

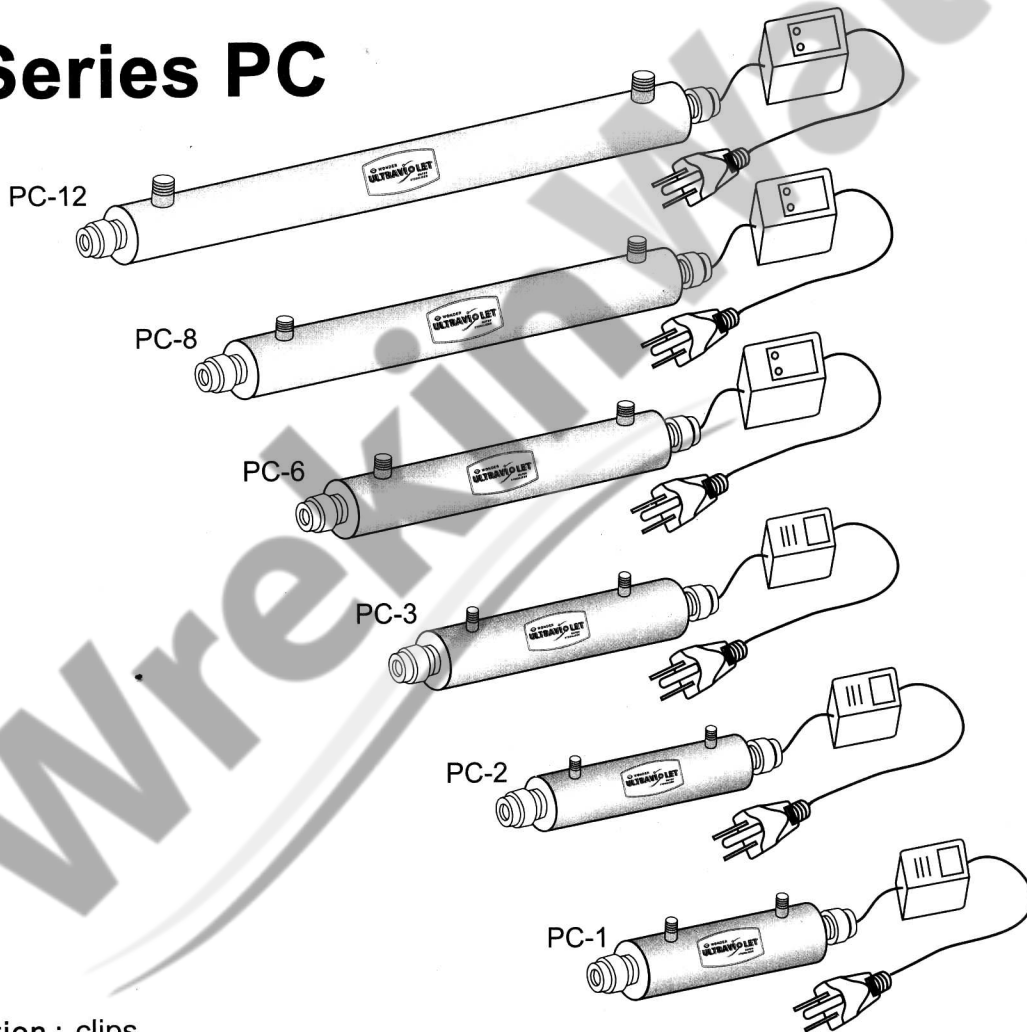
# ULTRAVIOLET

WATER  
STERILIZER

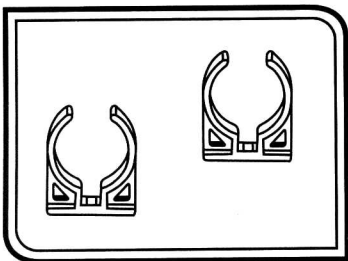


## OPERATING INSTRUCTIONS

### Series PC



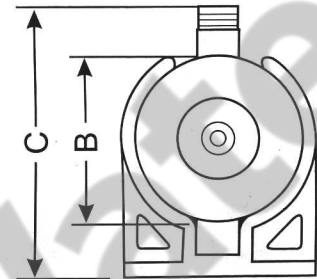
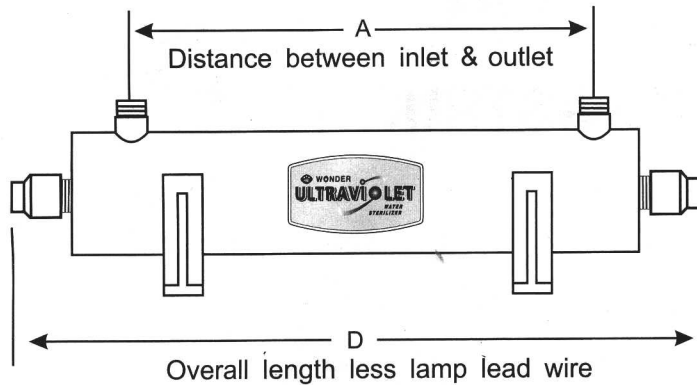
Option : clips



Please read these instructions completely before operating this unit and retain it for future reference.



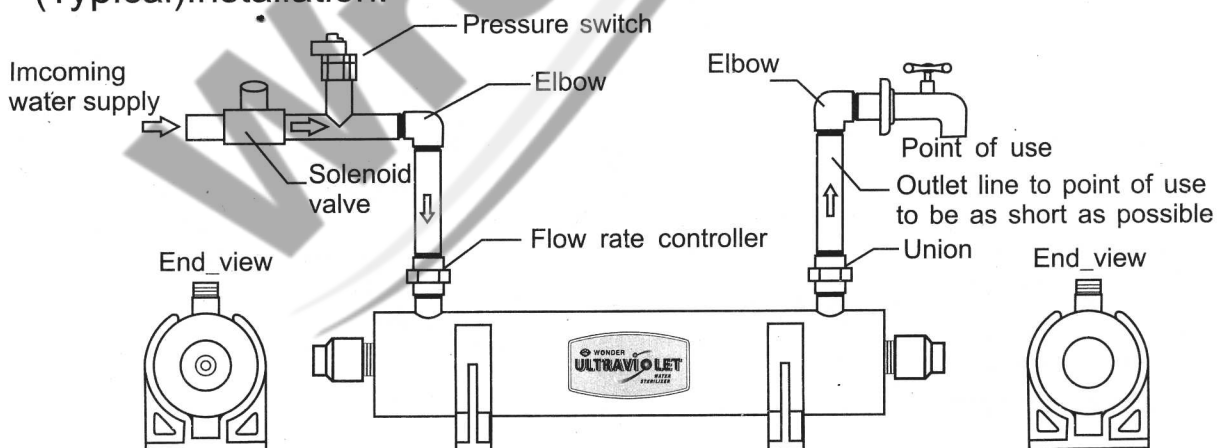
# Ultraviolet Water Sterilizer



**Note:** Line cord and lamp lead wire omitted for clarity.

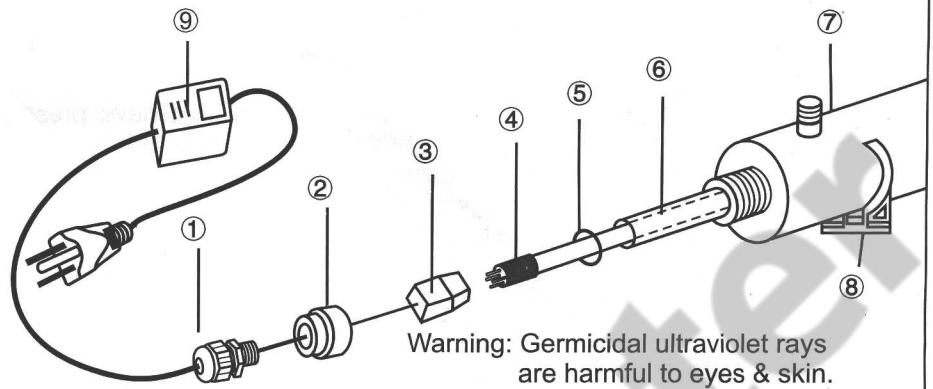
| Model | A   | B    | C   | D   | Standard Inlet & Outlet Size | Option          |
|-------|-----|------|-----|-----|------------------------------|-----------------|
| PC-1  | 158 | 50.8 | 83  | 265 | 1/4" NPT or BSP              | -               |
| PC-2  | 235 | 63.5 | 103 | 355 | 1/4" NPT or BSP              | 1/2" NPT or BSP |
| PC-3  | 260 | 63.5 | 108 | 375 | 1/2" NPT or BSP              | -               |
| PC-6  | 440 | 63.5 | 108 | 555 | 1/2" NPT or BSP              | -               |
| PC-8  | 585 | 63.5 | 108 | 705 | 1/2" NPT or BSP              | 3/4" NPT or BSP |
| PC-12 | 800 | 63.5 | 110 | 935 | 3/4" NPT or BSP              | 1" NPT or BSP   |

## (Typical) Installation:



## Notes:

1. Do not allow water sterilizer equipment to freeze.
2. Recommended ambient temperature: 2°C-40°C (36°F-104°F).
3. 120V/60Hz and 230V/50Hz units are standard.
4. Maximum recommended operating pressure is 100 Psi.
5. The system and installation shall comply with applicable state and local regulations.



**Installation:**

1. Install sterilizer equipment in a readily accessible and well lit location to facilitate inspection and maintenance.
2. Inspect for hidden electrical wiring or plumbing prior to drilling holes.
3. Attach mounting clips to the wall.
4. Insert chamber through mounting clips.
5. Connect to plumbing .
6. Install quartz sleeve and lamp.

**Note: Avoid touching the sides of the quartz sleeve and lamp, handle by the ends only. Ultraviolet lamp and quartz sleeve are easily damaged. Pay attention when removing or replacing lamp and quartz sleeve.**

- a. Remove the aluminum nuts (2).
- b. Slide carefully the quartz sleeve (6) from one end to another end of the chamber.
- c. Slide the O-rings (5) on the open ends of quartz sleeve.
- d. Tighten the aluminum nuts (2) hand tight.
- e. Slide the lamp (4) into the quartz sleeve.
- f. Connect the lamp to the lamp socket.
- g. Screw the nuts on the chamber, then screw the water proof strainer(1) on the nut(2).
7. Turn on the water and inspect for leaks. Repair if necessary.
8. Plug the ballast into an electrical outlet. An electrical outlet protected by a Ground Fault Interrupt (GFI) circuit is recommended.
9. Run water through the chamber for 5-10 minutes prior to use.

| Item | Description                 | PC-1      | PC-2      | PC-3      | PC-6      | PC-8     | PC-12    |
|------|-----------------------------|-----------|-----------|-----------|-----------|----------|----------|
|      |                             | Part No.  | Part No.  | Part No.  | Part No.  | Part No. | Part No. |
| 1    | Water Proof Strainer        | PG135     | PG135     | PG135     | PG135     | PG135    | PG135    |
| 2    | Aluminium Nut               | A02       | A02       | A02       | A02       | A02      | A02      |
| 3    | Lamp Socket & Lead Wire     | 4P80      | 4P80      | 4P80      | 4P80      | 4P80     | 4P80     |
| 4    | Germicidal Ultraviolet Lamp | T510      | T514      | T515      | T521      | T529     | T540     |
| 5    | Rubber O-Ring               | 21735     | 21735     | 21735     | 21735     | 21735    | 21735    |
| 6    | Quartz Sleeve               | T245250   | T245330   | T245350   | T245530   | T245680  | T245910  |
| 7    | Chamber                     | ST508245  | ST635310  | ST635330  | ST635510  | ST635660 | ST635890 |
| 8    | Clip                        | 1002      | 1002      | 1002      | 1002      | 1002     | 1002     |
| 9    | Ballast                     | UV-1/UV-3 | UV-1/UV-3 | UV-1/UV-3 | UV-1/UV-6 | UV-6     | UV-6     |