

INSTRUCTION

PRODUCT LINE:	AQUAFINEUV (ALL LAMPS AND SYSTEMS)	DOCUMENT NUMBER:	520535-R
TOPIC:	INSTRUCTION, UV LAMP AND SYSTEM INFORMATION	EDITION/REVISION:	RevA

UV Lamp and System Information

Overview

Read and observe all labels attached to product. See further directions for use, precautionary statements, disinfection claims, storage and disposal information in system product manual.

UV Lamp replacement: The amount of UV light created by the UV lamp decreases over time, requiring that the UV lamp be replaced. Some systems will automatically notify you when it is time to replace the UV lamp.





Quartz Sleeve replacement/maintenance: Minerals in the water slowly form a coating on the quartz sleeve. This coating must be removed because it reduces the amount of UV light reaching the water, thereby reducing performance. If the quartz sleeve can not be cleaned, it must be replaced.

Section 1 Safety Information




Please read this entire instruction sheet and product manual before operating this equipment. Pay attention to all danger, warning, and caution statements in this instruction. Failure to do so could result in serious personal injury or damage to the equipment.

Make sure that the protection provided by this equipment is not impaired. Do not use or install this equipment in any manner other than that specified in the owners manual.



1.1 Safety Precautions

⚠ DANGER	
	<p>Failure to follow these instructions will result in serious injury or death.</p> <p>Shock Hazard - Stored Energy</p> <ul style="list-style-type: none"> • Disconnect power to system before performing any maintenance or repair. • There may be more than one source of power. Only connect to a GFCI. • Protective ground • DO NOT touch with wet hands.
	<p>Pressurized Device - Impalement Hazard</p> <ul style="list-style-type: none"> • NEVER perform any physical inspection, repair or maintenance on UV chamber unless UV chamber has been isolated and depressurized. • NEVER service UV lamps, quartz sleeves or associated hardware until depressurization of UV chamber has been confirmed. • DO NOT store any combustible or flammable material close to the system.
	
	


⚠ WARNING

<p>Failure to follow these instructions could result in serious injury or death.</p>	
	<p>UV Light Hazard</p> <ul style="list-style-type: none"> • ALWAYS use UV protective gear, including gloves and UV safety glasses. • NEVER look directly at illuminated UV lamp, even when using protective gear. • NEVER illuminate UV lamp outside of the UV chamber. • If accidental exposure occurs, immediately cool affected area and consult physician.
	<p>Contamination Hazard</p> <ul style="list-style-type: none"> • If UV lamp breaks, avoid inhalation, ingestion, or exposure to eyes and skin. Wear appropriate clothing and personal protective equipment. • NEVER use a vacuum cleaner to clean up broken UV lamps as this will scatter the mercury. Obey local regulations and guidelines for the removal and disposal of mercury waste.
	<p>WARNING: This product can expose you to chemicals including Phthalates, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.</p>
	<ul style="list-style-type: none"> • Always disconnect power before performing any work on the UV system. • Always shut-off water flow and release water pressure before servicing. • Replace the UV lamp annually (or biennially if seasonal home use) to ensure maximum performance. • Always drain the chamber when closing a seasonal home or leaving the unit in an area subject to freezing temperatures.

⚠ CAUTION

<p>Failure to follow these instructions could result in minor or moderate injury.</p>	
	<p>Thermal Hazard</p> <ul style="list-style-type: none"> • Allow UV lamps, UV chamber to cool for a minimum of 10 (ten) minutes before handling. • When there is no water flow, the water in the chamber will become hot. To prevent scalding, allow the system to cool for 10 minutes before draining the system.
	<p>Personal Injury Hazard</p> <ul style="list-style-type: none"> • UV lamps and quartz sleeves are fragile. Do not strike, bend or apply pressure, or they will break. • DO NOT handle UV lamps or quartz sleeves with bare hands. Wear rubber or latex gloves to handle previously installed UV lamps and soiled quartz sleeves to protect against contaminants. Wear cotton gloves to handle new UV lamps and clean quartz sleeves.
	<p>Hg Exposure</p> <ul style="list-style-type: none"> • The UV lamp contains mercury. If the lamp breaks, then avoid inhalation or ingestion of the debris and avoid exposure to eyes and skin. Never use a vacuum cleaner to clean up a broken lamp as this may scatter the spilled mercury. Obey local regulations and guidelines for the removal and disposal of mercury waste.

NOTICE

	<p>Avoid Injury</p> <ul style="list-style-type: none"> • Read and understand this Instruction Sheet before operating and performing any maintenance on this equipment. • Keep out of reach of children. • The UV system is not to be used or played with by children. Persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, are also not to handle the UV system unless they have been given supervision or instruction.
	<ul style="list-style-type: none"> • The VL200-AD, VL200-ADS, VL200-TD, VL200-TDS, VL410-AD, VL410-ADS, VL410-TD, VL410-TDS, and STERIU5 UV systems disinfect 99.9% of the following: Cryptosporidium, Giardia, E.Coli and Fecal Coliform.
	<ul style="list-style-type: none"> • The VL410-AT, VL410-ATS, VL410-TT, and VL410-TTS UV water systems break down the following trace chemicals: ozone, chlorine, total organic carbon.

Section 2 UV Lamp and System Information

Lamp Part Number	Product	Instruction Sheet Part Number
250449-DS20	VL410-AD	520184-R
	VL410-ADS	
	VL410-TD	
	VL410-TDS	
250449-DS12	VL200-AD	520184-R
	VL200-ADS	
	VL200-TD	
	VL200-TDS	
250450-TS20	VL410-AT	520184-R
	VL410-ATS	
	VL410-TT	
	VL410-TTS	
45635 46060 46061	STERIUV5	520533-R



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