

air:scrubber PLUS®

WITH FRIENDLY CLEANER TECHNOLOGY®



DID YOU
KNOW:

80 % of germs
BACTERIA
& **Viruses**

are transmitted by the surfaces

WE TOUCH
-webmd.com



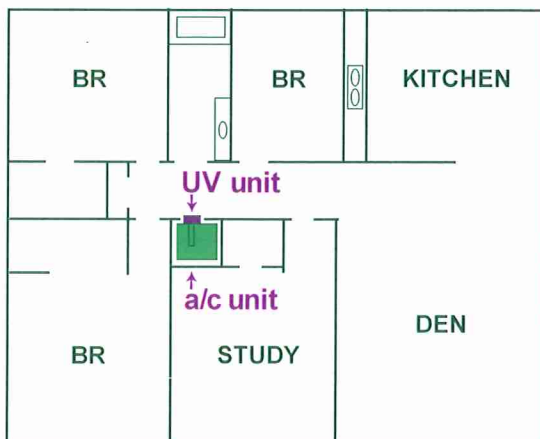
www.AirScrubberPlus.com

Technology Comparison

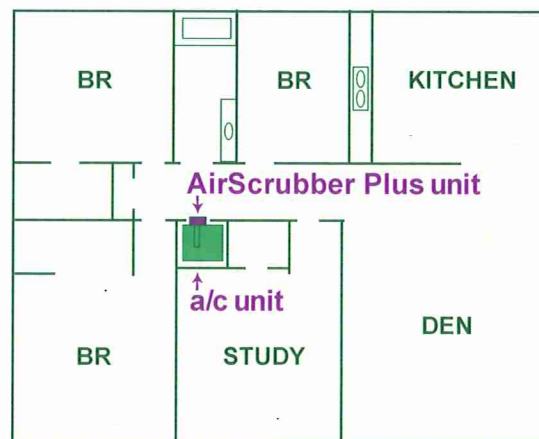
You may have already heard of other types of clean air technology, however we'd like to show you a quick comparison of systems.

UV Bulb Comparison

STRUCTURE USING
"Germicidal UV" bulb



STRUCTURE USING
"AirScrubber PLUS®"



TECHNOLOGY COMPARISON

Using UV Bulb

Using AirScrubber PLUS®

Control Space	0.95 ft ³	16,000 ft ³
Microbe Reduction (Entire Structure)	No	Yes
Particulate reduction (Entire Structure)	No	Yes
Odor reduction (Entire Structure)	No	Yes

Passive Technology Comparison

The idea behind passive technology is to systematically circulate the air in the home through a filtration system. However, this system fails to clean surfaces, especially those that have been touched. With the AirScrubber PLUS® the air as well as all surfaces in the structure receive cleaning.

Question:

Can an **Electrostatic Filter** suck bacteria from...

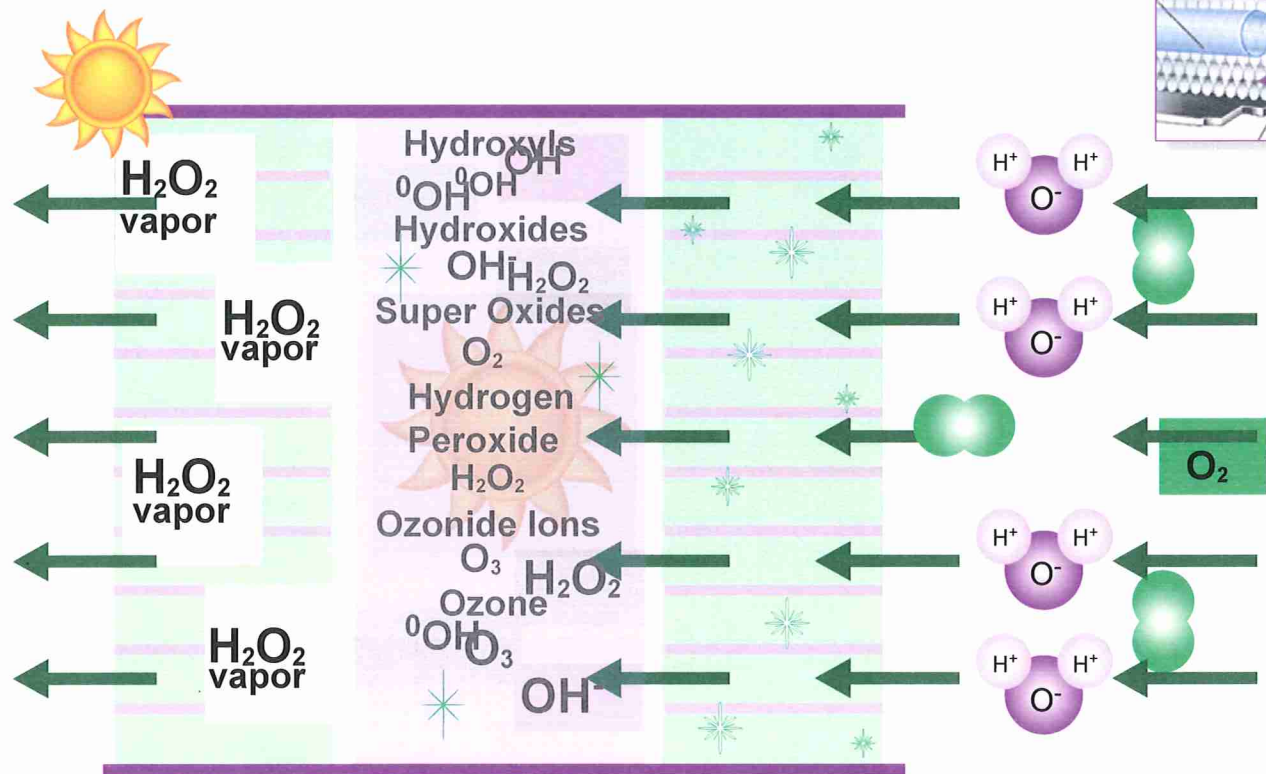
...a door knob?

...a countertop?

...any surface?



Photocatalytic Process



Provides 24hr a Day Treatment

Kills germs on surfaces like doorknobs, toilets, kitchen counters and in pet areas.
AirScrubber PLUS® can tackle odors caused by Smoke, Pets and Food.



Reduce Everyday Odors

HOME IMPROVEMENT ODORS:

- Construction Projects
- Paint
- Glue
- Plywood
- New Carpet
- Chemicals



Active Pure Technology



Scientifically Tested

Tested by the most highly respected labs in this industry.

KANSAS STATE UNIVERSITY

Dr. James Marsden

Regents Distinguished Professor
Microbial Reduction on Surfaces
(Mold, Bacteria & Virus)

UNIVERSITY OF CINCINNATI

Dr. Sergey Grinshpun

Department Head,
Center for Health-Related Aerosol Studies,
Department of Environmental Health
Reduction of the Aerosol Particle
Concentration Airborne Microbial Reduction (Virus)

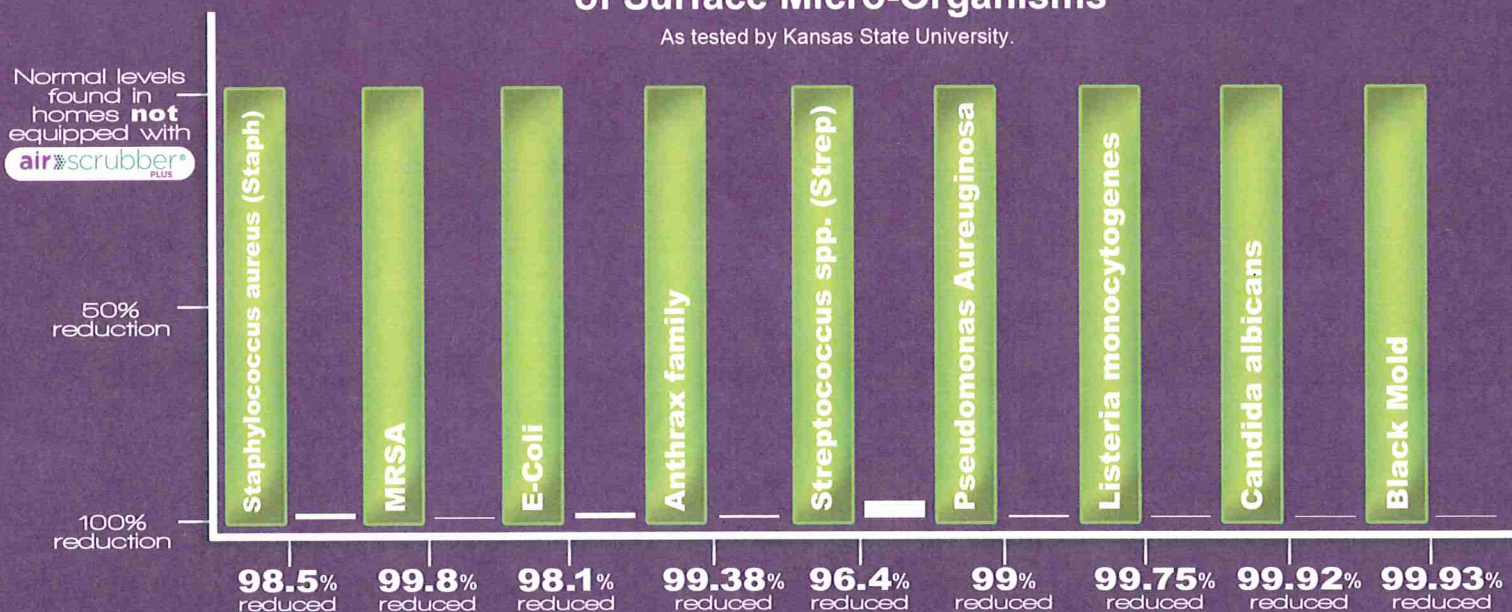
REDUCES APPROXIMATELY **90%** OF AIRBORNE MICRO ORGANISMS.

Kansas State University Testing

Ability of Unique Photocatalytic Device to Reduce Microbial Populations on Surfaces in 24hours.

99.9% Reduction of Surface Micro-Organisms¹

As tested by Kansas State University.



¹ Study conducted by Dr. James L. Marsden, Kansas State University. Published in the Journal of Rapid Methods & Automation in Microbiology 15 (2007). Test results on MRSA Superbug and Avian Bird Flu H5N8 were based on surface cleaning. In a separate study, Dr. Jill Bieker, a researcher from the U.S. National Nuclear Security Administration's Sandia National Laboratories, assisted Dr. Marsden with the testing on Avian Influenza (H5N8).

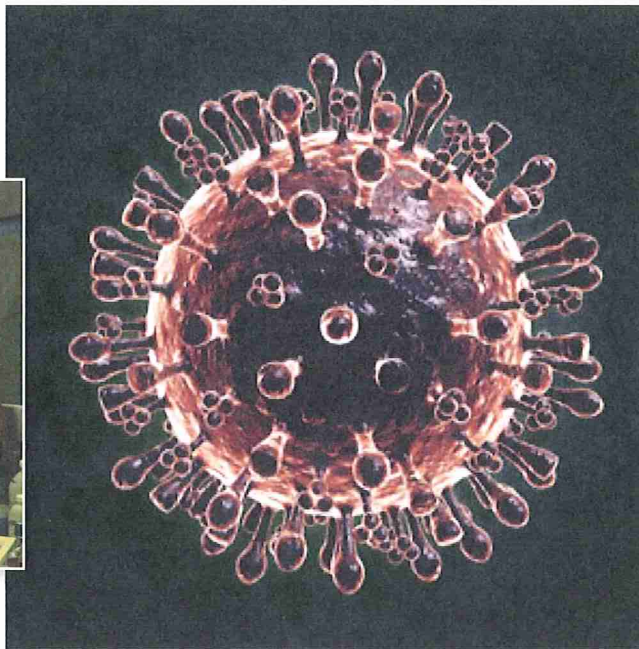
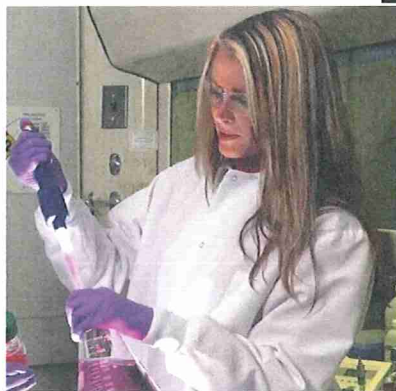
Avian Flu Testing

Tested by the most highly respected labs in the industry.

**SANDIA NATIONAL
LABORATORY**

Dr. Jill Bieker

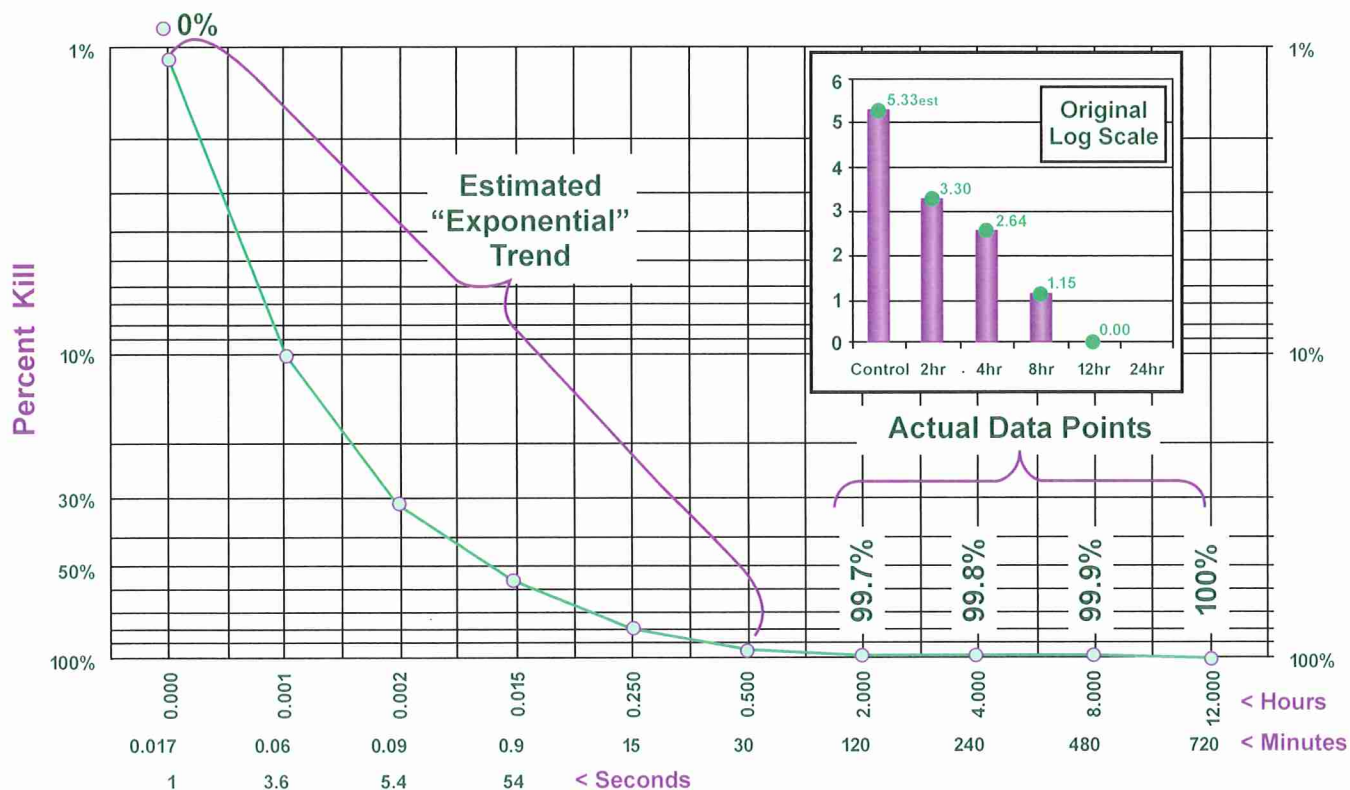
Spring 2006



KSU Avian Flu (H5N8 Summary)

Stainless Steel Coupon - Percent Kill on Surfaces - After Exposure to RCI Technology

Dr. James Marsden - Kansas State University 2006



Preliminary Results

Hospital Test Data

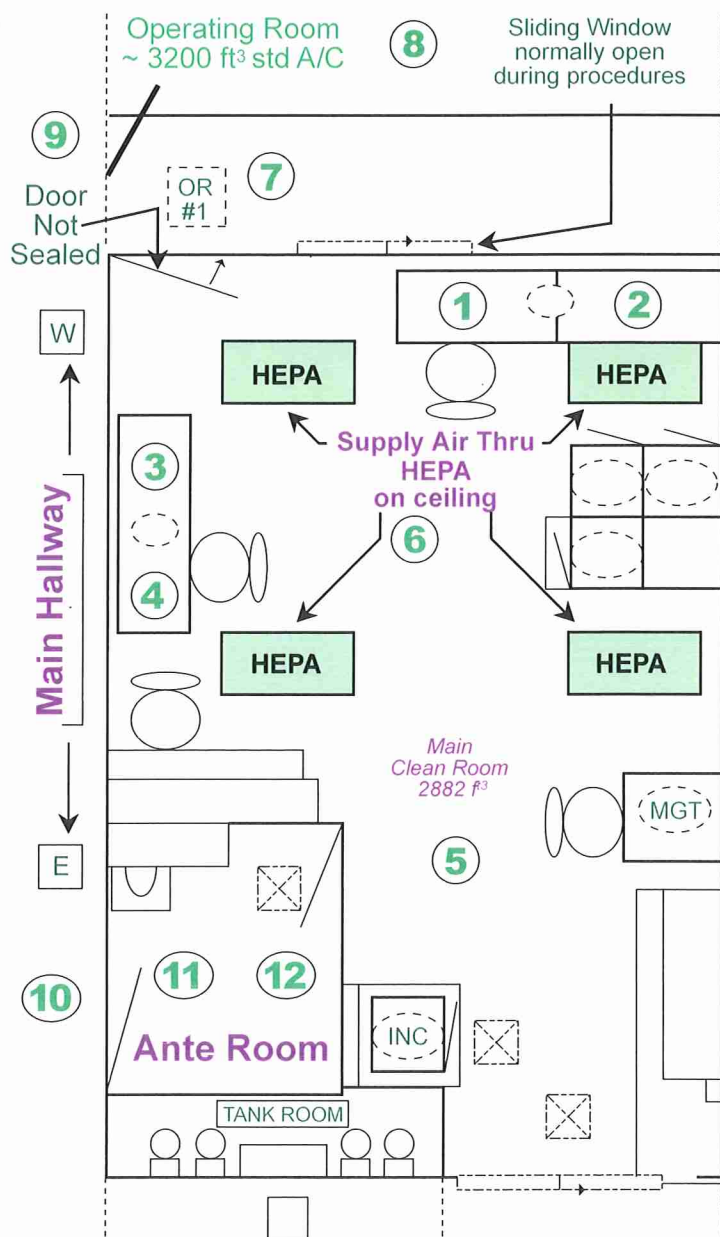
Test data from an Invitro Fertilization Lab in a Large Midwestern Hospital Clean Room in USA.

Air Quality Survey

Test data as received from:

OB/GYN-IVF LAB

June 8, 2006



Loc	Class	Before/m3	After/m3	Imp %
01	5	1391.4	77.7	94%
02	5	692.2	21.1	97%
03	5	621.5	7.1	99%
04	5	374.3	7.1	98%
05	6	11,569.1	2,366.1	80%
06	6	22,236.5	332.0	99%
07	7	337,161.9	165,484.6	51%
08	7	249,121.4	153,887.2	38%
09	8	1,614,245.0	334,401.6	79%
10	8	1,304,842.0	373,078.3	71%
11	7	247,614.7	53,614.7	78%
12	7	203,518.4	50,302.2	75%

All particle counts were taken in accordance with ISO 14644-1 standards.

Microbial Colonies

Before and After installation of:

airscrubber
PLUS[®]

WITH FRIENDLY CLEANER TECHNOLOGY[®]

#	LOCATION	BEFORE	AFTER
1-2	Horizontal Flow Clean Bench	0	0
3-4	Horizontal Flow Clean Bench	0	0
5-6	Main Clean Room	14	0
7-8	Operating Room	9	0
9-10	Hallway	27	8
11-12	Ante Room	23	15

Research Based upon:

- Particulate count/m3 measured @ 0.5 um
- Typical office 2-3 million/m3 @ 0.5um
- Before and After Data using: Two 9" AirScrubber PLUS[®] units in A/C ducts.

Clean Environment Technologies

The Environmental Protection Agency ranks indoor air pollution among the top five environmental health risks and states "The best way to address this risk is to control or eliminate the sources of pollution...". Working to reduce or eliminate pollution at its source is the foundation of activTek's air purification line. We provide environmental conditioning products that actively work out in the environment, taking the solution to the source, where it's needed most. activTek products utilize three innovative, active technologies to clean and disinfect the air of homes and offices: ActivePure Technology, ozone and ionization.

ActivePure Technology

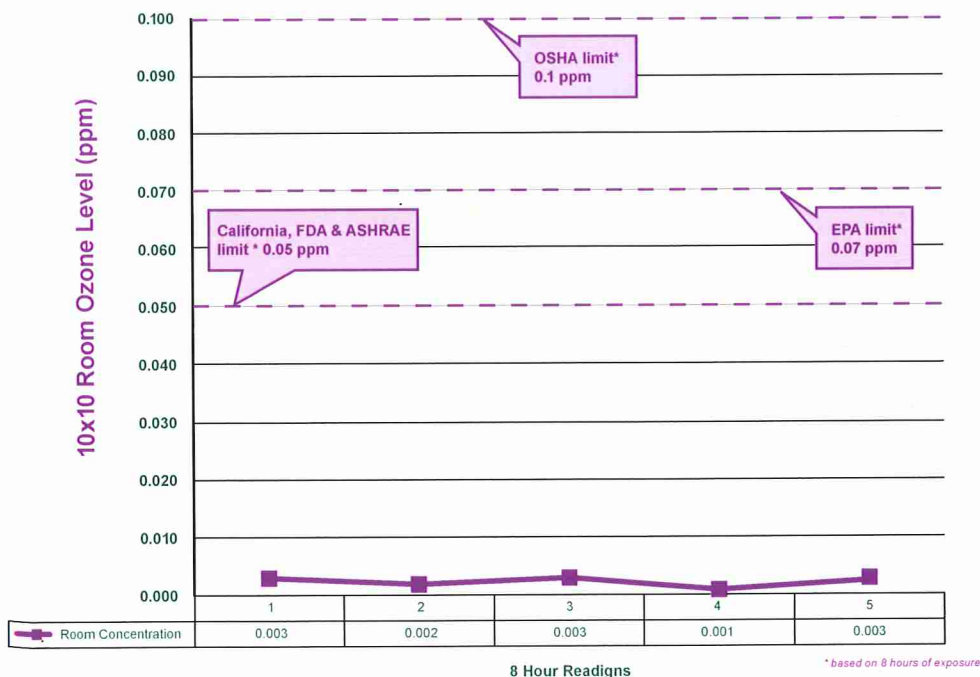
The ActivePure process involves a target surface; in this case a honeycomb cell coated with our proprietary formulation of non-nano titanium dioxide and several transition elements. A broad spectrum UV

light source of 185-400 nm is located adjacent to the "target" cell. Oxygen and water molecules in the air react with the UV and coated cell to produce superoxide ions, hydroxyls and Hydrogen peroxide. Hydroxyls, peroxide and even ozone are among the strongest oxidizers known.

Ozone

Ozone is in the air we breathe every day. Globally, ozone has a long history as a disinfectant. We use it in America to purify our municipal drinking water, swimming pools and spas. Ozone is widely used in the heating, ventilation, and air conditioning industry (HVAC) for disinfection. It has been successfully used in for many years in homes or office areas to destroy mold, mildew, fungi and smoke odors. activTek products which have been designed to create ozone are safe when installed and used properly. Induct units provide control of many odors and microorganisms while maintaining levels well below the US EPA and California EPA exposure limits.

Installed AirScrubber PLUS® O³ Concentration in Application



Ionization

Ions do not form on their own, but are created by the effect of energy. Energy sources that create ions are the sun's radioactivity, electricity, or friction. Negative ions are generally produced in large numbers in situations where

water evaporates. After a rainstorm, the air will typically be rich in negative ions. This is nature's way of cleaning the air. activTek products emulate nature by cleaning the air with negative ions created electrically and/or through friction.

air[®]scrubber[®]

PLUS[®]

WITH FRIENDLY CLEANER TECHNOLOGY[®]

Certified Space Technology



activTek air purification products use a variation of technology originally developed in cooperation with NASA for use on the International Space Station.

The Certified Space Technology logo is licensed to activTek by the Space Foundation.

The Space Foundation recognizes products whose origins come directly from technology or resources derived from the space program.

AirScrubber PLUS[®] Authorized Factory Representatives

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For the nearest office, call:
803-424-0103

Please call 803-424-0103 for your nearest stocking HVAC Supply House.

