

# CH-1 Ozone Chamber



The CH-1 Ozone Chamber is a turnkey ozone environmental chamber with a range of 0.25- 2PPM (25-200PPHM). The chamber is automated and simple to use; perfect for testing objects to meet the required testing configurations.

## CH-1 TECHNOLOGY

The CH-1 features completely automated operation, choose your desired ozone level and treatment time, then press start. Ozone levels will be maintained automatically for any period of time pre-set into the easy to use touchscreen interface with no human interaction required.

Current and past operation will be displayed on the touchscreen display. Integrated data logging is included in the system and trend graphs are available on the color display to visually determine past ozone levels and temperatures.

Ozone levels in the chamber are measure by a UV based ozone analyzer for precise measurement and control of the desired ozone levels in the chamber.

The Ozone Destruct Cycle is completed after the testing time is complete to alert users when the ozone levels are safe and the chamber can be opened.

## APPLICATIONS

- Accelerated age material testing
- Scientific studies/research
- Surface Adhesion Testing
- Product quality research
- Research and Development

Designed specifically to meet  
ASTM D 1149, ISO 1431, and  
K6259 testing standards.

### OPTIONAL CHAMBER DIMENSIONS

Chamber Volume (ft <sup>3</sup> )	Overall Dimensions (W x H x D) inches	Chamber Dimensions (W x H x D) inches
1.5	30 x 18 x 10	15 x 18 x 10
2.3	40 x 20 x 10	20 x 20 x 10
3.3	44 x 24 x 10	24 x 24 x 10
5	50 x 24 x 12	30 x 24 x 12

**LARGER SYSTEMS ARE CUSTOM BUILT TO CUSTOMERS EXACT DIMENSIONS AND ARE ALUMINUM AND STAINLESS STEEL CONSTRUCTION**

### FEATURES

- Automated Operation
- Ozone and exposure time user settable
- LCD touch screen interface
- Ozone and temperature control
- Precise Ozone Measurement
- Record data and export to a computer
- Integrated Data Logging
- Stainless Steel Housing
- Large viewing window
- Remote Monitor (Optional)
- Testing Standards: ASTM D 1149, ISO1431, K6259



### SPECIFICATIONS

Ozone Measurement Range	0.001 – 2.0 ppm (25 – 200 pphm)
Ozone Measurement Resolution	0.01 pphm
Ozone Measurement Principle	UV absorption
Ozone Measurement Accuracy	+/- 2%
Ozone Generation	UV Light
Voltage	120 Vac 50/60 Hz (2 amps)
Mounting	Bench or Wall Mount

**CHAMBERS ARE MADE IN THE USA**

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