

## ACCELERATED OZONE TESTING SYSTEM



### KFG-2445

A test chamber system for accelerated testing for colorfastness of textile or durability of rubber and plastic material due to long term exposure to ozone. The instrument is based on the most advanced ozone generation and monitoring technologies, making it the most accurate and reliable system of its kind on the market.

It consists of several modules that are seamlessly integrated: the ozone generator, the monitor, the controller, the test chamber, and the built-in safety interlocks module which includes a built-in ozone destruct. This makes the system extremely easy and safe to install and does not require any fans or hood.

The ozone generator is based on silent corona discharge technology that produces the very high and exceptionally stable ozone concentrations levels typically required. The level of ozone generated is monitored by a built-in monitor based on state of the art UV light absorption technology. It is highly accurate and NIST traceable. The generator and monitor are controlled by a built-in microprocessor based, closed loop controller that is user programmable.

The test chamber is constructed of stainless steel and fitted with a carousel that can hold up to 24 specimens simultaneously. Once samples are placed in the chamber, the user enters test start time, duration, and desired ozone concentration level. The system then runs the test totally unattended. The built-in servo controller ensures the desired ozone concentration is maintained for the entire duration of the test. The carousel rotates during the test to ensure all samples are equally exposed to the desired level of ozone. The safety interlocks module prevents anyone from opening the door when levels of ozone are unsafe.

With all the above capabilities, the Ozone Test Chamber System is the most accurate, the most stable, the most compact, the easiest to use and most importantly the safest of its kind on the market.