GLASCO UV

APPLICATIONS

- Private home wells
- Cottages / Camps
- Businesses

UV BENEFITS

- Chemical free
- Effective on wide range of microorganisms
- Economical - energy efficient
- Easy to service
- Proven safe technology
- US EPA accepted tech

WATER QUALITY

- 5 micron pre-filter
- Turbidity: 5 NTU
- Color: None
- Iron: 0.3 ppm
- Solids: 10 mg/l
- Manganese: 0.05mg/l
- pH: 6.5 – 9.5
- Hardness: 7 grains
- Tannins: < 0.1ppm
- UV trans.: >75%

SUPPLIES NEEDED

- Screws to mount unit
- Teflon tape
- Proper fittings / unions
- Shut-off valves
- GFCI outlet

MADE IN THE USA

UV DISINFECTION

Residential / Commercial

GUV-C SERIES

"The Classic"

- Glasco's Premiere Line
- Heavy duty stainless steel construction
- 10 year chamber warranty
- Audible and visual lamp indicator
- Manufactured in USA
- 50 years of field installations

HOW UV DISINFECTION WORKS

The technology uses a special UV lamp to target and disable harmful water-borne disease causing microorganisms (pathogens).

Over 100 years ago, scientists found that when pathogens were exposed to UV light, their reproduction was limited. The light resided in the UVC range of the spectrum. Specifically, they discovered that light in the 254 nanometer (nm) range was the most effective.

When pathogens are exposed to UV light, their cells become damaged and this inhibits reproduction. UV light damages the cell's DNA and RNA and once damaged, they are unable to replicate and therefore, rendered harmless.

The amount of damage is a result of the intensity of the UV light multiplied by the time the water is exposed to the light (time x intensity). The dosage, referred to as microwatts, is often expressed as mJ/cm2. A 40,000 microwatt dose (40 mJ) is accepted for water disinfection.

UV'S ACCEPTANCE

The Environmental Protection Agency (USEPA) recently published the Long Term 2 Rule (LT2), which is aimed at combating waterborne pathogens like Giardia and Cryptosporidium.

The USEPA recognizes UV as a method to disable pathogens that can cause gastrointestinal illness, other health issues and even death.

UV EFFECTIVE ON:

- Bacteria
- Viruses
- Fungi
- Algae
- Protozoa

SPECIFIC MICROORGANISMS

- Cryptosporidium
- Giardia
- Cholera
- Salmonella
- E-coli
- Coliform bacteria
- Fecal coliform

ABOUT GLASCO UV

For over 50 years, Glasco UV has been manufacturing the highest quality UV disinfection systems on the market.

In addition to our popular residential and commercial offerings, Glasco also manufactures systems for treating industrial and municipal water supplies.

CLASSIC FEATURES

- Manufactured in USA
- 304L electropolished SS vessel
- Powder-coated aluminum cover
- 100 psi pressure rating
- MNPT fittings
- Flow control device (not on GUV-C20)
- On board electronics
- Efficient electronic ballast
- On board audible lamp out alarm
- LED lamp status indicator
- 9,000+ hour lamp life
- GE Type 214 quartz sleeve
- Built in mounting brackets
- 50 years of being installed

CLASSIC *PLUS* FEATURES

- Lamp countdown timer
- Lamp change reminder
- Contacts for solenoid or remote alarm

OPTIONS

- UV monitoring system
- Solenoid shut off valve
- 220 Volt
- For larger flows, contact factory
- Systems with quartz sleeve wipers

FREQUENTLY ASKED QUESTIONS (more at www.glascouv.com)

What happens to the microorganisms after they are exposed to UV light?

UV prevents microorganisms from reproducing and that is what makes them harmless. They are still present in the water, but are no longer a health risk.

Is UV light dangerous?

Just like sunlight, the light used for disinfection (UVC) is dangerous to both eyes and skin. Exposure to UVC light will cause harm, so systems are designed to protect the end user from being exposed.

How is the lamp protected from the water?

The UV lamp does not come in contact with the water. The lamp is placed into a glass like tube called a quartz sleeve. This material allows UV light to transmit into the water and allows the lamp to maintain optimum temperature. Depending on water quality, the sleeve will need to be cleaned on a periodic basis.

What type of maintenance is involved?

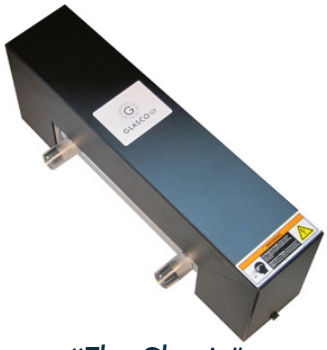
The actual lamp needs to be replaced on a yearly basis. While the lamp may glow for a couple of years, the lamp only produces the UVC light output for a year. The system is designed to run 24 hours a day.

Does UV disinfection change the water?

UV light does not change the taste, color or odor of water. Since it is a chemical free process, nothing is put into or taken out of the water.

How are systems sized?

Systems are sized based on flow rates. Small homes and cabins are 7-10 gallons per minute (gpm) and larger homes range from 15-20 gpm. Your water professional will select the appropriate size.



"The Classic"

"The Classic Plus"

UNIT	GPM	LPM	INLET / OUTLET	WATTS	POWER 120V 50/60 Hz	DIMENSIONS (L x W x H)	SHIPPING WEIGHT	SHIPPING DIMENSIONS
GUV-C7	7	27	3/4" MNPT	17	.6 amp	18" x 5" x 7"	10 lbs	22" x 9" x 9"
GUV-C10	10	38	3/4" MNPT	32	.7 amp	18" x 5" x 7"	10 lbs	22" x 9" x 9"
GUV-C15	15	57	3/4" MNPT	42	.75 amp	37" x 5" x 7"	16 lbs	39" x 9" x 9"
GUV-C20	20	76	1" MNPT	80	1 amp	37" x 5" x 7"	17 lbs	39" x 9" x 9"

Distributed by:

GLASCO UV

Mahwah, NJ USA

info@glascouv.com
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