

## OZONE AGING TEST CHAMBER



### OZONE Test Chamber

**4B TESTING EQUIPMENTS PVT LTD OZONE AGING TEST CHAMBER** is a related setting where components material or Product are tested for resistance to response to ozone exposure. It evaluates. Its Evaluated how different items might function or deteriorate over time when exposed to ozone by simulating ozone-rich conditions. Understanding how materials respond to ozone is crucial for sectors like Electronic, Aerospace and Automotive. These testing Chamber are helpful in the Ozone aging Process.

**4B TESTING EQUIPMENTS PVT LTD** is one of the best Manufacturers ozone resistance device is used for antioxidant testing for rubber and rubber products to meet the relevant standards.

### 2. Performance:

Ozone concentration: 50~ 1000 ppm

Ozone concentration deviation: GB 10%

Test compartment temperature: Room temperature ~ +60 °C

Temperature uniformity:  $\pm 2$  °C

Relative humidity: over measurement range 60%

Sample holder rotation speed: 0 ~ 50 mm/s

Dynamic pulled frequency: 0.5Hz; new sample holder (each fixture can be installed to meet the test of tensile dumbbell type I and the actual work piece)

Test gas flow: 0-80L / min.

## 5. Machine size and model:

| size<br>model | Inner box size(WXDXH) | Carton size(WXDXH) |
|---------------|-----------------------|--------------------|
| SM-150CY      | 500X500X600mm         | 1250X950X1550mm    |

## 6. Performance index:

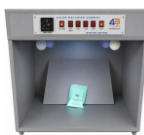
|                         |                                           |
|-------------------------|-------------------------------------------|
| Temperature range       | 25℃~60℃                                   |
| Ozone concentration     | 50~1000pphm or 100~300ppm                 |
| Temperature fluctuation | ±0.5℃                                     |
| Ozone control precision | ±10%                                      |
| Sample frame speed      | 360 Rotate the sample frame (Rev. 1 RPM). |

## 7. Control system:

|                              |                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------|
| Controller                   | Color LCD touch screen controller                                                   |
| Time Unit                    | H. M. S. selectable up to 9999h                                                     |
| Ozone concentration analysis | Inlet concentration analysis regulator, 4 ~ 20mA output                             |
| Ozone generator:             | high voltage silent discharge point tube                                            |
| Acquisition system           | imports of South Korean imports of programmable controllers, measuring module       |
| Heating system:              | completely independent systems, nickel-chromium alloy electric heating water heater |
| Ozone concentration          | the British ozone concentration sensor with a standard signal output and sampling   |
| Ozone generator              | silent discharge type ozone generator has a low noise and high purity               |

## 8. Equipment preparation and structure characteristics

1. Air circulation device: built-circulation duct, test gas flow evenly from top to bottom parallel to the specimen surface, in line with the national standard.
2. The use of integrated ozone concentration 、temperature controller (setting mode for the touch of a button type), high integration, good reliability, LED display, display resolution temperature (0.1 ℃), humidity (0.1% RH), ozone concentration (1pphm), PID setpoint control, easy to operate.
3. Electromagnetic air pump to provide quality air, oil-free dry gas system to ensure the reliability of long-term work.

|                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| Color Matching                                                                      | Gloss Meter Triangle                                                                | Wall Thickness Gauge                                                                | Moisture Analyzer                                                                   | Carbon Black Content                                                                  | Fume Hood                                                                             |

Contact us:

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