

UVD320

Installation and Maintenance Manual

READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE INSTALLING OR USING THIS PRODUCT

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Replacement Parts

UV Lamp 400152
Quartz Sleeve 400151
“O” Ring Set 400202
UV Power Source 400203

Lamp Change Procedure

Replacing the UV lamp and cleaning the quartz sleeve

Note: Do not touch the lamp or the quartz sleeve with your fingers. Handle by ends only or wear soft gloves.

1. Turn off all water supplies to the unit and unplug the system from the electrical outlet.
2. Carefully extract the lamp connector from the sleeve glandnut assembly to expose just the top of the lamp. While holding the lamp base firmly, remove the lamp power connector. **Caution:** lamp base can be very hot – be careful not to drop lamp into quartz sleeve as it easily broken.
3. Carefully slide the UV lamp out of the quartz sleeve and discard according to local regulations.
4. Remove the quartz sleeve by loosening the glandnut and carefully extracting it from unit. **Caution:** The quartz sleeve is fragile and is easily chipped or broken – use care when removing or installing.
5. Clean the quartz sleeve with a vinegar solution or a readily available scale removal product (*Limeaway, CLR etc.*)
6. Re-install the quartz sleeve – replace “O” ring if it appears damaged.
7. Install new lamp by reversing procedure described in step 2 above.
8. Slowly open water supply valve and purge air from system – verify that there are no leaks before reconnecting to AC power.

Resetting the Lamp Change Timer

The lamp change reminder timer is reset by disconnecting the UV power source from the AC supply, waiting for fifteen seconds and reconnecting to the AC supply while depressing the timer button. The UV power source will emit a solid three second beep indicating that the reset was successful.

It is not possible to reset the lamp change timer unless the timer is in the grace period or lamp change alarm mode. If you need to reset the lamp change timer prior to the full one year time period expiring due to premature lamp failure, there are special instructions included with all replacement lamps describing the necessary procedure.

Time remaining: When the lamp change reminder timer is not in the grace period or lamp change alarm mode, the number of months of lamp life remaining can be determined by pressing the timer button and counting the number of red timer LED flashes.

Note: The UV power source is designed to shut down if the AC input voltage is outside of operating limits. When a lamp failure alarm is active you should unplug the unit from the AC power source, wait for fifteen

seconds and then reconnect to the AC power source. If the failure was due to out of limit AC power the unit will re-ignite the lamp and operate normally.

Product Specs

Product Specification	UVD320
Rated Flow Rate	8 gpm (30lpm) @ 40mj 10 gpm (38lpm) @ 30mj
Isolated Solenoid Drive	yes
AC Supply Voltage	120V 47-63Hz .7A (240V 47-63Hz .35A)
Annual Lamp Change Timer	yes
Lamp Change Grace Period	28 days maximum
Grace Period Audio Alarm Disable	yes (7day increments)
Reactor Chamber Material	304 SS
Maximum Operating Pressure	100psi
Maximum Ambient Temperature	50C (122F)
Water Temperature Range	4 – 37C (40 – 99F)
Lamp Service Life	9000hrs
Chamber Dimensions (L x D)	19" x 3.5"
Controller Dimensions (L x D x W)	7" x 1.7" x 2.3"
Shipping Weight	8lbs
Inlet/Outlet Port Size	¾" MNPT inlet ¾" FNPT outlet

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