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The “UV Disinfector” Installation, Operation and Maintenance Instructions

System Description:

The UV system disinfects the effluent by exposing it to a powerful ultraviolet light in a confined space. A flow restrictor ensures that the effluent is exposed to the UV light for a sufficient period of time to complete the disinfection process. A control panel is provided that supplies power to the UV system and has an audible and visible alarm that activates if the bulb fails or the UV current drops below a minimum level. The control panel is housed in a weather proof enclosure and has separate circuit breakers for the UV system and the alarm system.

Specifications:

UV Bulb: Length = 37-7/32”
Lamp Watts = 37 Watts
UV Output = 12.8 Watts
Radiant Intensity at 1 meter = 112 microwatts

Control Panel: Model 50-20-UV

Caution: During installation and servicing make sure that power is disconnected from the system anytime the UV bulb is exposed. The majority of the energy emitted by the bulb is invisible and is powerful enough to burn eyes and skin in a very short exposure time. Ensure that during installation and service that no fingerprints or oily materials are left on the bulb. If necessary, the bulb can be cleaned with a soft cotton cloth soaked with alcohol.

Installation:

Mount the UV unit as close to the pump tank as possible (or inside the pump tank or ATU). It is advisable to remove the UV lamp before installing this unit. The unit shall be installed in a vertical position. Make sure the outlet connection is level to the inlet side.

The riser shall be at ground level when the unit is completely backfilled. Cut off the bottom end of the 6” riser making sure not to cut the end with electrical penetration. After cutting the end off, glue in place. Do not glue cap. The electrical connector in the 6” x 4” reducer should not be flooded.

Electrical:

Mount the electrical box provided by the manufacturer as close to the UV unit as possible. Pull the open end of the 40 feet direct burial wire through the hole in the side of the 6” riser (top of UV unit). Do not add more wire to this 50 feet. Bury the wire underground from the unit to the electrical control panel, cut to length. Connections are watertight including the electrical penetrations through the 6” riser.

Operation:

The system will operate continuously without intervention other than scheduled maintenance. If the alarm activates, the homeowner should contact their service provider.

Maintenance:

When doing maintenance or inspection (every six months) remove cap, unplug and slowly lift lamp out of the unit by pulling straight up on electrical cord. Carefully wipe clean the quartz crystal, then gently slide the lamp back into the unit until the top seal on the lamp is next to the 7/8" hole. Plug lamp back together and replace cap. Every two years replace complete lamp. It comes with the quartz crystal and lamp in place. Just remove as above, and replace. When inspecting, check for settlement in bottom of unit and flush with water hose if necessary.

Warranty:

UV "The Disinfector", Inc. warrants the UV products to be free from defects in materials and workmanship when exposed to normal use and service, provided proper assembly, installation and use procedures are followed. UV "The Disinfector", Inc. is limited in liability to the cost of any product or part in accordance with the warranty, and UV "The Disinfector", Inc. shall in no event be otherwise liable or be liable for indirect or consequential damages, loss of use or loss of profits. UV "The Disinfector", Inc. shall not be responsible for work done or expenses incurred in connection with original installation of product, or parts thereof, shall not be responsible for work done or expenses incurred in connection with original installation of product or with the repair or replacement of such product, or parts thereof, and shall not be responsible for labor charges involved in replacing any defective part, except on the authority from UV "The Disinfector", Inc. The UV lamp supplied with this unit is warranted for a twelve month period from the date of installation. This warranty is under the same conditions as above stated. By adding to the 40 ft. of wire or flooding the system into the 6" riser VOIDS any warranty on this unit.

UNIT PERFORMANCE IS
BASED ON
PRETREATMENT OF
EFFLUENT OF:

CBOD COUNT OF LESS
THAN 10 MG/L AND
TSS COUNT OF LESS
THAN 10 MG/L

WATER TEMPERATURE
RANGE:
34 DEGREE TO 100
DEGREE F.

THIS UNIT IS DESIGNED
FOR GRAVITY FORCE TO
PUMP TANK OR DRAIN
FIELD

6 GPM FLOW RATE
115 VOLT 60 HZ
POWER

THIS WASTEWATER
DISINFECTOR
EMPLOYS A GENUINE
STER-L-RAY™ BY
ATLANTIC ULTRAVIOLET
GERMICIDAL LAMP THAT
AFFORDS THE MAXIMUM
EFFICIENCY AND
LONGEVITY IN PRODUCING
THE REQUIRED
GERMICIDAL RAYS.

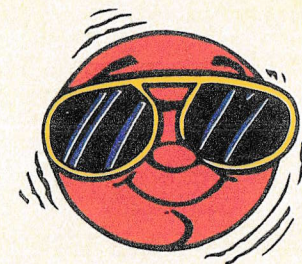
MANUFACTURED BY:
UV "The Disinfector," Inc.
PO BOX 203
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1.877.770.1500

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WWW.ONSITEWTC.COM
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DISTRIBUTED BY:

UV



"The Disinfector"

EFFECTIVE

ECONOMICAL

SAFE

FAST

EASY

AUTOMATIC

CHEMICAL FREE

**MEETS PUBLIC HEALTH
STANDARD**

DISPOSABLE INSERT

**NO SPECIAL ATTENTION
OR MEASUREMENT**

**NO ADDITION OF
DANGEROUS CHEMICALS**

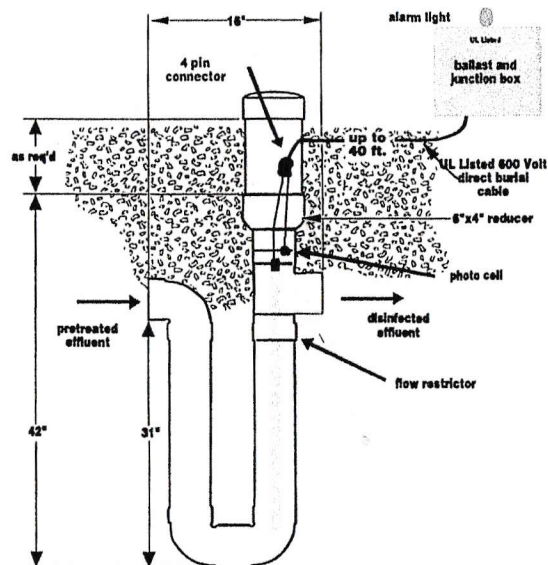
**HUNDREDS OF GALLONS
ARE PURIFIED FOR EACH
PENNY OF OPERATING
COST**

**DESTROYS FECAL
COLIFORM**

DIRECT BURIAL

UV

WASTEWATER DISINFECTOR



GPM 6
ULTRAVIOLET DISINFECTOR
UV "The Disinfector", Inc.

NOTE: TEST PERFORMED BY A THIRD
PART TESTING LABORATORY FOLLOWING
STANDARD 40 CLASS I AEROBIC
TREATMENT UNIT FOR A SIX MONTH
PERIOD WITH A MEDIAN CONCENTRATION
OF 10 CFU/100 ML.

**ALL MICRO-ORGANISMS
ARE SUSCEPTIBLE TO
ULTRAVIOLET
DISINFECTION**

**NO DANGER
OF OVERDOSING**

**WASTE IS DISINFECTED
AS SOON AS IT LEAVES
THE UNIT**

**SIMPLE INSTALLATION
AND MAINTENANCE**

**PROVIDES CONTINUOUS
DISINFECTION**

**NO CHLORINE
CORROSION PROBLEMS**