

“Costs are cut dramatically and superbugs like MRSA, *C. diff*, *Aspergillus niger*, HIV and Hepatitis are destroyed”

A unique new laundry system - The Aqua-Fusion System - is revolutionizing the laundry industry by dramatically cutting costs and killing bacteria including dangerous superbugs such as MRSA, *C.diff*, *Aspergillus niger*, HIV, and Hepatitis.

By Shabbot O'Neil

This new system is the direct result of more than a decade of development and has been successfully verified throughout the Northeast.

Aqua-Fusion has been launched by Aquawing the leading supplier of Ozone Technology & commercial laundry equipment in the Northeast.

Aquawing in collaboration with other world leading laundry engineers, carried out an intensive study of care home laundries, which revealed very serious shortcomings.

Although the vast majority of homes have washing machines equipped with the capability to disinfect contaminated laundry through hot water wash

programs, the study established that user error or inexperience of staff indicates incorrect cycles are frequently being used.

“It’s all very well having washers with hot wash programs,” says Aquawing’s Director of Engineering, Dave Spofford. “but, while these programs do kill bacteria, they do not kill *all* the bacteria, *all* the time. Quite simply, hot water washes do not kill all the dangerous superbugs on every wash.

Furthermore, by monitoring washers around the clock, we discovered that in many instances, contaminated laundry was being processed at low temperatures, which had no chance of killing bacteria. In other cases, hot water cycles were cut short, to



Dr. Richard Neale, B.Sc, PhD, MIChemE

tally defeating the objective.

In a climate where care home residents are becoming increasingly at risk from so-called superbugs such as MRSA, *C.diff* and *Aspergillus niger*, this is, of course, totally unac-

ceptable. We felt that a completely new approach to the way care homes process their laundry was needed.”

The resultant revolution is the Aqua-Fusion Ozone System, an environmentally friendly system,

which mainly uses cold water, but utilizes our patented *inter-fusor* to achieve a total bug kill on every cycle at an extremely low cost.

Accredited microbiologists were commissioned to carry out independent tests, which included laboratory analysis of typically processed care home laundry items using traditional programs.

While the tests established that Aqua-Fusion killed bacteria including the spore-forming superbugs MRSA, *C. diff* and *Aspergillus niger*, HIV, and Hepatitis on all cycles, the results from conventional machines using temperature only cycles were alarming.

Mr. Spofford says, "After we conducted many washes below 140°F, there was so much bacteria in items including pants, a cardigan and a blouse that it was actually too numerous to scientifically count!

C. diff was found on items such as underwear, pajamas and towels washed at the same temperature. It was also found on a towel, a face cloth and two pairs of underwear 'disinfected' at 167°F degrees.

The implications of *C. diff* remaining on a towel in particular are disturbing to say the least."

As the microbiologists carried out their tests, technical experts were closely monitoring the performance of Aqua-Fusion in the laundries of care group homes of varying sizes.

The financial savings were *phenomenal* (The averages found can be seen at the top right corner).

Says Mr. Spofford, "Our initial reaction was that the savings were too good to be true. We were obviously skeptical, so we checked again and again, but found that they were completely accurate.

The massive savings in utilities are largely due to the fact that Aqua-

Fusion mainly uses cold water. Labor costs are cut substantially because wash cycles are shorter and the way loads are processed leaves them less waterlogged, thereby dramatically reducing dry times. Coupled with the reduced drying times, the wash process uses considerably less detergent than traditional programs and increases linen life.

All indications are that the combination of big savings and complete peace of mind will make the Aqua-Fusion System an absolute must for every professional care home.

Average Savings

Labor 30%

Gas 85%

Linen 20%

Electric 15%

Hot Water 85%

Total Water 35%

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Providing a safer laundry for everyone

For More Information: 888.296.4777