

Green is “hot”

Steam vapor cleaning: Versatile tool for a healthier indoor environment

By **RICK HOVERSON**, principal of Advanced Vapor Technologies

Few tools in your cleaning arsenal can do it all — carpets, grout, hard surfaces, plus disinfection and deodorization — while also being truly green. Steam vapor equipment in the right configuration accomplishes these goals and more, including mediating infection risks from MRSA and other emerging pathogens.

Green carpet care

Among the benefits of vapor cleaning carpets is that it cleans and sanitizes without chemicals, kills molds and pathogens, deodorizes, leaves no residue, causes no noticeable change in texture or appearance of the face fibers, and dries in 15 to 20 minutes, much faster than traditional extraction cleaning. It is best suited to smaller areas of carpeting, such as that in homes or offices, and is especially effective for carpet spotting.

Green grout and hard-surface care

Steam vapor also enables deep cleaning of grout and other

porous and non-porous surfaces — without harsh chemicals or hard scrubbing — removing deeply embedded or sticky soils and eliminating mold at the source, all in less time and with fewer chemicals than required by traditional methods.

Green disinfection and deodorization

Lastly, newer types of steam vapor equipment disinfect surfaces in less time than required by topical chemical disinfectants, and with a higher margin of user safety, eliminating infection risks due to contamination by emerging pathogens such as MRSA, VRE and *C. difficile* endospores.

David Mudarri, Ph.D. and former senior indoor air quality scientist for the U.S. Environmental Protection Agency, suggests that, “[newer] steam vapor technology has resolved the dilemma posed by cleaning and disinfecting agents that must use potentially harmful chemicals and/or long dwell times to be effective.

Those interested in green cleaning, health and the environment, should review the data validating this new technology using treated steam vapor from tap water as the only ingredient. Tests consistently demonstrate effective disinfection of a variety of bacteria, viruses and mold with a seven-second application of the system.”

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Coming up...

CM/Cleanfax® will take a look at disinfectants, content restoration, and odor control in the March 2008 issue's Product Focus layout.



Advanced Vapor Technologies

TANCS® system



Independent scientific tests conducted at Microbiotest Labs, VA, Nelson Labs, UT, and Antimicrobial Test Lab, CA, show that Advanced Vapor Technologies' TANCS® Steam Vapor low-moisture system is a fast, chemical-free, waterbased green method for destroying bacteria, mold and hard-to-kill pathogens in classrooms, offices, hospitals, etc. The TANCS system removes minerals from water within the steam vapor unit and converts them to heat-energized nano crystals that accelerate the destruction of microorganisms. Recent tests demonstrate effective and complete disinfection with a 3 – 5 second application, including pathogens such as MRSA, VRE and *C. difficile* endospores.

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