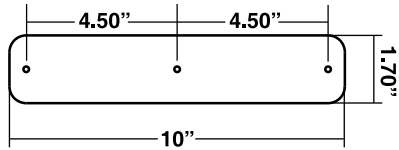
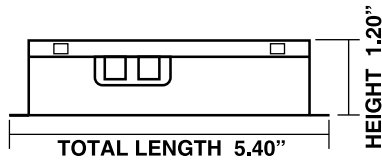
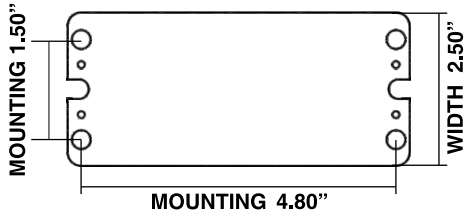


DIMENSIONS

REFLECTOR



BALLAST




WARRANTY

Universal UV Solutions™ warrants the Clear Blue® Arctic to be free from defects in material and workmanship subject to the conditions and limitations hereinafter described.

The warranty period for the Universal UV Solutions™ UV lamp and fixture is one (1) year and Lifetime for the ballast. Warranty claims are to be made to: (1) The installing Universal UV Solutions™ Dealer, or (2) Universal UV Solutions™ directly. If the warranty claim is made to the installing UUVS Dealer, the UUVS Dealer will obtain a replacement part through UUVS and install the replacement part. If the warranty claim is made to Universal UV Solutions™ directly, the customer shall contact UUVS at info@universaluvsolutions.com to obtain the address of Universal UV Solutions™ Service Center where the defective unit is to be shipped at the customer's expense, along with a copy of the original invoice. Universal UV Solutions™ will repair and return the unit to the customer at Universal UV Solutions™ expense.

THIS WARRANTY DOES NOT INCLUDE ANY ADDITIONAL LABOR ALLOWANCE OR OTHER COSTS incurred for diagnosis, repairing, removing, installing, shipping, servicing, or handling of either defective parts or replacement parts. The warranty period shall extend the greater of a period of 6 (six) months following a repair made under warranty or for the remaining period of time of the initial warranty period.

- UNIVERSAL UV SOLUTIONS™ WILL NOT BE RESPONSIBLE FOR:
- Normal maintenance as outlined in the installation and servicing instructions or owner's manual.
- Damage or repairs required as a consequence of faulty installation or application by others.
- Failure to start due to voltage conditions, blown fuses, open circuit breakers or other damages due to the inadequacy or interruption of electrical service.
- Damage or repairs needed as a consequence of any misapplication, abuse, improper servicing, unauthorized alteration, or improper operations.
- Damage as a result of floods, winds, fires, lighting, accidents, corrosive atmosphere, or other conditions beyond the control of Universal UV Solutions™.
- Parts not supplied or designated by Universal UV Solutions™.
- Universal UV Solutions™ products installed outside the Continental U.S.A., Alaska, Hawaii, and Canada.
- ANY SPECIAL INDIRECT OR CONSEQUENTIAL PROPERTY OR COMMERCIAL DAMAGE OF ANY NATURE WHATSOEVER.
- Some states or provinces do not allow the exclusion of incidental or consequential damages, so the above limitation may not apply to you.

universal  solutions™



WARNING

Before installing or performing maintenance or service on the purifier, DISCONNECT from main power. Electrical shock can cause injury or death.

WARNING

Never expose eyes or skin to ultraviolet light from any source. The Purifier MUST be DISCONNECTED from power source before performing maintenance or service. Personal injury may result.

WARNING

The UV Lamp contains a small quantity of mercury. If a Lamp breaks, do not place in trash or use a household vacuum. Sweep debris into a plastic bag and dispose of properly. Contact your local waste authority for proper disposal guidelines.

WARNING

Use only specified replacement Lamps with your Purifier. Use of an incorrect Lamp can result in damage to the Purifier and/or Lamp.

WARNING

This purifier must be installed by a qualified electrician or HVAC technician following NEC, local and NFFA standards.

MADE IN
USA

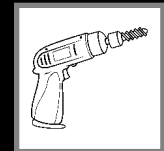
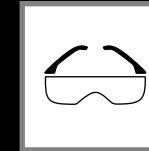
 Clear Blue®
ARCTIC

GERMICIDAL UV PURIFICATION SYSTEM
FOR ICE MACHINES

INSTALLATION MANUAL

120-277V UV SYSTEM

ENGLISH



WEAR SAFETY GLASSES AND GLOVES
FOLLOW ALL SAFETY CODES

SERIAL NUMBER

DATE INSTALLED

INSTALLER'S CONTACT INFO

www.universaluvsolutions.com
info@universaluvsolutions.com
Universal UV Solutions © 2015

Due to a program of continuous improvement
Universal UV Solutions reserves the right to make
design and or specifications changes at any time.

DESCRIPTION

The Clear Blue® Arctic system is designed to eliminate mold and bacterial growth within ice machines.

Using a specialized, Teflon-coated UV-C lamp, the Clear Blue® Arctic safely and effectively reduces the growth of harmful organisms in an ice machine by over 99%.

Clear Blue® Arctic significantly reduces the time spent maintaining and cleaning your ice machines, and helps ensure the cleanliness and safety of an important consumer-facing system. With Clear Blue® Arctic, your ice machines will run safely and cleanly, without the need for frequent servicing.

MOUNTING LOCATION

While the exact location will vary by brand and model of ice machine, there are several guidelines for determining the optimal installation location for Clear Blue® Arctic.

- Out of consumer line-of-sight: UV-C light is harmful to humans. It is extremely important that the lamp be mounted in a location that eliminates direct UV-C light exposure to consumers. An optional safety interlock switch is available – using this switch allows for mounting lamps directly in the ice collection chamber, by ensuring the lamp is turned off whenever the collection bin door is opened.
- Largest coverage area: for most models, the optimal location is on the inside of the top of the ice machine enclosure, between the deflector and evaporator. This allows for the UV light to cover the largest overall area, as well as positioning the most intense light (closest to the lamp itself) towards the extruding ice, ensuring the most cleaning power.
- Areas of high mold growth and particularly high humidity/moisture: areas inside the ice machine which have been previously shown to be most susceptible to mold/bacterial growth will be most affected by high UV-C exposure. A recommended practice is to position the lamp(s) as close to these high-growth areas as possible.

INSTALLATION

Once a suitable mounting location has been chosen, the next step is to install the UV lamp shield. Using the included self-tapping screws, mount the UV reflector at the chosen location. Ensure that the shield is facing the area to be irradiated, as the UV lamp clips directly onto the UV reflector. Once the shield is mounted, the lamp is installed by simply clipping it into the UV reflector's lamp clips. Ensure that the lamp is orientated properly for connecting to the power supply.

The power supply should be mounted in a dry, insulated location within the ice machine. Ensure that the power supply is mounted away from any ice machine electronics such as sensors or control boards in order to prevent electrical interference. Confirm that the ballast is properly grounded.

Avoid drilling wiring holes in the ice machine – use interior partitions and/or refrigerant line pass-through areas. Use the included wiring diagram (**fig. 1**) to connect the power supply to both the lamp and a 120-277VAC power source. (The wiring diagram can also be found on the power supply itself). Confirm that all wires are fully inserted and secured.

Ensure you are using a constant power source – cycling the UV lamp repeatedly will reduce the lamp's effective life.

While the UV lamp used in Clear Blue® Arctic is designed to be effective without damaging plastic-based materials, over time, discoloration of lighter plastics within the ice machine may occur. While this discoloration is harmless, and the UV lamp is not strong enough to physically deform or damage plastic, Clear Blue® Arctic comes with an adhesive, UV-resistant vinyl sheet. This vinyl sheet should be cut to size and installed over potential areas of discoloration.

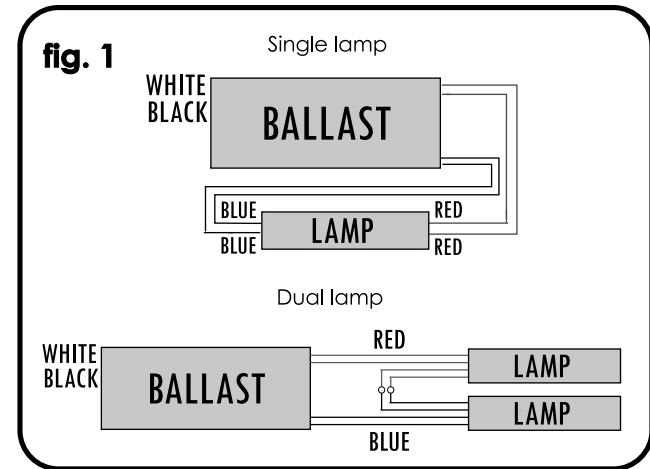
Plastics closest to the UV lamp are most vulnerable. The vinyl sheet, while UV resistant, will not affect the disinfecting power of the UV lamp on covered areas.

REPLACING THE UV LAMP

Clear Blue® Arctic uses a germicidal UV lamp with an effective life of 2 years. After this time period, the lamp should be replaced in order to maintain Clear Blue® Arctic's effectiveness. The lamp may appear to be emitting light even after 2 years; please note that while the lamp may emit visible light for longer than 2 years, the UV light output drops below effective levels after 2 years.

Before replacing the lamp, ensure that the power is completely disconnected. Unclip the old lamp and remove it, then install and connect the new lamp. The UV lamp contains a small amount of mercury and should be disposed of in accordance with local environmental regulations.

Do not dispose of the lamp in common trash disposals.



WARRANTY INFORMATION

REGISTER YOUR PRODUCT



Register your product online and view warranty information:
www.universalsolutions.com