HAMPDEN ozone chambers

703 Ozone

CLOSED LOOP AIR-OZONE SYSTEM

1) Ozone 703 Description:

All ranges are automatically Ozone Generator with concentration rang 0-500pphm. Featuring a double glazed access and inspection door w/ safety insterlocking, accessory illumination lamp.

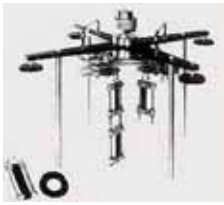
Power outlet for accessories and internal circulation fan (ASTM).

Incorporating the Hampden Closed Loop Air-Ozone System, with integral filtering of spent gasses, Controllers for fully automatic operation and control.

Temperature Ranges offered: 10°C to 90°C

Temperature control accuracy: ±1°C

Ozone concentration measurement accuracy: ± 2 PPHM.



Control accuracy：

4% of set point (± 2 PPHM at 50 PPHM)

Typical temperature and ozone recovery period following sample insertion Within 10% of set point after 15 minutes and 4% after 30 minutes.

Ozonised air flow

50 - 500 L/min infinitely variable, allowing a maximum of 3 air changes per minute and an effective velocity of 3.3 to 33.3 mm/sec.

Exposure chamber:

500 x 500 x 600mm (150L)

Test timer

Digital programmable 7 day, test start - test stop - finish and purge timer.

Dimensions(approx)：

Width:1280mm

Height:1650mm

Depth:800mm

Packed (approx): 1380 X 1750 X 1000mm

Net weight (approx): 300Kg

Gross weight (approx): 380Kg

Electrical supply:

220 - 240/1/50/60 rated at 2kVA system unaffected by variations of 10% from normal.

Test standard :

ASTM D1149 ;ISO 1431; JIS K 6301 MIL-STD-1344A ;SIS 161210;FT 46019; NGF37112; BS903 A43

2) MTPC-1 Description:

MTPC-1 meet ISO 1431; the clamps are made from aluminum ; the apparatus a mechanically-rotating carrier mounted in the test 24 single grips

3) UV absorption analyzer HUV1000 Dsc.

The basic analyser is a self-contained instrument, which measures the concentration of ozone within the cabinet exposure chamber. This is accomplished by measuring the absorption of ultraviolet(UV) light in a sample of gas flowing through the optical bench (often called the absorption) contained in the instrument.