

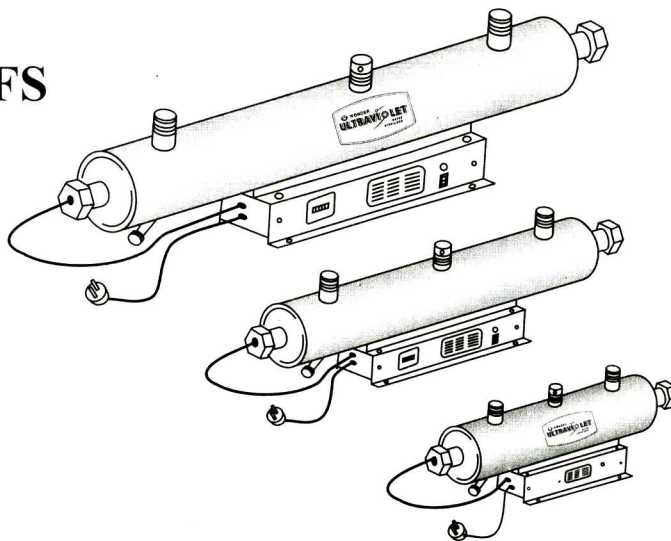
# ULTRAVIOLET

**WATER  
STERILIZER**

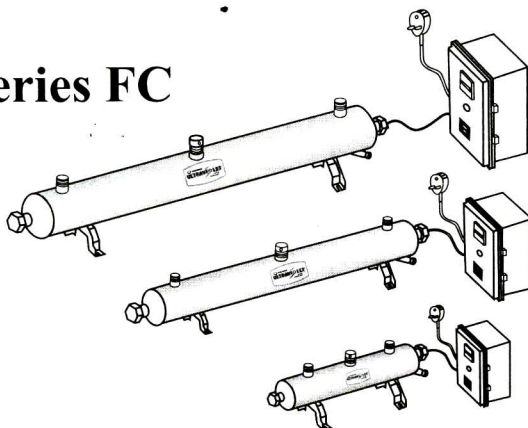


## ULTRAVIOLET WATER STERILIZER OPERATING INSTRUCTIONS

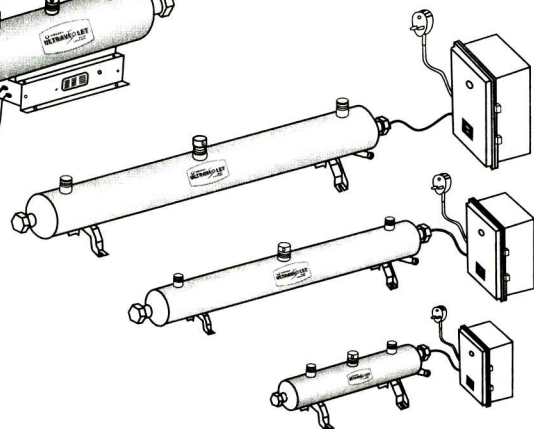
**Series FS**



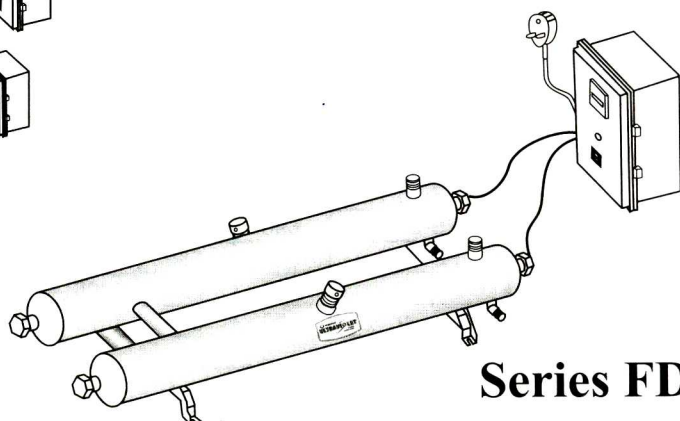
**Series FC**



**Series F**



**Bulletin NO.1.0  
(J0105)**

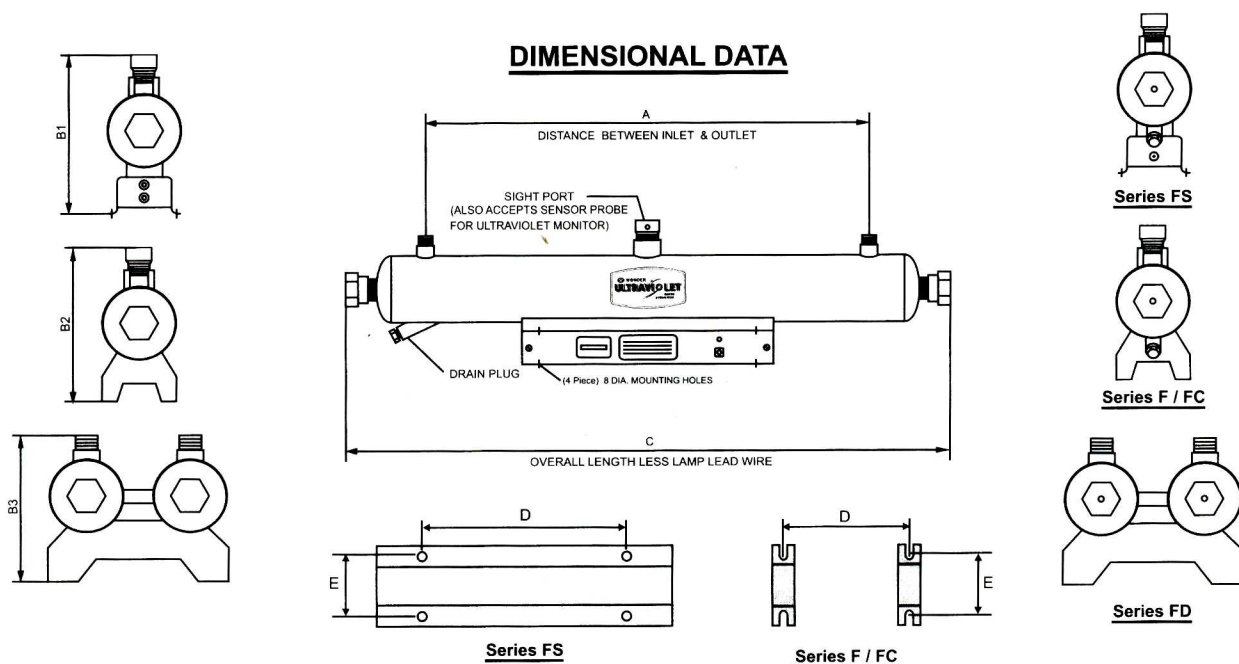


**Series FD**



# Ultraviolet Water Sterilizer

## DIMENSIONAL DATA



SIZE:mm

MODEL	MODEL	A	B	C	D	E	INLET & OUTLET SIZE	LAMP NO.
F-2	FC-2	220	198	400	145	115	1/2" MALE PIPE THREAD	T514
F-3	FC-3	220	198	400	145	115	1/2" MALE PIPE THREAD	T515
F-6	FC-6	358	198	530	250	115	3/4" MALE PIPE THREAD	T521
F-8	FC-8	500	198	680	350	115	3/4" MALE PIPE THREAD	T529
F-12	FC-12	690	230	910	455	125	1" MALE PIPE THREAD	T540
F-15	FC-15	690	230	910	455	125	1" MALE PIPE THREAD	T565
F-20	FC-20	690	267	910	500	165	1 1/2" MALE PIPE THREAD	T565
F-24	FC-24	690	267	910	500	165	1 1/2" MALE PIPE THREAD	T680
F-35	FC-35	983	267	1205	600	165	1 1/2" MALE PIPE THREAD	T6100
F-45	FC-45	983	267	1205	600	165	1 1/2" MALE PIPE THREAD	T6120
F-70	FC-70	1380	290	1630	1000	200	3" MALE PIPE THREAD	T5150 / T5200

FS-2	220	209	400	140	105	1/2" MALE PIPE THREAD	T514
FS-3	220	209	400	140	105	1/2" MALE PIPE THREAD	T515
FS-6	358	220	530	265	110	3/4" MALE PIPE THREAD	T521
FS-8	500	226	680	340	110	3/4" MALE PIPE THREAD	T529
FS-12	690	256	910	450	110	1" MALE PIPE THREAD	T540
FS-15	690	256	910	450	110	1" MALE PIPE THREAD	T565
FS-20	690	285	910	455	110	1 1/2" MALE PIPE THREAD	T565
FS-24	690	285	910	455	110	1 1/2" MALE PIPE THREAD	T680
FS-35	960	285	1205	470	115	2" MALE PIPE THREAD	T6100
FS-45	960	285	1205	470	115	2" MALE PIPE THREAD	T6120
FS-70	1280	375	1630	700	165	3" MALE PIPE THREAD	T5150 / T5200

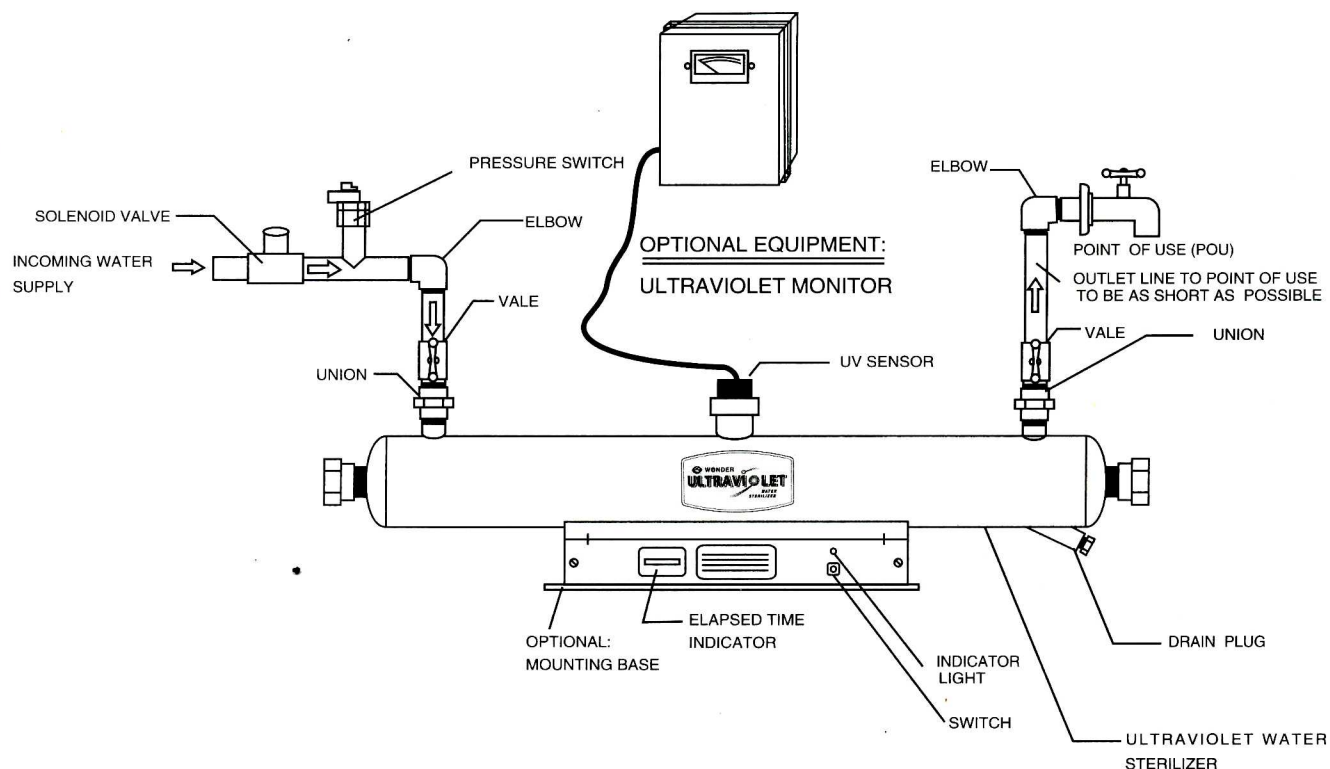
FD-90D	309	395	1205	2" FLANGE	T6120
FD-135D	309	415	1630	3 1/2" FLANGE	T5150 / T5200



# Ultraviolet Water Sterilizer

## RECOMMENDED INSTALLATION

Please read all the notes. Each ultraviolet water sterilizer has been tested prior to packaging as to meet prescribed specifications and safety standards.



### NOTES:

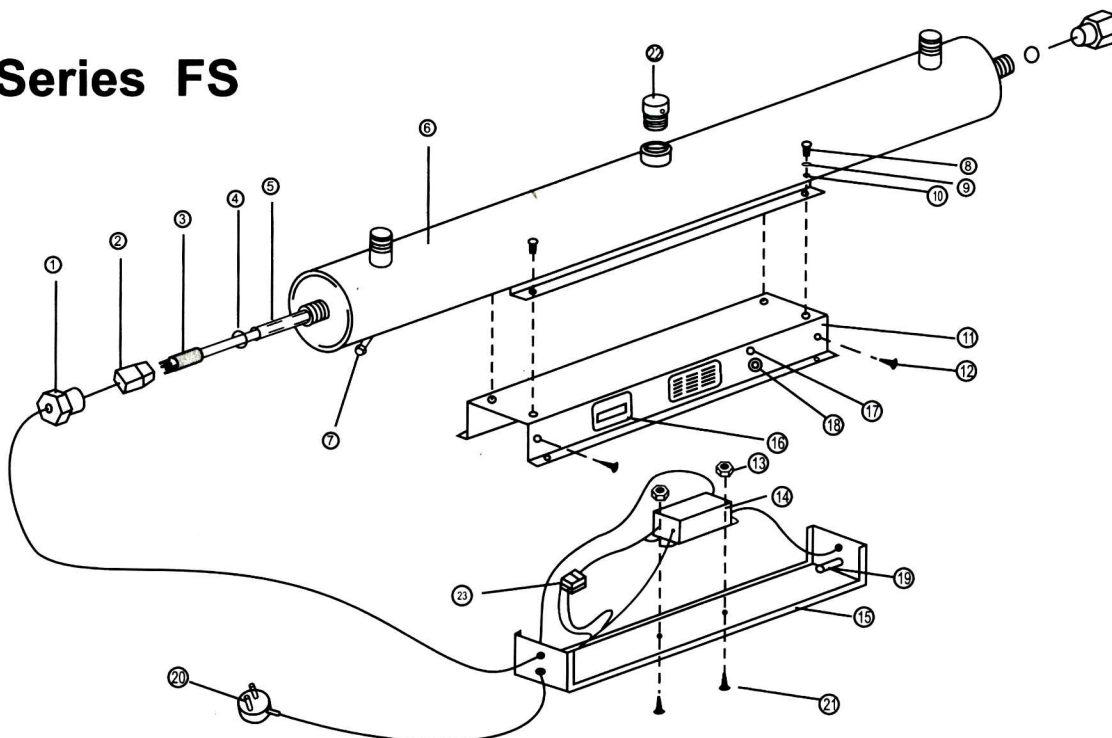
1. INSTALL STERILIZER IN A READILY ACCESSIBLE AND WELL LIT LOCATION TO FACILITATE INSPECTION AND MAINTENANCE.
2. DO NOT ALLOW WATER STERILIZER TO FREEZE.
3. MAXIMUM RECOMMENDED AMBIENT TEMPERATURE: 90°F
4. LINE CORD AND LAMP LEAD WIRE OMITTED FOR CLARITY.
5. SUGGESTED SOLENOID VALVE REQUIRES A MINIMUM OF 5 P.S.I. IN ORDER TO FUNCTION CORRECTLY.
6. MAXIMUM RECOMMENDED OPERATING PRESSURE IS 100PSI.
7. 230V/50Hz UNITS ARE STANDARD





# Ultraviolet Water Sterilizer

## Series FS



ITEM	DESCRIPTION	SERIES F QTY	SERIES FC QTY	SERIES FS QTY	SERIES FD QTY
1	STAINLESS STEEL NUT	2	2	2	4
2	LAMP SOCKET & LEAD WIRE	1	1	1	2
3	GERMICIDAL ULTRAVIOLET LAMP	1	1	1	2
4	O-RING	2	2	2	4
5	QUARTZ SLEEVE	1	1	1	2
6	CHAMBER	1	1	1	2
7	DRAIN PLUG	1	1	1	2
8	SCREW	-	-	4	-
9	LOCK WASHER	-	-	4	-
10	FLAT WASHER	-	-	4	-
11	BALLAST HOUSING COVER	-	-	1	-
12	BALLAST HOUSING SCREW	-	-	4	-
13	BALLAST NUT	-	-	2	-
14	BALLAST	1	1	1	2
15	BALLAST HOUSING	-	-	1	-
16	ELAPSED TIME INDICATOR	-	1	1	1
17	INDICATOR LIGHT	-	1	1	2
18	SWITCH	-	1	1	1
19	FUSE	-	-	1	1
20	POWER SUPPLY	-	1	1	1
21	BALLAST SCREW	-	-	2	-
22	SIGHT PORT PLUG	1	1	1	2
23	AUDIO ALARM	1	1	1	2

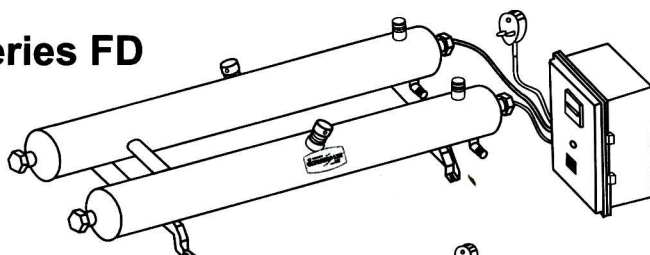
Series F  
Series FC  
Series FS  
Series FD  
ULTRAVIOLET  
WATER STERILIZER  
ASSEMBLY

Date: Jan 01, 2005

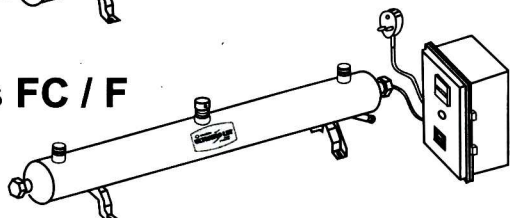


# Ultraviolet Water Sterilizer

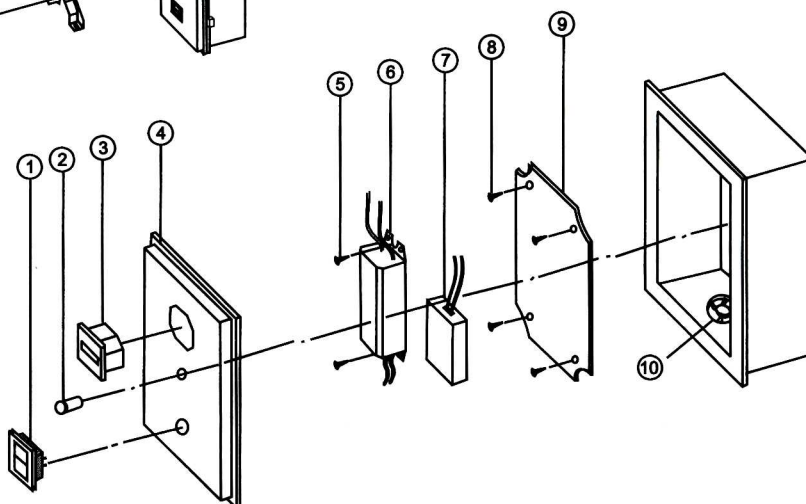
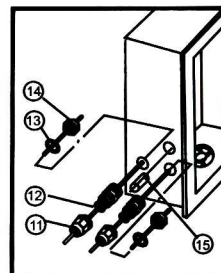
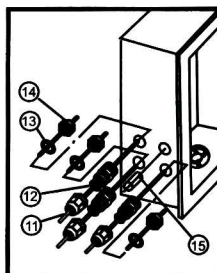
## Series FD



## Series FC / F



For Series FD For Series FC / F



ITEM	DESCRIPTION	SERIES F QTY	SERIES FC QTY	SERIES FD QTY
1	SWITCH	1	1	1
2	INDICATOR LIGHT	1	1	2
3	ELAPSED TIME INDICATOR	—	1	1
4	STERILIZER CONTROLLER BOX	1	1	1
5	SCREW	4	4	8
6	BALLAST	1	1	2
7	AUDIO ALARM (OPTION)	1	1	2
8	SCREW	4	4	4
9	MOUNTING PLATE	1	1	1
10	VENTILATING FAN (OPTION)	—	1	1
11	WATER PROOF STRAINER	2	2	4
12	WATER PROOF STRAINER	2	2	4
13	PAD	2	2	4
14	PLASTIC NUT	2	2	4
15	FUSE	1	1	1

Series F

Series FC

Series FD

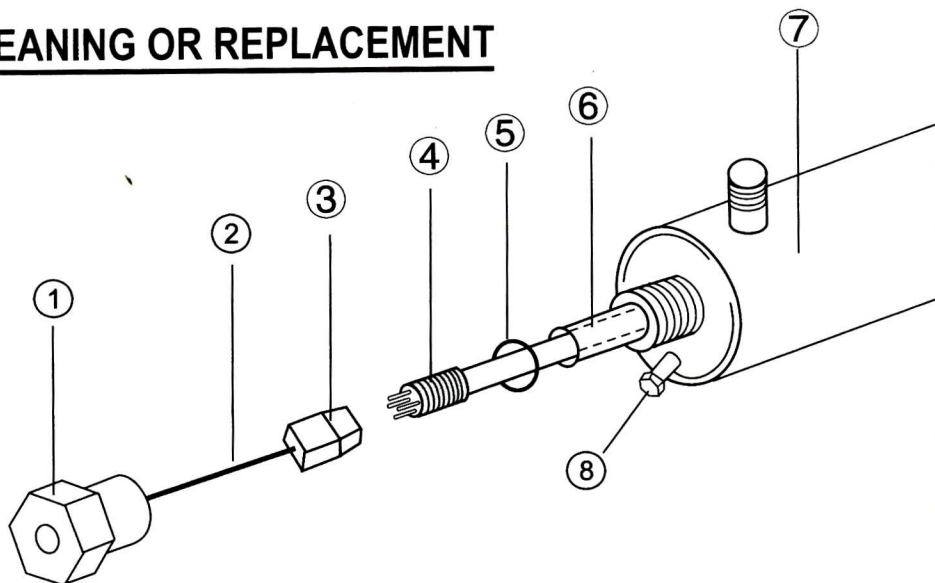
CONTROLLER BOX  
ASSEMBLY

Date: Jan 01, 2005



# Ultraviolet Water Sterilizer

## QUARTZ SLEEVE CLEANING OR REPLACEMENT



**WARNING:** GERMICIDAL ULTRAVIOLET RAYS  
ARE HARMFUL TO EYES & SKIN.

1. UNSCREW THE NUT (1) AND DISCOUNNECT THE SOCKET(3) FROM THE PIN HEAD OF LAMP.
2. CAREFULLY WITHDRAW LAMP(4) APPROXIMATELY 2 INCHES FROM CHAMBER(9). WHILE FEEDING LAMP SOCKET & LEAD WIRE (3) ON OPPOSITE END OF CHAMBER.
3. WHILE HOLDING LAMP END (4).CAREFULLY REMOVE LAMP SOCKET (3) ON END NOW EXPOSED.
4. NEXT,CAREFULLY WITHDRAW LAMP(4) APPROXIMATELY 2 INCHES ON OPPOSITE END, HOLD LAMP END & REMOVE LAMP SOCKET(3).
5. LAMP SHOULD NOW BE FREE ON BOTH ENDS,CAREFULLY WITHDRAW LAMP(4) FROM CHAMER (7), BE SURE TO WITHDRAW LAMP STRAICHT OUT WITHOUT ANGLING UNTIL COMPLETELY CLEAR OFF QUARTZ SLEEVE(6).
6. CAREFULLY REMOVE O-RING(5) FROM BOTH END OF QUARTZ SLEEVE(6).
7. CAREFULLY REMOVE QUARTZ SLEEVE (6) FROM CHAMBER (7).NOTE:IT IS ADVISABLE TO SUPPORT THE QUARTZ SLEEVE ON THE BACK SIDE WITH YOUR FINGER SO THAT IT DOES NOT DROP TO THE BOTTOM OF THE CHAMBER WHEN IT SLIDES PAST THE CHAMBER END, ONCE THE QUARTZ SLEEVE IS REMOVED,CLEAN WITH ALCOHOL OR A DETERGENT.
8. REASSEMBLE IN REVERSE ORDER BE SURE O-RINGS(5) ARE PLACES ON QUARTZ SLEEVE(6).
9. DO NOT OVERTIGHTEN STAINLESS STEEL NUT ON CHAMBER,TIGHTEN BY HAND ONLY !!! OVERTIGHTENING WILL CAUSE QUARTZ SLEEVE TO BREAK.





# Ultraviolet Water Sterilizer

## **MAINTENANCE SUGGESTION**

To operate the sterilizer properly and attain its maximum efficiency that the user needs to do some maintenance jobs as below:

**I. Quartz sleeve cleaning or replacement:**

- quartz sleeve is to be cleaned every 3-6 months, clean with alcohol or a detergent.
- Quartz sleeve is to be replaced every 24 months.

**II. O-RING** is to be replaced every 9-12 months.

**III.** The germicidal ultraviolet lamp replacement is recommended every 8,000-9,000 hours of operation ( Approximately 12 months of continuous service ).

**Note:** All the users need to change the lamp periodically because the efficiency of its germicidal radiation dosage will elapses after the operation of 8,000 hours or over although the lamp still can fluoresce in this time.

### **IMPORTANT NOTE**

**Make sure that all items have been removed from the shipping carton before it is discarded.**



## 2 YEARS OF GUARANTEE

We guarantee that this equipment will be free from defects in material and workmanship for a period of two years from the date of shipment. Within the guarantee period we shall repair or replace such products which are returned to us and which are determined by us to be defective. This guarantee will not apply to any product which has been misused negligently, or deconstructed accidentally, or modified, and repaired by unauthorized persons.

Buyer shall examine the product promptly after receipt and shall notify us at our agent in writing of claims, such as claims of breach of warranty, within one week after the buyer discovers. The default which the claim is based, Failure of the buyer is submission any written notice of a claim within one week that it shall be a waiver of the claim.

**ONE YEAR GUARANTEE FOR UV LAMP, ONE YEAR GUARANTEE ONLY FOR ITS EFFICIENT RADIATION DOSAGE OF UV LAMP.**

PLEASE TYPE OR PRINT IN INK

(1) CUSTOMER : \_\_\_\_\_

CONTACT PERSON : \_\_\_\_\_

DATE OF PURCHASE : \_\_\_\_\_

MODEL : \_\_\_\_\_ SERIAL NO. : \_\_\_\_\_

ADD : \_\_\_\_\_

COUNTRY : \_\_\_\_\_ POST CODE : \_\_\_\_\_

TEL : \_\_\_\_\_ FAX : \_\_\_\_\_

(2) PROCUREMENT FROM : \_\_\_\_\_

ADD : \_\_\_\_\_

COUNTRY : \_\_\_\_\_ POST CODE : \_\_\_\_\_

TEL : \_\_\_\_\_ FAX : \_\_\_\_\_

**IMPORTANT:** PLEASE FILL OUT AND RETURN IN ORDER TO ACTIVATE GUARANTEE WITHIN TWO WEEKS AFTER RECEIPT OF THE GOODS.