

## OREC™ 0500 - 0900 Series Ozone Test Chambers: Specifications

MODEL:	0500	0900	0500A	0900A	0500C	0900C
TEST METHODS: <sup>1</sup>	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 <sup>2</sup>		10-300 PPM/VOL		0-250 PPHM/VOL 10-300 PPM/VOL 0-1000 PPHM/VOL <sup>2</sup>	
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 <sup>3</sup> FT <sup>3</sup>	0.142 5.000	00.443 15.625	0.142 5.000	00.443 15.625	0.142 5.000	00.443 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

### <sup>1</sup> TEST METHOD REFERENCES

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	SPECIFICATION FOR MEDIUM-VOLTAGE RUBBER INSULATING TAPE: WITHDRAWN IN 1986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

 <sup>2</sup> REQUIRES THE OPTIONAL ADDITIONAL UV LAMP.

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