

OREC™ 0500 – 0900 Series Ozone Test Chambers: Specifications

MODEL:	0500	0900	0500A	0900A	0500C	0900C
TEST METHODS: ¹	C · D · G · H J · I · K · L		A · E · F · G H · I · J · K · L		A · C · D · G · F H · I · J · K · L	
OZONE GENERATOR:	QUARTZ UV		CORONA DISCHARGE		QUARTZ UV & CORONA DISCHARGE	
OZONE RANGE:	0–250 PPHM/VOL 0–1000 PPHM/VOL ²		10–300 PPM/VOL		0–250 PPHM/VOL 10–300 PPM/VOL 0–1000 PPHM/VOL ²	
AIR FLOW: CFM	0–6	0–15	10–20	10–20	10–20 0–61	10–20 0–15
SYSTEM ACCURACY:	MEASUREMENT: 3% OF READING CONTROL: 4% OF SET–POINT					
TEMPERATURE:	UP TO 90° C (194° F)					
OVEN CHAMBER: CM IN.	61 x 46 x 51 24 x 18 x 20	76 x 76 x 76 30 x 30 x 30	61 x 46 x 51 24 x 18 x 20	76 x 76 x 76 30 x 30 x 30	61 x 46 x 51 24 x 18 x 20	76 x 76 x 76 30 x 30 x 30
OVEN CHAMBER: M ³ FT ³	0.142 5.0	0.443 15.625	0.142 5.0	0.443 15.625	0.142 5.0	0.443 15.625
DIMENSIONS: CM IN.	122 x 64 x 84 48 x 25 x 33	137 x 91 x 114 54 x 36 x 45	122 x 64 x 84 48 x 25 x 33	137 x 91 x 114 54 x 36 x 45	122 x 64 x 84 48 x 25 x 33	137 x 91 x 114 54 x 36 x 45
NET WEIGHT: KG LB	180 410)	261 580)	273 600)	355 780)	282 620)	364 800

 ¹ TEST METHOD REFERENCES

A) ASTM D470	CROSSLINKED INSULATIONS AND JACKETS FOR WIRE AND CABLE
B) ASTM D518	RUBBER DETERIORATION—SURFACE CRACKING
C) ASTM D1149	RUBBER DETERIORATION—SURFACE OZONE CRACKING IN A CHAMBER
D) ASTM D1171	RUBBER DETERIORATION—SURFACE OZONE CRACKING OUTDOORS OR CHAMBER
E) ASTM D1352	OZONE—RESISTING BUTYL RUBBER INSULATION FOR WIRE AND CABLE
F) ASTM D1373	SPECIFICATION FOR MEDIUM-VOLTAGE RUBBER INSULATING TAPE: WITHDRAWN IN 1986
G) ASTM D3041	TESTING COATED FABRICS—OZONE CRACKING IN A CHAMBER: REPLACED BY D1149
H) ASTM D3395	RUBBER DETERIORATION—DYNAMIC OZONE CRACKING IN A CHAMBER
I) ASTM D4575	RUBBER DETERIORATION REFERENCE AND ALTERNATIVE METHOD(S) FOR DETERMINING OZONE LEVEL IN LABORATORY TEST CHAMBERS, (METHOD A ONLY)
J) ISO 1431–1: 1989	RESISTANCE TO OZONE CRACKING — PART 1: STATIC STRAIN
K) ISO 1431–2: 1994	RESISTANCE TO OZONE CRACKING — PART 2: DYNAMIC STRAIN TEST
L) ISO 1431–3: 2000	RESISTANCE TO OZONE CRACKING — PART 3: REFERENCE AND ALTERNATIVE METHODS FOR DETERMINING THE OZONE CONCENTRATION IN LABORATORY TEST CHAMBERS

 ² REQUIRES THE OPTIONAL 2nd UV LAMP.

NIST Primary Traceability & ISO/IEC 17025 Accredited Laboratory

NIST



National Institute of Standards and Technology
Primary Traceability
[NIST Report of Analysis 839.03-03-155](#)
[NIST Report of Analysis 839.03-05-168](#)

ISO/IEC 17025
Accredited Laboratory
[Calibration Certificate 1424.01](#)
[Mechanical Testing Certificate 1424.02](#)

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