TOMIGUNN VAPOR

PROPANE-FIRED HIGH-PRESSURE STEAM CLEANER

EFFECTIVE STEAM STERILIZATION

TOMIGUNN VAPOR's steam delivery method is exceptionally effective for cleaning and sterilization, penetrating and cleaning areas typically inaccessible to wet steam or liquid-based methods.

STEAM OUTPERFORMS CHEMICALS

Chemical methods to reduce harmful microorganisms are costly and ineffective, failing to reach tiny crevices. Only dry superheated steam can deeply penetrate and eliminate these microbial hideouts.

COST EFFECTIVE

TOMIGUNN VAPOR reduces labor costs by about one-third, eliminates chemicals, lowers expenses, decreases pathogens, improves environment, enhances performance, prevents corrosion, extends reliability.

Accessories for the TOMIGUNN VAPOR steam cleaners.

CALL US FOR MORE INFO

+1 864 705 3653

info@tomigunn.com

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ULTRA PERFORMANCE

> **TOMIGUNN VAPOR is designed to sanitize surfaces using dry, saturated steam.**

High Pressure Steam Cleaner

TOMIGUNN VAPOR is an advanced propane-fired high-pressure steam cleaning system engineered for sanitizing surfaces using superheated dry steam.

It operates in three models: 250, 600, and 1300 PSI, generating steam by heating water above its boiling point of 212°F, resulting in dry, saturated steam.

This steam type is exceptionally effective for cleaning and sterilization as it can penetrate and clean areas that are typically inaccessible to wet steam or liquid-based methods.

Reducing Poultry House Pathogens

The TOMIGUNN VAPOR system is particularly advantageous in poultry housing, where cool cell systems can harbor pathogens. Regular use of TOMIGUNN VAPOR not only cleans effectively but also promotes healthier surroundings by reducing the presence of harmful bacteria and prolonging the intervals between their resurgence.

Effective Sterilization Method

Saturated (dry) steam under pressure is widely acknowledged as the most effective and reliable method for sterilization. It is praised for being highly effective, non-toxic, inexpensive, safe, and straightforward to use.

Steam delivered at temperatures exceeding 260 degrees Fahrenheit has the capability to eliminate nearly all types of microbes upon direct contact. TOMIGUNN VAPOR steam cleaners excel in this regard, achieving temperatures up to 380 degrees Fahrenheit to ensure thorough sterilization.

Super Heated Dry Steam

Dry steam, also known as saturated steam, is produced in a closed boiler chamber. Steam is created when water reaches the boiling point of (212°F). With additional heating, it is then vaporized, becoming superheated dry steam.

In this state, dry steam is a gaseous form of water that carries heat and travels around and into areas unreachable using wet steam or other liquid means.

Steam dryness has a direct effect on the total amount of transferable heat energy contained within the TOMIGUNN VAPOR. This affects the heating efficiency and steam quality. The steams dryness fraction is used to quantify the amount of water within the steam. If steam contains 5% water by mass, it is said to be 95% dry.

Biofilm Stripping Steam

Many harmful pathogens are often protected beneath protective biofilms. The TOMIGUNN VAPOR uses superheated dry steam to strip away these biofilms, effectively eliminating any microbes they may be harboring. This process is crucial for achieving a comprehensive cleanliness and ensuring the elimination of potential health hazards.

The extreme heat produced by the TOMIGUNN VAPOR generates nano-sized steam molecules that can easily penetrate even the tiniest surface pores. This capability allows for a thorough cleaning process that not only sanitizes but also degreases and deodorizes surfaces in a single, efficient step.

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Forceful Steam Action

The nano-sized steam molecules of superheated dry steam react forcefully upon contact with cold surfaces. This reaction results in the expulsion of debris and the efficient eradication of pathogens and microorganisms. This dual action of deep cleaning and sterilization makes TOMIGUNN VAPOR highly effective for maintaining clean and hygienic environments.

Microbial Eradication

Chemical methods aimed at reducing harmful microorganisms are often costly and largely ineffective. Chemical agents and disinfectants are unable to access the tiny cracks and crevices where these organisms reside. Only dry superheated steam has the ability to penetrate deeply into these microbial hideouts.

TOMIGUNN VAPOR's superheated dry steam effectively eliminates mold by penetrating down to its roots, thereby destroying the organism's ability to regenerate.

It also removes airborne pathogens and allergens such as pollen, mold, and dust mites.

Cool Cell Sanitation

In poultry housing, the cool cell system is particularly susceptible to microbial infiltration. The hydrothermal conditions within cool cells provide an ideal environment for pathogens, mold, and mildew to flourish. Regular cleaning of cool cells with TOMIGUNN VAPOR effectively eliminates these propagating pathogens.

Propane-Fired
High-Pressure
Steam Cleaner

Chemical-Free Sanitation

TOMIGUNN VAPOR uses only water to sanitize surfaces, making them environmentally safe for use in any application and environment. These systems do not produce chemical smells or noxious fumes during operation, leaving surfaces with a naturally clean and fresh smell.

Using the TOMIGUNN VAPOR steam cleaner eliminates the risk of personal contamination or harm from the application of chemicals or disinfectants. Dry steam effectively breaks down biofilms, grease, dust, mold, or fungus on surfaces without requiring protective gear or breathing apparatus.

There is no need to dispose of leftover containers or utilize other environmental disposal methods after using TOMIGUNN VAPOR.

Cost-Saving Cleaning

Using the TOMIGUNN VAPOR reduces labor costs by up to 30% through efficient and thorough cleaning, which reduces cleaning time and effort. It eliminates the use of chemical disinfectants, directly lowering operational expenses.

Additionally, TOMIGUNN VAPOR systems decrease airborne pathogens, improving the livability of the environment, and enhance the performance of cool cell systems.

TOMIGUNN VAPOR also reduces equipment failures by effectively cleaning surfaces, preventing corrosion, and minimizing contamination risks, thereby extending equipment longevity and improving reliability.