

CHAMBER TESTING - A STATUS UPDATE ON MULTI-PASS AIR FILTRATION TESTING FOR IAQ

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The traditional single pass testing of air filtration products has served our industry well for many years. The phrases and terminology related to it are old and comfortable - and the marketing of the products are conventionally embraced by most levels of the IAQ (indoor air quality) value chain.

However, like many aspects of our world, there are better ways to achieve meaningful results. As an industry, we have focused far too much on the quantified elements of this "static" testing mentality and the narrow perspective that they bring - with little or no consideration of test methods that would make use of the way these devices and products are actually used.

This presentation will enlighten the observer with detailed progress that has been made in privately developing a new test method. One that makes use of "multi-pass" application - the way most of these products are actually used in service. This "chamber testing", as we have labeled it, is a protocol using recirculating air and air exchange rates to provide true "dynamic" assessment of indoor air quality.

We hope to pass along our philosophy and solicit input from the audience on how to improve it even further.