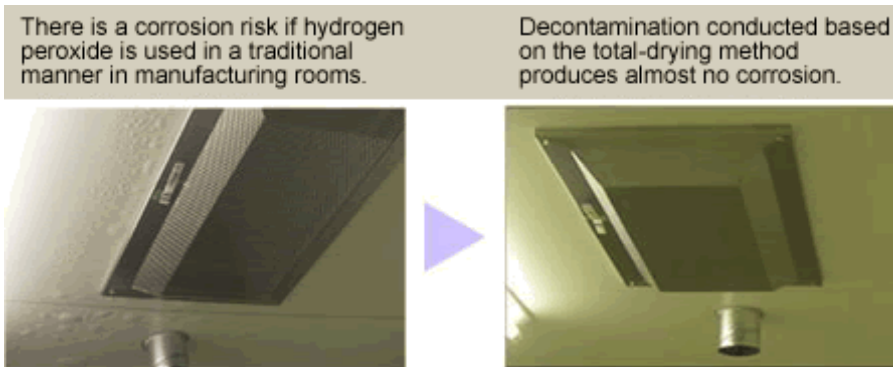


Image 3 Effects of HYPER DRYDECO

4. Future Sales Plan

We plan to register a trademark for this new technology, "HYPER DRYDECO", and make aggressive proposals for the use of this system in germ-free formulation factories and animal experiment laboratories, as well as virus and recombinant DNA experiment facilities.

5. Display at the Exhibition

June 30th, 2010 (Wed) to July 2nd, 2010 (Fri)

HYPER DRYDECO will be exhibited at the 23rd INTERPHEX JAPAN held at East Exhibition Hall 17-45 at Tokyo Big Sight.