

get genuine

If it's **NOT** a **genuine UVMAX** lamp
it shouldn't be part of your system.

BUILDING WATER CONFIDENCE

Each component of your VIQUA system has been designed and developed through extensive research and development to be part of an overall system that operates safely and efficiently over its entire lifetime.

Genuine lamps guarantee:

- **Safety certified.** Replacement with any other lamp **voids** NSF 55 and UL/CSA/CE certification and compromises safe lamp performance. Using non-genuine lamps results in electrical code no longer being met and safety is at risk.
- VIQUA provides its equipment with complete safety certifications and warranty for its components. Using genuine lamps ensures the maintenance of your system's warranty. VIQUA cannot warranty any system component if non-genuine lamps are used.
- VIQUA systems are third-party validated ensuring effective output and disinfection. Tested and proven system performance ensures disinfection is always achieved.
- VIQUA lamps are LongLife coated for stability, longer life and increased efficiency. Even lamps that look the same will not perform the same.
- **Environmentally friendly:** Your lamps can be recycled at the end of lamp life. Refer to www.lamprecycle.org for information on recycling in your area.



A typical Regular and High-Output lamp, can be easily identified by our UVMAX branding.



A typical Amalgam lamp, used in selected UVMAX products, can be easily identified by our UVMAX branding.

Ensure the performance, safety and warranty
of your **UVMAX** systems....request genuine lamps.
Trust genuine VIQUA lamps to deliver *water confidence*.






WARNING






Use **genuine** lamps. Avoid water safety and warranty issues.

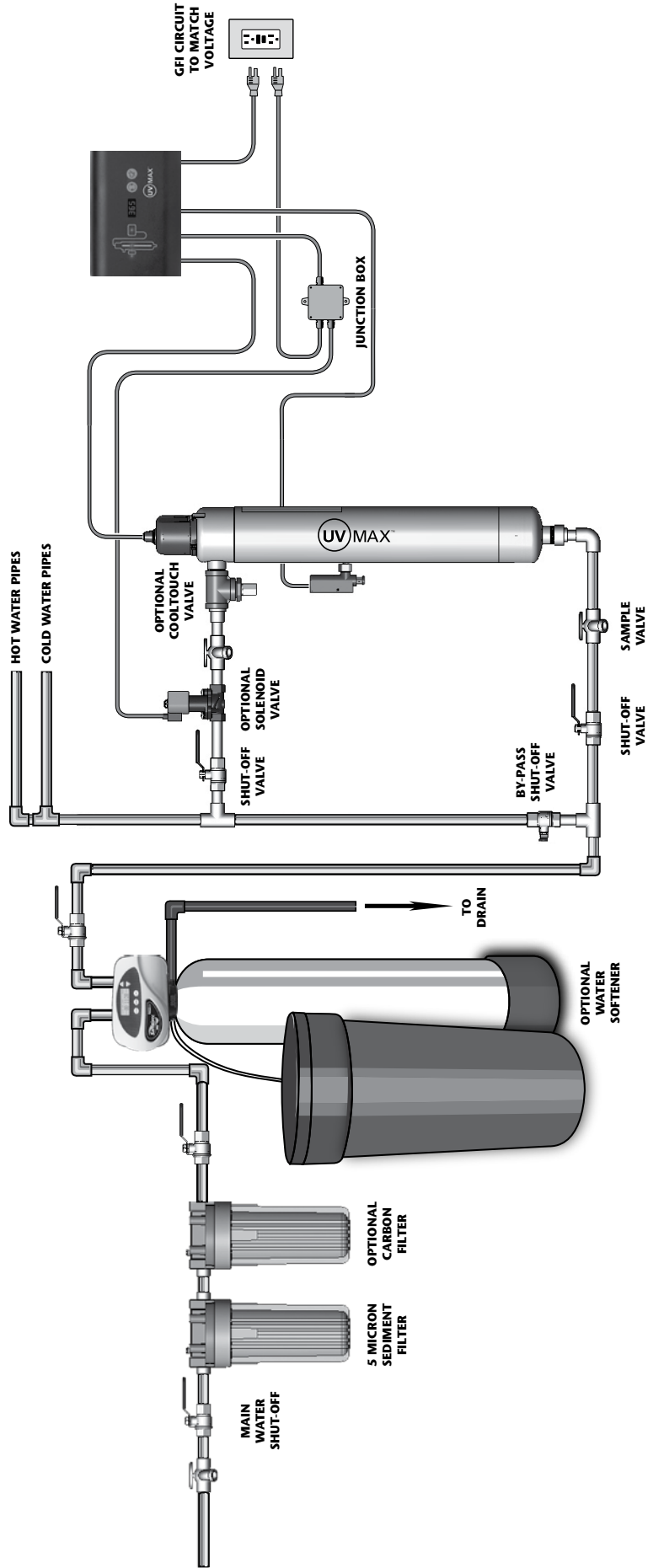
Utilisez les lampes véritables. Évitez les issues de sûreté de l'eau et de garantie.

get genuine



UVMAX Light Commercial Series				
	MODEL	DESCRIPTION	WEIGHT	NOTES
80 GPM	 UVMAX K	K - 80 gpm disinfection, with 2" MNPT inlet/outlet connections on a 316L SS reactor. System comes equipped with an LPHO amalgam UV lamp, and CoolTouch fan to reduce elevated water temperatures. The controller offers an intuitive interface with easy to read LED indicators. System delivers a 30 mJ/cm² dose at end of lamp life. UV Parts: Lamp - 602856, Quartz Sleeve - 602976, Controller - 660018-R	6.4 KG (14 LBS)	
		660001-R – 120V NPT K System		
		660004-R – 230V NPT K System		
80 GPM	 UVMAX K Plus	K Plus - 80 gpm disinfection, with 2" MNPT inlet/outlet connections on a 316L SS reactor. System comes equipped with an LPHO amalgam UV lamp, a UV sensor and CoolTouch fan to reduce elevated water temperatures. The controller offers an intuitive interface with easy to read LED indicators. System delivers a 30 mJ/cm² dose at end of lamp life. UV Parts: Lamp - 602856, Quartz Sleeve - 602976 Controller - 660019-R, Sensor - 650580	6.4 KG (14 LBS)	
		660002-R – 120V NPT K Plus System		
		660005-R – 230V NPT L Plus System		
50 GPM	 UVMAX Pro50	Pro50 - 50 gpm disinfection, with 2" MNPT inlet/outlet connections on a 316L SS reactor. System comes equipped with an LPHO amalgam UV lamp, a UV sensor and CoolTouch fan to reduce elevated water temperatures. The controller offers an intuitive interface with easy to read LED indicators. Validated under the rigors of the USEPA UVDGM 2006 protocol offering proof of performance for a specific dose delivery. UV Parts: Lamp - 602856, Quartz Sleeve - 602976 Controller - 660020-R Sensor - 650580	6.4 KG (14 LBS)	
		660003-R – 120V NPT Pro50 System		
		660006-R – 230V NPT Pro50 System		
NOTE: FLOW RATES STATED AT 95% UVT.				
OPTIONAL				
OPTIONAL	 270270-R	COMMcenter - displays UV dose in real-time, alarm history, lamp hours, and other performance parameters for up to nine systems. Includes owners manual, cables and RS232 adaptor.	0.4 KG (1 LB)	
		270272-R – Includes 603020 Dry Contact Board		
	603020	optional dry contact board for COMMcenter	0.4 KG (1 LB)	
OPTIONAL	 270268-R	4-20mA UV Sensor Interface - The sensor interface is an inexpensive unit and allows for sophisticated controls based on sensor signals rather than alarm set points. This product is compatible with existing SCADA, PLC and/ or other data management systems. The sensor interface is installed between the power supply and the sensor. The sensor interface also has Velcro provided for attachment near the chamber. The approximate dimensions of the sensor interface is 3.3" (L) x 2.2" (W) x 0.8" (D) and has a maximum load resistance of 250 Ohms.	0.4 KG (1 LB)	

Pro Series Systems				
MODEL		DESCRIPTION	WEIGHT	NOTES
10 GPM		Pro10 - 10 GPM disinfection, 316L reactor with combo ports (1¼" MNPT/1" FNPT), built in flow restrictor, 100-240V./50-60 Hz. universal power input, intuitive interface controller with simple plug-and-play colour coded connections, CoolTouch fan included, UV intensity monitor with diagnostic test, Pro series high-output amalgam lamps, optional COMMcenter control package available. UV Parts: Lamp - 602854 , Quartz Sleeve - 602974 , Controller - 650709-003 , Sensor - 650580	11.3 KG (25.0LBS)	
	UVMAX Pro10	650647 – 120V NPT Pro10 System		
		650650 – 230V NPT Pro10 System		
20 GPM		Pro20 - 20 GPM disinfection, 316L reactor with combo ports (1¼" MNPT/1" FNPT), built in flow restrictor, 100-240V./50-60 Hz. universal power input, intuitive interface controller with simple plug-and-play colour coded connections, CoolTouch fan included, UV intensity monitor with diagnostic test, Pro series high-output amalgam lamps, optional COMMcenter control package available. UV Parts: Lamp - 602855 , Quartz Sleeve - 602975 , Controller - 650709-006 , Sensor - 650580	13.4 KG (29.6 LBS)	
	UVMAX Pro20	650653 – 120V NPT Pro20 System		
		650656 – 230V NPT Pro20 System		
30 GPM		Pro30 - 30 GPM disinfection, 316L reactor with combo ports (1¼" MNPT/1" FNPT), built in flow restrictor, 100-240V./50-60 Hz. universal power input, intuitive interface controller with simple plug-and-play colour coded connections, CoolTouch fan included, UV intensity monitor with diagnostic test, Pro series high-output amalgam lamps, optional COMMcenter control package available. UV Parts: Lamp - 602856 , Quartz Sleeve - 602976 , Controller - 650709-009 , Sensor - 650580	15.6 KG (34.4 LBS)	
	UVMAX Pro30	650659 – 120V NPT Pro30 System		
		650662 – 230V NPT Pro30 System		
OPTIONAL				
OPTIONAL		COMMcenter - displays UV dose in real-time, alarm history, lamp hours, and other performance parameters for up to nine systems. Includes owners manual, cables and RS232 adaptor.	0.4 KG (1 LB)	
	270270-R	270272-R – Includes 603020 Dry Contact Board		
	603020	optional dry contact board for COMMcenter	0.4 KG (1 LB)	
		4-20mA UV Sensor Interface - The sensor interface is an inexpensive unit and allows for sophisticated controls based on sensor signals rather than alarm set points. This product is compatible with existing SCADA, PLC and/ or other data management systems. The sensor interface is installed between the power supply and the sensor. The sensor interface also has Velcro provided for attachment near the chamber. The approximate dimensions of the sensor interface is 3.3" (L) x 2.2" (W) x 0.8" (D) and has a maximum load resistance of 250 Ohms.	0.4 KG (1 LB)	
	270268-R			



Typical Point-of-Entry Installation



Do I need any pre-filtration?

Yes, as microbes can potentially be shielded by suspended particles (turbidity) in the water supply, it is necessary to filter the water to remove these suspended particles. A high quality graded density filter cartridge with nominal micron rating of at least 5 microns is recommended.

How do I control the water flow?

As the UV's are designed to operate at a specific flow rate, it is imperative that the systems operate within this design. The use of flow restrictors are recommended to control the flow of the unit. A true flow restrictor designed with a variable orifice that fluctuates based on water pressure is the only flow restrictor that is recommended as those that are simply a "flat washer with a hole in it" do not regulate the flow based on variances in water pressure. As the variable orifice may not be extremely resistant to UV, it is recommended to install the flow restrictor at least 6" away from the outlet port (axial flow reactors can install restrictors directly on installation port).

Should I install a by-pass assembly?

Although not essential, the installation of a simple by-pass assembly would allow for emergency use of the water in case the UV unit was required to be removed from service. A simple by-pass assembly with three isolation valves can be installed quite easily.

As UV has no residual, how do I make sure the entire distribution system is free from bacteriological contaminants?

To ensure a bacteriologically-free distribution system, it is imperative that the entire water system located after the UV is chemically disinfected. This is easily accomplished by filling the pre-filter with 1-2 cups of household bleach and allowing this to flow through the system. While doing this, you must ensure that all taps, including outside faucets, dishwashers, washing machines, etc. pass chlorinated water. Once you detect the bleach at the faucets, shut the faucet off and wait a minimum of 20 minutes to allow adequate disinfection. Return to all locations and flush the chemical disinfectant from the system. Make sure the UV is on during this procedure. Remember to have your water tested on a regular basis to ensure that your system is operating correctly.

Will the UV restrict my water pressure?

No, the UV systems are designed with inlet/outlet ports correctly sized for the specific application. As an example, the 10 gpm system comes with 3/4" ports. The typical pressure drop on this system would be 2-3 psi.

What size of system do I need?

VIQUA offers many different models in sizes ranging from 1 gpm to 80 gpm. An average household UV ranges in size from 5 to 12 gpm. Determining your pump's flow rate will typically determine your required flow rate. It is important to never under size the UV; when in doubt about the size, always choose the next largest size.

How do I clean the quartz sleeve?

If the quartz sleeve becomes stained, remove the sleeve from the reactor chamber and clean with a commercially available scale remover such as Lime-Away or CLR. Always use an acid based product.

How much space does a UV require?




As the UV lamps and/or sleeves need to be periodically removed from the reactor chamber, you must leave a least double the length of the disinfection system to facilitate removal.



Should I be concerned about the adequacy of my electrical system?




The UV system does require consistent power, both voltage and frequency, for the system to operate effectively. To compensate for variations in power supplies, VIQUA systems incorporate proprietary electronic ballast technology. The electronic ballast provides a constant output voltage regardless of variations in input frequency or voltage. This results in consistent UV output and consistent UV dose. It is recommended to install the UV on a separate outlet protected by GFI (ground fault interrupter).



G, H, J Plus – Series Systems

	MODEL	DESCRIPTION	WEIGHT	NOTES
19 GPM		G Plus - 19 GPM disinfection, 316L reactor with combo ports (1¼" MNPT/1" FNPT), 100-240V./50-60 Hz. universal power input, intuitive interface controller with simple plug-and-play colour coded connections, CoolTouch fan included, UV intensity monitor with diagnostic test, and featuring high-output amalgam lamps. UV Parts: Lamp - 602854 , Quartz Sleeve - 602974 , Controller - 650709-002 , Sensor - 650580	4.5 KG (10 LBS)	
		650646 – 120V NPT G Plus System		
		650649 – 230V NPT G Plus System		
39 GPM		H Plus - 39 GPM disinfection, 316L reactor with combo ports (1¼" MNPT/1" FNPT), 100-240V./50-60 Hz. universal power input, intuitive interface controller with simple plug-and-play colour coded connections, CoolTouch fan included, UV intensity monitor with diagnostic test, and featuring high-output amalgam lamps. UV Parts: Lamp - 602855 , Quartz Sleeve - 602975 , Controller - 650709-005 , Sensor - 650580	4.9 KG (11 LBS)	
		650652 – 120V NPT H Plus System		
		650655 – 230V NPT H Plus System		
45 GPM		J Plus - 45 GPM disinfection, 316L reactor with combo ports (1¼" MNPT/1" FNPT), 100-240V./50-60 Hz. universal power input, intuitive interface controller with simple plug-and-play colour coded connections, CoolTouch fan included, UV intensity monitor with diagnostic test, and featuring high-output amalgam lamps. UV Parts: Lamp - 602856 , Quartz Sleeve - 602976 , Controller - 650709-008 , Sensor - 650580	6.4 KG (14 LBS)	
		650658 – 120V NPT J Plus System		
		650661 – 230V NPT J Plus System		
NOTE: 230V systems are shipped with European (CEE-7/7) 2-prong with ground "Schuko" power cord.				

OPTIONAL				
OPTIONAL		COMMcenter - displays UV dose in real-time, alarm history, lamp hours, and other performance parameters for up to nine systems. Includes owners manual, cables and RS232 adaptor.	0.4 KG (1 LB)	
		270270-R		
	603020	optional dry contact board for COMMcenter	0.4 KG (1 LB)	
		4-20mA UV Sensor Interface - The sensor interface is an inexpensive unit and allows for sophisticated controls based on sensor signals rather than alarm set points. This product is compatible with existing SCADA, PLC and/ or other data management systems. The sensor interface is installed between the power supply and the sensor. The sensor interface also has Velcro provided for attachment near the chamber. The approximate dimensions of the sensor interface is 3.3" (L) x 2.2" (W) x 0.8" (D) and has a maximum load resistance of 250 Ohms.	0.4 KG (1 LB)	
		270268-R		

G, H, J – Series Systems				
	MODEL	DESCRIPTION	WEIGHT	NOTES
19 GPM	 UVMAX G	G - 19 GPM disinfection, 316L reactor with combo ports (1¼" MNPT/1" FNPT), 100-240V./50-60 Hz. universal power input, intuitive interface controller with simple plug-and-play colour coded connections, CoolTouch fan included, and featuring high-output amalgam lamps. UV Parts: Lamp - 602854 , Quartz Sleeve - 602974 , Controller - 650709-001	4.5 KG (10 LBS)	
		650645 – 120V NPT G System		
		650648 – 230V NPT G System		
39 GPM	 UVMAX H	H - 39 GPM disinfection, 316L reactor with combo ports (1¼" MNPT/1" FNPT), 100-240V./50-60 Hz. universal power input, intuitive interface controller with simple plug-and-play colour coded connections, CoolTouch fan included, and featuring high-output amalgam lamps. UV Parts: Lamp - 602855 , Quartz Sleeve - 602975 , Controller - 650709-004	4.9 KG (11 LBS)	
		650651 – 120V NPT H System		
		650654 – 230V NPT H System		
45 GPM	 UVMAX J	J - 45 GPM disinfection, 316L reactor with combo ports (1¼" MNPT/1" FNPT), 100-240V./50-60 Hz. universal power input, intuitive interface controller with simple plug-and-play colour coded connections, CoolTouch fan included, and featuring high-output amalgam lamps. UV Parts: Lamp - 602856 , Quartz Sleeve - 602976 , Controller - 650709-007	6.4 KG (14 LBS)	
		650657 – 120V NPT J System		
		650660 – 230V NPT J System		
NOTE: 230V systems are shipped with European (CEE-7/7) 2-prong with ground "Schuko" power cord.				

Frequently asked questions about UV disinfection:

Is UV effective against protozoa such as Cryptosporidium and Giardia lamblia?
Yes, as a result of recent findings by academic researchers, it has now been proven that UV is the best available technology to treat these protozoan cysts. In addition, the dose levels required to inactivate these cysts are actually quite low: less than 10 mJ/cm² for 99.9% reduction of both Cryptosporidium parvum and Giardia lamblia.

Why do I need to disinfect my water supply?
Disinfection is recommended for all water supplies that are not protected by a municipal water source. Unfortunately, due to the uncertainties that exist with our current water supplies, we can no longer rely on the fact that our water supplies "may be safe." By providing your own disinfection, you are taking the responsibility of ensuring the safety of your water supply for you and your family.

Does UV remove E. coli?
Yes, E. coli requires a UV dose of between 6 to 10 mJ/cm² to achieve a 4-log disinfection. This is well within the capabilities of VIQUA UV systems which actually deliver a minimum of 30 mJ/cm²

Is UV 100% effective?
UV disinfection typically offers a 4-log reduction (99.99%) for both bacteria and most viruses. UV is more effective than chemical disinfection processes at destroying a wide range of viruses

How do I know the system is working?
All VIQUA systems are equipped with "lamp-out" monitors which give an audible and visual signal in case of lamp failure.

Do I need to disinfect my municipal water supply?
Our municipalities work very hard to provide safe, disinfected water for their customers. This is quite evident when you consider the difficulties involved in providing safe drinking water through a vast distribution network. If you use water that comes from a municipal water supply and wish to provide your family with added "peace of mind," then we believe a UV system acts as an inexpensive insurance policy against the possibility of drinking bacteriologically contaminated water.

How much does it cost to operate UV systems?
UV systems are extremely economical to operate. A typical 10 gpm whole house UV system operates on the same power requirements as a 40 watt light bulb!

Will UV change the taste of my water?
No, UV is a physical disinfection process. It does not change the taste or odour of the water. It simply provides safe, reliable disinfection and adds nothing to the water.

Should I shut my system off when I am not using it?
No, the UV system should be left on whether you are using the water or not. The lamps age regardless of the amount of water drawn through the system. By leaving the unit on, you will eliminate the potential problem of having contamination pass through the system while the unit is off. However, if water is drained from your disinfection system (e.g. winterizing), your UV system must be switched off.

What are the annual maintenance requirements?
UV lamps have a useful life of approximately 9000 hours which means that the lamps require annual replacement. The UV light may offer illumination beyond 1 year, however there will not be enough UV energy to provide adequate disinfection. Proper maintenance of any pre-treatment is also required. The sleeve should be cleaned at least once a year.

Do I need to consider the quality of my water prior to the UV?
Yes, for UV to be effective, it is recommended that the influent water contain the following:

- Iron < 0.3 ppm (0.3 mg/L)
- Hardness < 7gpg
- Turbidity < 1NTU

- Manganese < 0.05 ppm (0.05 mg/L)
- Tannins < 0.1 ppm (0.1 mg/L)
- UV transmittance > 75%

Note: These calculations are minimums and it is best practice to re-treat beyond these values. If you are unsure of the quality of the water supply, it is imperative to have the water tested. A UV transmittance test (UVT) is strongly recommended for problem water, or water that is coloured (eg. some surface water supplies). To find out more information about UVT tests, please contact VIQUA for further information.



Specifications – A, B4, C4, D4, E4, F4/V Series and IHS12-D4 Systems

MODEL	A, DWS11-A	B4, B4-V	C4, C4-V	D4/D4 Plus/V Plus/IHS12-D4	E4/E4 Plus/E4-V Plus	F4/F4 Plus/F4-V Plus
*Flow Rates	0-3 GPM (0-11 LPM)	3-6 GPM (11-23 LPM)	7-16 GPM (26-60 LPM)	7-16 GPM (26-60 LPM)	12-29 GPM (45-110 LPM)	20-45 GPM (76-170 LPM)
Maximum rated flow at dose of 16mJ/cm² @70% UVT (Class B)	_____	4.3 GPM (16.3 LPM)	8.9 GPM (33.7 LPM)	8.9 GPM (33.7 LPM)	15.8 GPM (59.8 LPM)	26.1 GPM (98.8 LPM)
No-tools maintenance	✓	✓	✓	✓	✓	✓
Constant current electronic power supply	✓	✓	✓	✓	✓	✓
Safety cap & special lamp plug	Safety cap only	✓	✓	✓	✓	✓
Lamp operation indicator	✓	✓	✓	✓	✓	✓
Power supply operation indicator	✓	✓	✓	✓	✓	✓
Sensor operation indicator	--	--	--	D4 Plus	E4 Plus	F4 Plus
Sensor with diagnostic test	--	--	--	D4 Plus	E4 Plus	F4 Plus
Reference card	--	✓	✓	✓	✓	✓
Lamp timer display	--	--	--	✓	✓	✓
Lamp timer reset button	--	--	--	✓	✓	✓
Mute button	--	--	--	✓	✓	✓
Solenoid valve				Optional	Optional	Optional
External control relay				Optional	Optional	Optional
Chamber material	304 SST	304 SST	304 SST	304 SST	316 SST	316 SST
Inlet/Outlet	3/8" FNPT	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT
ELECTRICAL						
Voltage	120-230V AC	100-240V AC	100-240V AC	100-240V AC	100-240V AC	100-240V AC
Frequency	50-60Hz	50-60Hz	50-60Hz	50-60Hz	50-60Hz	50-60Hz
Max. current	0.4 Amp	0.4 Amp	0.5 Amp	0.5 Amp	0.85 Amp	1.2 Amp
Max. power consumption	22 Watts	36 Watts	50 Watts	50 Watts	83 Watts	130 Watts
Lamp power	14 Watts	25 Watts	40 Watts	40 Watts	70 Watts	110 Watts
DIMENSIONS						
Chamber	15.5" x 2.5" 39 x 6.5cm	14.5" x 4" 37 x 10cm	20.5" x 4" 52 x 10cm	20.5" x 4" 52 x 10cm	30" x 4" 76 x 10cm	44.25" x 4" 112.5 x 10cm
Power supply	2.8" x 3.3" 7 x 8cm	8.5" x 6" 22 x 15cm	8.5" x 6" 22 x 15cm	8.5" x 6" 22 x 15cm	8.5" x 6" 22 x 15cm	8.5" x 6" 22 x 15cm

* Flow rates are shown at 85% UVT.




General (All Models)

Operating Parameters			
Maximum operating pressure	125 PSI (862 kPa)	Maximum iron	0.3 ppm
Maximum ambient air temperature	122 °F (50°C)	Minimum UVT	75%
Minimum ambient air temperature	32°F (0°C)	Installation	Vertical or horizontal *
Maximum hardness	120 ppm (7 grains per gallon)		

* Systems with sensors must be installed vertically.






D4, E4, F4 Plus – Series Systems

	MODEL	DESCRIPTION	WEIGHT	NOTES
9 GPM		D4 Plus - 9 GPM disinfection, UVMAX controller with water-resistant case, LED display showing lamp replacement reminder, indicator lights on the controller show the status of each system component, lamp timer reset button and mute button to silence audio alarm. Stainless steel chamber with safety cap and special lamp plug, 3/4" MNPT connections, UV intensity monitor with diagnostic test, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602805 , Quartz Sleeve - 602732 , Controller - 650713-008 , Sensor - 650703	4.5 KG (10 LBS)	
		650695 – 120V NPT D4 Plus System		
		650697 – 230V NPT D4 Plus System		
		UVMAX D4 Plus		
15 GPM		E4 Plus - 15 GPM disinfection, UVMAX controller with water-resistant case, LED display showing lamp replacement reminder, indicator lights on the controller show the status of each system component, lamp timer reset button and mute button to silence audio alarm. Stainless steel chamber with safety cap and special lamp plug, 1" MNPT connections, UV intensity monitor with diagnostic test, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602806 , Quartz Sleeve - 602733 , Controller - 650713-002 , Sensor - 650703	4.9 KG (11 LBS)	
		650683 – 120V NPT E4 Plus System		
		650719 – 230V NPT E4 Plus System		
		UVMAX E4 Plus		
25 GPM		F4 Plus - 25 GPM disinfection, UVMAX controller with water-resistant case, LED display showing lamp replacement reminder, indicator lights on the controller show the status of each system component, lamp timer reset button and mute button to silence audio alarm. Stainless steel chamber with safety cap and special lamp plug, 1" MNPT connections, UV intensity monitor with diagnostic test, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602807 , Quartz Sleeve - 602734 , Controller - 650713-004 , Sensor - 650703	6.4 KG (14 LBS)	
		650687 – 120V NPT F4 Plus System		
		650721 – 230V NPT F4 Plus System		
		UVMAX F4 Plus		

Integrated Home System IHS12-D4 and /2

	MODEL	DESCRIPTION	WEIGHT	NOTES
9 GPM		IHS12-D4 - 9 GPM disinfection, compact high-flow system, based on the D4, equipped with painted steel bracket, 10" 5-micron, high-flow pre-filter, 20" 5-micron carbon block pre-filter, both equipped with pressure release valve. System also comes equipped with a quick connect drain plug, UVMAX controller with water-resistant case, LED display showing lamp replacement reminder, indicator lights on the power source show the status of each system component, lamp timer reset button and mute button to silence audio alarm. Stainless steel chamber with safety cap and special lamp plug, 3/4" MNPT connections, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602805 , Quartz Sleeve - 602732 , Controller - 650713-013 Cartridge Parts: dirt/rust - CMB-510-HF , 10" sediment 5µ, taste/odour - C2-02 , 20" modified block carbon 5µ	15.9 KG (35 LBS)	
		IHS12-D4 - 120V NPT Integrated Home System		
		IHS12-D4/2 - 230V NPT Integrated Home System		
		IHS12-D4		

D4-V Plus, E4-V Plus, F4-V Plus – Series Systems NEW			
	MODEL	DESCRIPTION	WEIGHT
8.9 GPM		D4-V Plus - 8.9 GPM disinfection, UVMAX controller with water-resistant case, LED display showing lamp replacement reminder, indicator lights on the controller show the status of each system component, lamp timer reset button and mute button to silence audio alarm. Stainless steel chamber with safety cap and special lamp plug, ¾" MNPT connections, dynamic stainless steel flow restrictor, UV intensity monitor with diagnostic test, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602805 , Quartz Sleeve - 602732 , Controller - 650713-008 , Sensor - 650703	4.5 KG (10 LBS)
	UVMAX D4-V Plus	660042-R – 120V NPT D4-V Plus System	
15.8 GPM		E4-V Plus - 15.8 GPM disinfection, UVMAX controller with water-resistant case, LED display showing lamp replacement reminder, indicator lights on the controller show the status of each system component, lamp timer reset button and mute button to silence audio alarm. Stainless steel chamber with safety cap and special lamp plug, 1" MNPT connections, dynamic stainless steel flow restrictor, UV intensity monitor with diagnostic test, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602806 , Quartz Sleeve - 602733 , Controller - 650713-002 , Sensor - 650703	4.9 KG (11 LBS)
	UVMAX E4-V Plus	660043-R – 120V NPT E4-V Plus System	
26.1 GPM		F4-V Plus - 26.1 GPM disinfection, UVMAX controller with water-resistant case, LED display showing lamp replacement reminder, indicator lights on the controller show the status of each system component, lamp timer reset button and mute button to silence audio alarm. Stainless steel chamber with safety cap and special lamp plug, 1" MNPT connections, dynamic stainless steel flow restrictor, UV intensity monitor with diagnostic test, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602807 , Quartz Sleeve - 602734 , Controller - 650713-004 , Sensor - 650703	6.4 KG (14 LBS)
	UVMAX F4-V Plus	660044-R – 120V NPT F4-V Plus System	

Specifications – K, K Plus, and Pro50 Systems

	K, K Plus**	Pro50*
Rated flow at dose of 30 mJ/cm²	45-80 GPM (170-303 LPM)	---
Rated flow at dose of 40 mJ/cm²	---	50 GPM (189 LPM)
Electrical		
Voltage	120-240V AC	120-240V AC
Frequency	50-60Hz	50-60Hz
Max. current	2.4 Amp	2.4 Amp
Max. power consumption	230 Watts	230 Watts
Lamp power consumption	200 Watts	200 Watts
Dimensions		
Chamber	41" x 4" 103 x 10cm	41" x 4" 103 x 10cm
Power Supply	13" x 6.5" 33 x 16.5cm	13" x 6.5" 33 x 16.5cm

*Flow rates shown are at 85% UVT and End of Lamp Life.
** Flow rates shown are at 95% UVT and End of Lamp Life.

General	
Colour-coded plug and play connections	Yes
UV intensity monitor with diagnostic test	Yes (Plus & Pro models only)
CoolTouch fan	Yes
Communications ports (two, RJ45)	Yes
Chamber material	316L SST
Rated service life of lamp	2 years
Inlet and outlet	2" MNPT
Controls	
Audible alarm mute button	Yes
New lamp button	Yes
Lamp age indicator	Yes
Lamp operation indicator	Yes
Ballast operation indicator	Yes
Solenoid operation indicator	Yes
Fan operation indicator	Yes
Sensor reading indicator	Yes
Operating Parameters	
Maximum operating pressure	100 PSI (689 kPa)
Minimum operating pressure	10 PSI (69 kPa)
Maximum ambient air temperature	104°F (40°C)
Minimum ambient air temperature	32°F (0°C)
Maximum humidity	100%
Maximum hardness	120 ppm (7 grains per gallon)
Maximum iron	0.3 ppm
Minimum UVT	85%
Installation	Vertical
Third Party Validation	
USEPA UVDGM 2006	
Other certifications	
cUL US LISTED CE	



Specifications – G, H, J Systems

	G, G Plus	H, H Plus	J, J Plus
Rated flow at dose of 30 mJ/cm²	up to 19 GPM (72 LPM)	20-39 GPM (76-148 LPM)	40-45* GPM (151-170 LPM)
Rated flow at dose of 40 mJ/cm²	up to 15 GPM (57 LPM)	16-29 GPM (61-110 LPM)	30-44 GPM (14-167 LPM)
Electrical			
Voltage	120-240V AC	120-240V AC	120-240V AC
Frequency	50-60Hz	50-60Hz	50-60Hz
Max. current	1.2 Amp	1.6 Amp	2.4 Amp
Max. power consumption	120 Watts	160 Watts	230 Watts
Lamp power consumption	100 Watts	140 Watts	200 Watts
Dimensions			
Chamber	22" x 4" 54 x 10cm	31" x 4" 78 x 10cm	41" x 4" 103 x 10cm
Power Supply	13" x 6.5" 33 x 16.5cm	13" x 6.5" 33 x 16.5cm	13" x 6.5" 33 x 16.5cm

Flow Rates shown are 85% UVT and End of Lamp Life
* Inlet/outlet size restricts flow to 45 gpm and the dose will be 39 mJ/cm²






General	
Colour-coded plug and play connections	Yes
CoolTouch fan	Yes
Sensor with diagnostic test	Optional (Plus)
Solenoid valve	Optional
Chamber material	316L SST
Rated service life of lamp	2 years
Inlet and outlet	Combo 1 ¼" NPT, 1" FNPT
Controls	
Audible alarm mute button	Yes
New lamp button	Yes
Lamp age indicator	Yes
Lamp operation indicator	Yes
Power supply operation indicator	Yes
Solenoid operation indicator	Yes
Fan operation indicator	Yes
Sensor reading indicator	Yes
Operating Parameters	
Maximum operating pressure	100 PSI (689 kPa)
Minimum operating pressure	10 PSI (69 kPa)
Maximum ambient air temperature	104°F (40°C)
Minimum ambient air temperature	32°F (0°C)
Maximum humidity	100%
Maximum hardness	120 ppm (7 grains per gallon)
Maximum iron	0.3 ppm
Minimum UVT	75%
Installation	Vertical
Other certifications	



B4, C4, D4, E4, F4 – Series Systems



	MODEL	DESCRIPTION	WEIGHT	NOTES
4 GPM	 UVMAX B4	B4 - 4 GPM disinfection, UVMAX controller with water-resistant case, indicator lights on the power source show the status of each system component. Stainless steel chamber with safety cap and special lamp plug, ¾" MNPT connections, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602804 , Quartz Sleeve - 602731 , Controller - 650713-005 650690 – 120V NPT B4 System 650691 – 230V NPT B4 System	3.6 KG (8 LBS)	
9 GPM	 UVMAX C4	C4 - 9 GPM disinfection, UVMAX controller with water-resistant case, indicator lights on the power source show the status of each system component. Stainless steel chamber with safety cap and special lamp plug, ¾" MNPT connections, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602805 , Quartz Sleeve - 602732 , Controller - 650713-006 650692 – 120V NPT C4 System 650693 – 230V NPT C4 System	4.5 KG (10 LBS)	
9 GPM	 UVMAX D4	D4 - 9 GPM disinfection, UVMAX controller with water-resistant case, LED display showing lamp replacement reminder, indicator lights on the power source show the status of each system component, lamp timer reset button and mute button to silence audio alarm. Stainless steel chamber with safety cap and special lamp plug, ¾" MNPT connections, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602805 , Quartz Sleeve - 602732 , Controller - 650713-007 650694 – 120V NPT D4 System 650696 – 230V NPT D4 System	4.5 KG (10 LBS)	
15 GPM	 UVMAX E4	E4 - 15 GPM disinfection, UVMAX controller with water-resistant case, LED display showing lamp replacement reminder, indicator lights on the power source show the status of each system component, lamp timer reset button and mute button to silence audio alarm. Stainless steel chamber with safety cap and special lamp plug, 1" MNPT connections, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602806 , Quartz Sleeve - 602733 , Controller - 650713-001 650682 – 120V NPT E4 System 650718 – 230V NPT E4 System	5.9 KG (13 LBS)	
25 GPM	 UVMAX F4	F4- 25 GPM disinfection, UVMAX controller with water-resistant case, LED display showing lamp replacement reminder, indicator lights on the power source show the status of each system component, lamp timer reset button and mute button to silence audio alarm. Stainless steel chamber with safety cap and special lamp plug, 1" MNPT connections, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602807 , Quartz Sleeve - 602734 , Controller - 650713-003 650686 – 120V NPT F4 System 650720 – 230V NPT F4 System	8.2 KG (18 LBS)	




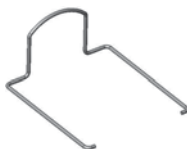


NOTE: 230V systems are shipped with European (CEE-7/7) 2-prong with ground "Schuko" power cord.


B4-V, C4-V, D4-V, E4-V, F4-V – Series Systems			NEW	
	MODEL	DESCRIPTION	WEIGHT	NOTES
4.3 GPM	 UVMAX B4-V	B4-V - 4.3 GPM disinfection, UVMAX controller with water-resistant case, indicator lights on the power source show the status of each system component. Stainless steel chamber with safety cap and special lamp plug, ¾" MNPT connections, dynamic stainless steel flow restrictor, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602804 , Quartz Sleeve - 602731 , Controller - 650713-005 660037-R – 120V NPT B4-V System	3.6 KG (8 LBS)	
8.9 GPM	 UVMAX C4-V	C4-V - 8.9 GPM disinfection, UVMAX controller with water-resistant case, indicator lights on the power source show the status of each system component. Stainless steel chamber with safety cap and special lamp plug, ¾" MNPT connections, dynamic stainless steel flow restrictor, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602805 , Quartz Sleeve - 602732 , Controller - 650713-006 660038-R – 120V NPT C4-V System	4.5 KG (10 LBS)	
8.9 GPM	 UVMAX D4-V	D4-V - 8.9 GPM disinfection, UVMAX controller with water-resistant case, LED display showing lamp replacement reminder, indicator lights on the power source show the status of each system component, lamp timer reset button and mute button to silence audio alarm. Stainless steel chamber with safety cap and special lamp plug, ¾" MNPT connections, dynamic stainless steel flow restrictor, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602805 , Quartz Sleeve - 602732 , Controller - 650713-007 660039-R – 120V NPT D4-V System	4.5 KG (10 LBS)	
15.8 GPM	 UVMAX E4-V	E4-V - 15.8 GPM disinfection, UVMAX controller with water-resistant case, LED display showing lamp replacement reminder, indicator lights on the power source show the status of each system component, lamp timer reset button and mute button to silence audio alarm. Stainless steel chamber with safety cap and special lamp plug, 1" MNPT connections, dynamic stainless steel flow restrictor, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602806 , Quartz Sleeve - 602733 , Controller - 650713-001 660040-R – 120V NPT E4-V System	5.9 KG (13 LBS)	
26.1 GPM	 UVMAX F4-V	F4-V - 26.1 GPM disinfection, UVMAX controller with water-resistant case, LED display showing lamp replacement reminder, indicator lights on the power source show the status of each system component, lamp timer reset button and mute button to silence audio alarm. Stainless steel chamber with safety cap and special lamp plug, 1" MNPT connections, dynamic stainless steel flow restrictor, 100-240V./50-60 Hz. universal power input, high-output UV lamp. UV Parts: Lamp - 602807 , Quartz Sleeve - 602734 , Controller - 650713-003 660041-R – 120V NPT F4-V System	8.2 KG (18 LBS)	
NOTE: 230V systems are shipped with European (CEE-7/7) 2-prong with ground "Schuko" power cord.				

Specifications – Pro Series Systems


	Pro10	Pro20	Pro30
Rated flow at dose of 40 mJ/cm²	10 GPM (37.9 LPM)	20 GPM (75.7 LPM)	30 GPM (113.5 LPM)
Electrical			
Voltage	120-240V AC	120-240V AC	120-240V AC
Frequency	50-60Hz	50-60Hz	50-60Hz
Max. current	1.2 Amp	1.6 Amp	2.4 Amp
Max. power consumption	120 Watts	160 Watts	230 Watts
Lamp power consumption	100 Watts	140 Watts	200 Watts
Dimensions			
Chamber	22" x 4" 54 x 10cm	31" x 4" 78 x 10cm	41" x 4" 103 x 10cm
Power Supply	13" x 6.5" 33 x 16.5cm	13" x 6.5" 33 x 16.5cm	13" x 6.5" 33 x 16.5cm








General	
Colour-coded plug and play connections	Yes
UV intensity monitor with diagnostic test	Yes
CoolTouch fan	Yes
Dynamic flow restrictor	Yes
Communications ports (two, RJ45)	Yes
COMMcenter control package	Optional
Solenoid valve	Optional
Chamber material	316L SST
Rated service life of lamp	2 years
Inlet and outlet	Combo 1 ¼" NPT, 1" FNPT
Controls	
Audible alarm mute button	Yes
New lamp button	Yes
Lamp age indicator	Yes
Lamp operation indicator	Yes
Ballast operation indicator	Yes
Solenoid operation indicator	Yes
Fan operation indicator	Yes
Sensor reading indicator	Yes
Operating Parameters	
Maximum operating pressure	100 PSI (689 kPa)
Minimum operating pressure	10 PSI (69 kPa)
Maximum ambient air temperature	104°F (40°C)
Minimum ambient air temperature	32°F (0°C)
Maximum humidity	100%
Maximum hardness	120 ppm (7 grains per gallon)
Maximum iron	0.3 ppm
Minimum UVT	75%
Installation	Vertical
NSF/ANSI certification	
	 Standard 55 Class A
Other certifications	
	 LISTED



Miscellaneous Parts				
MODEL		DESCRIPTION	WEIGHT	NOTES
MISC. PARTS FOR – PRO 10, 20, 30, 50, G, H, J, K, AND PLUS SERIES				
	602916	top sleeve bolt (wire form sold separately)	0.4 KG (1 LB)	
	603053	bottom sleeve bolt	0.4 KG (1 LB)	
	602988	sleeve removal tool	0.4 KG (1 LB)	
	602896	wire form (lamp cord retainer)	0.4 KG (1 LB)	
	002233	o-ring for Pro sleeves	0.4 KG (1 LB)	
MISC. PARTS FOR – A, B4, C4, D4, E4, F4, PLUS AND V SERIES AND IHS12-D4 SYSTEMS				
	602665	sleeve bolt	0.4 KG (1 LB)	
	603000	safety cap (not used in 650388 – UVMAX A)	0.4 KG (1 LB)	
	002045	o-ring for all sleeves except Pro	0.4 KG (1 LB)	
FOR USE WITH OBSOLETE SYSTEMS (FROM 1994-2008)				
602665	sleeve bolt for A-F/PLUS, PRO7/15 SYSTEMS		0.4 KG (1 LB)	
602145	sleeve bolt for ADVANTAGE AND 700 SERIES		0.4 KG (1 LB)	
LH-008	lamp socket for UV 602/605/608 SERIES		0.4 KG (1 LB)	


A – Series System				
MODEL		DESCRIPTION	WEIGHT	NOTES
1 GPM		A - 1 GPM disinfection, stainless steel chamber with safety cap, constant current electronic power supply, 3/8" FNPT connections, low pressure UV lamp.	2.3 KG (5 LBS)	
		UV Parts: Lamp - 602803, Quartz Sleeve - 602730, Power Supply - 650414 – 120V, 650415 – 230V		
		650388 – 120V NPT A System		
		650387 – 230V NPT A System		

Drinking Water System

MODEL	DESCRIPTION	WEIGHT	NOTES
<div>1 GPM</div> <div></div> <div>DWS11-A</div>	<p>A -1GPM disinfection system equipped with 2 filter housings for 5 micron sediment and taste/odour (chlorine) reduction. Unit supplied with faucet, saddle valve, tubing and fittings.</p> <p>Cartridge Parts: dirt/rust - AWP110, taste/odour - C-01</p> <p>UV Parts: Lamp - 602803, Quartz Sleeve - 602730, Power Supply - 650414 – 120V, 650415 – 230V</p>	5.9 KG (13 LBS)	
	DWS11-A – 120V NPT Drinking Water System		
	DWS11-A/2 – 230V NPT Drinking Water System		

Remote Alarms				
MODEL		DESCRIPTION	WEIGHT	NOTES
	270270-R	COMMcenter - for Pro series, G, H, J, K and Plus series systems, displays UV dose in real-time, alarm history, lamp hours, and other performance parameters for up to nine systems. Includes owners manual, cables and RS232 adaptor.	0.4 KG (1 LB)	
	270272-R – Includes 603020 Dry Contact Board			
603020	dry contact board for COMMcenter		0.4 KG (1 LB)	
	602942	RJ45 (ethernet) cable	0.4 KG (1 LB)	
	603071	remote options cord for D4, E4, F4 AND PLUS SERIES	0.4 KG (1 LB)	
	270268-R	4-20mA UV Sensor Interface - The sensor interface is an inexpensive unit and allows for sophisticated controls based on sensor signals rather than alarm set points. This product is compatible with existing SCADA, PLC and/or other data management systems. The sensor interface is installed between the power supply and the sensor. The sensor interface also has Velcro provided for attachment near the chamber. The approximate dimensions of the sensor interface is 3.3" (L) x 2.2" (W) x 0.8" (D) and has a maximum load resistance of 250 Ohms.	0.4 KG (1 LB)	
FOR USE WITH OBSOLETE SYSTEMS				
602661	remote options cord for D, E, F AND PLUS MODELS, PRO7/15 SERIES		0.4 KG (1 LB)	
Temperature Management Systems				
MODEL		DESCRIPTION	WEIGHT	NOTES
	650630	CoolTouch fan kit – significantly reduces the water temperature without wasting any water for G, H, J, K, AND PLUS SERIES, PRO 10, 20, 30, 50 SERIES	0.9 KG (2 LBS)	
	650537	CoolTouch 3/4" valve kit for D4/PLUS AND D/PLUS SERIES	0.9 KG (2 LBS)	
	650538	CoolTouch 1" valve kit for E4, E, F4, F AND PLUS SERIES	0.9 KG (2 LBS)	

Electrical Cords/Lamp Harness				
MODEL		DESCRIPTION	WEIGHT	NOTES
POWER CORDS				
602637	Continental European (CEE 7/7), 2-pin with ground "Schuko" 90DEG (230V)		0.4 KG (1 LB)	
260012	UK version (BS 1363), 3-prong grounded (5 Amp fuse)		0.4 KG (1 LB)	
260013	Australian version (AS 3112), 3-prong grounded		0.4 KG (1 LB)	
260019	supplied with "bare leads" (no plug)		0.4 KG (1 LB)	
602636	120V replacement cord for all UVMAX products (North American plug)		0.4 KG (1 LB)	
LAMP CORD/ADAPTOR				
	650711-001	lamp harness for G, H, J, K AND PLUS, PRO 10, 20, 30, 50 SERIES	0.9 KG (2 LBS)	
	602799-120S	lamp harness for D, E, F SERIES and D PLUS, E PLUS, F PLUS SERIES	0.9 KG (2 LBS)	
FOR USE WITH OBSOLETE SYSTEMS (FROM 1994-2008)				
602980	lamp adaptor kit for SYSTEMS WITH A GREY LAMP HARNESS		0.9 KG (2 LBS)	





Sensors				
MODEL		DESCRIPTION	WEIGHT	NOTES
	650580	sensor for G, H, J, K PLUS, PRO 10, 20, 30, 50 SERIES	0.4 KG (1 LB)	
	650703	sensor for D4 PLUS, E4 PLUS, F4 PLUS, D4-V PLUS, E4-V PLUS, F4-V PLUS SERIES	0.4 KG (1 LB)	
FOR USE WITH OBSOLETE SYSTEMS (FROM 1994-2008)				
650704	sensor for PRO7, PRO15, D-PLUS, E-PLUS, F-PLUS SERIES Only compatible with black power supply		0.4 KG (1 LB)	

Power supply

MODEL	DESCRIPTION	WEIGHT	NOTES
PRO POWER SUPPLY			
650709-003	replacement power supply kit, 100-240V for PRO10 RS	3.6 KG (8 LBS)	
650709-006	replacement power supply kit, 100-240V for PRO20 RS	3.6 KG (8 LBS)	
650709-009	replacement power supply kit, 100-240V for PRO30 RS	3.6 KG (8 LBS)	
660020-R	replacement power supply kit, 100-240V for PRO50	3.6 KG (8 LBS)	
G, H, J, K/PLUS POWER SUPPLY			
650709-001	replacement power supply kit, 100-240V for G	3.6 KG (8 LBS)	
650709-002	replacement power supply kit, 100-240V for G PLUS	3.6 KG (8 LBS)	
650709-004	replacement power supply kit, 100-240V for H	3.6 KG (8 LBS)	
650709-005	replacement power supply kit, 100-240V for H PLUS	3.6 KG (8 LBS)	
650709-007	replacement power supply kit, 100-240V for J	3.6 KG (8 LBS)	
650709-008	replacement power supply kit, 100-240V for J PLUS	3.6 KG (8 LBS)	
660018-R	replacement power supply kit, 100-240V for K	3.6 KG (8 LBS)	
660019-R	replacement power supply kit, 100-240V for K PLUS	3.6 KG (8 LBS)	
A, B4, C4, D4/PLUS, E4/PLUS, F4/PLUS POWER SUPPLY			
650414	replacement power supply kit, 120V for A	0.4 KG (1 LB)	
650415	replacement power supply kit, 230V for A	0.4 KG (1 LB)	
650713-005	replacement power supply kit, 100-240V for B4, B4-V	0.9 KG (2 LBS)	
650713-006	replacement power supply kit, 100-240V for C4, C4-V	1.4 KG (3 LBS)	
650713-007	replacement power supply kit, 100-240V for D4, D4-V	1.4 KG (3 LBS)	
650713-008	replacement power supply kit, 100-240V for D4, D4-V PLUS	1.4 KG (3 LBS)	
650713-001	replacement power supply kit, 100-240V for E4,E4-V	1.4 KG (3 LBS)	
650713-002	replacement power supply kit, 100-240V for E4 PLUS, E4-V PLUS	1.4 KG (3 LBS)	
650713-003	replacement power supply kit, 100-240V for F4, F4-V	1.4 KG (3 LBS)	
650713-004	replacement power supply kit, 100-240V for F4 PLUS, F4-V PLUS	1.4 KG (3 LBS)	
650713-013	Replacement power supply kit, 100 - 240V for IHS12-D4 AND /2	1.4 KG (3 LBS)	
FOR USE WITH SYSTEMS (FROM 1994-2008)			
650629-010	replacement power supply kit, 100-240V for PRO10	3.6 KG (8 LBS)	
650629-020	replacement power supply kit, 100-240V for PRO20	3.6 KG (8 LBS)	
650629-030	replacement power supply kit, 100-240V for PRO30	3.6 KG (8 LBS)	
650629-040	replacement power supply kit, 100-240V for G	3.6 KG (8 LBS)	
650629-070	replacement power supply kit, 100-240V for G PLUS	3.6 KG (8 LBS)	
650629-050	replacement power supply kit, 100-240V for H	3.6 KG (8 LBS)	
650629-080	replacement power supply kit, 100-240V for H PLUS	3.6 KG (8 LBS)	
650629-060	replacement power supply kit, 100-240V for J	3.6 KG (8 LBS)	
650629-090	replacement power supply kit, 100-240V for J PLUS	3.6 KG (8 LBS)	
650716-005	replacement power supply kit, 120V for B (CORD INCLUDED)	0.9 KG (2 LBS)	
650716-011	replacement power supply kit, 230V for B (CORD INCLUDED)	0.9 KG (2 LBS)	
650716-006	replacement power supply kit, 120V for C (CORD INCLUDED)	0.9 KG (2 LBS)	
650716-012	replacement power supply kit, 230V for C (CORD INCLUDED)	0.9 KG (2 LBS)	
650716-007	replacement power supply kit, 100-240V for D	0.9 KG (2 LBS)	
650716-008	replacement power supply kit, 100-240V for D PLUS	1.4 KG (3 LBS)	
650716-001	replacement power supply kit, 100-240V for E	1.4 KG (3 LBS)	
650716-002	replacement power supply kit, 100-240V for E PLUS	1.4 KG (3 LBS)	
650716-003	replacement power supply kit, 100-240V for F	1.4 KG (3 LBS)	
650716-004	replacement power supply kit, 100-240V for F PLUS	1.4 KG (3 LBS)	
650716-009	replacement power supply kit, 100-240V for PRO7	1.4 KG (3 LBS)	
650716-010	replacement power supply kit, 100-240V for PRO15	1.4 KG (3 LBS)	



Solenoid Valves/Connections



MODEL	DESCRIPTION	WEIGHT	NOTES
	650627	brass solenoid valve kit (24V) – 1” for G/PLUS, H/PLUS, J/PLUS AND PRO 10, 20, 30 SERIES	0.9 KG (2 LBS)
	650717-001	brass solenoid kits (24V) with junction box and 24V transformer, available as 120V input only – ¾” NPT for D4/PLUS AND IHS12-D4 SYSTEMS	1.4 KG (3 LBS)
	650717-002	brass solenoid kits (24V) with junction box and 24V transformer, available as 120V input only – 1” NPT for E4/PLUS AND F4/PLUS SERIES	1.4 KG (3 LBS)
	650705	24V solenoid/remote alarm junction box, available as 120V input only for D4/PLUS, E4/PLUS AND F4/PLUS SERIES (24V solenoid valve not included)	0.4 KG (1 LB)
	410888-R	2” NPT solenoid valve kit (24V) for K/Plus, Pro 50	4.5 KG (10 LBS)
FOR USE WITH OBSOLETE SYSTEMS			
650514	brass solenoid kits with junction box, 120V – ¾” NPT for D PLUS SERIES	1.4 KG (3 LBS)	
650515	brass solenoid kits with junction box, 120V – 1” NPT for E PLUS, F PLUS, PRO7/15 SERIES	1.4 KG (3 LBS)	
603086	dry contact connector kit for 650716-0XX, black power supply for D PLUS, PLUS, F PLUS, PRO7/15 SERIES	0.4 KG (1 LB)	
650516	solenoid/remote alarm junction box, 120V for D, E, F PLUS SERIES, PRO7/15 SERIES (solenoid valve not included)	0.4 KG (1 LB)	

Flow Restrictors

MODEL	DESCRIPTION	WEIGHT	NOTES
STAINLESS STEEL			
FRSS-2.5	2.5 gpm flow restrictor, 1/2” x 1/2” FNPT, 316L stainless steel	0.1 KG (0.21 LB)	
440266-R	4.3 gpm flow restrictor, 3/4” x 3/4” FNPT 316 stainless steel	0.2KG (0.41 LBS)	
FRSS-6	6 gpm flow restrictor, 1” x 1” FNPT, 316L stainless steel	0.4 KG (0.83 LBS)	
FRSS-6-34	6 gpm flow restrictor, 3/4” x 3/4” FNPT, 304L stainless steel	0.2 KG (0.41 LBS)	
FRSS-8	8 gpm flow restrictor, 1” x 1” FNPT, 316L stainless steel	0.4 KG (0.83 LBS)	
440267-R	8.9 gpm flow restrictor, 3/4” x 3/4” 316 stainless steel	0.17 KG (0.38 LBS)	
FRSS-12	12 gpm flow restrictor, 1” x 1” FNPT, 316L stainless steel	0.4 KG (0.83 LBS)	
440268-R	15.8 gpm flow restrictor, 1” x 1’ 316 stainless steel	0.4 KG (0.83 LBS)	
FRSS-20	20 gpm flow restrictor, 1” x 1” FNPT, 316L stainless steel	0.4 KG (0.83 LBS)	
440269-R	26.1 gpm flow restrictor, 1” x 1” 316 stainless steel	0.4 KG (0.83 LBS)	





Replacement Lamps

MODEL	DESCRIPTION	WEIGHT	NOTES
AMALGAM LAMPS			
	602854	used in G/PLUS, PRO10 SERIES – amalgam lamp	0.4 KG (1 LB)
	602855	used in H/PLUS, PRO20 SERIES – amalgam lamp	0.4 KG (1 LB)
	602856	used in J/PLUS, K/PLUS, PRO30, PRO50 SERIES – amalgam lamp	0.9 KG (2 LBS)
REGULAR AND HIGH-OUTPUT LAMPS			
	602803	used in A MODEL SYSTEMS – regular output lamp	0.4 KG (1 LB)
	602804	used in B, B4, B4-V MODEL SYSTEMS – high-output lamp	0.4 KG (1 LB)
	602805	used in C, C4, C4-V, D, D4-V/PLUS SERIES AND IHS12-D4 SYSTEMS –high-output lamp	0.4 KG (1 LB)
	602806	used in E/PLUS, E4, E4-V/PLUS, PRO7 SERIES – high-output lamp	0.4 KG (1 LB)
	602807	used in F/PLUS, F4, F4-V/PLUS, PRO15 SERIES – high-output lamp	0.4 KG (1 LB)
FOR USE WITH OBSOLETE SYSTEMS (FROM 1994-2008)			
650144	used in UV 600/602 SYSTEMS	0.4 KG (1 LB)	
650143	used in UV 605 BASIC & PLUS SERIES	0.4 KG (1 LB)	
650142	used in UV 608 BASIC & PLUS SERIES	0.4 KG (1 LB)	
650141	used in UV 612 BASIC & PLUS SERIES	0.4 KG (1 LB)	
650149	used in UV 505 SYSTEM	0.4 KG (1 LB)	
BULK DISCOUNT (APPLIES TO LAMPS ABOVE) - \$5.00 net discount per lamp on orders of 10 or more lamps per part number (discount does not apply to grouped part numbers)			

Replacement Lamp/Sleeves Combos

MODEL	DESCRIPTION	WEIGHT	NOTES
FOR USE WITH OBSOLETE SYSTEMS (PREVIOUS TO 2000)			
650140	used in UV 702/ADVANTAGE 2 BASIC & PLUS SERIES	0.9 KG (2 LBS)	
650139	used in UV 705/ADVANTAGE 5 BASIC & PLUS SERIES	0.9 KG (2 LBS)	
650138	used in UV 708/ADVANTAGE 8 BASIC & PLUS SERIES	0.9 KG (2 LBS)	
650137	used in UV 712/ADVANTAGE 12 BASIC & PLUS SERIES	0.9 KG (2 LBS)	

Replacement Quartz sleeves

MODEL	DESCRIPTION	WEIGHT	NOTES
	602974	used in G/PLUS, PRO10 MODELS	0.4 KG (1 LB)
	602975	used in H/PLUS, PRO20 MODELS	0.9 KG (2 LBS)
	602976	used in J/PLUS, K/PLUS, PRO30, PRO50 MODELS	0.9 KG (2 LBS)
	602730	used in A MODEL SYSTEMS	0.4 KG (1 LB)
	602731	used in B,B4 MODELS	0.4 KG (1 LB)
	602732	used in C/PLUS, C4/PLUS, C4-V, D/PLUS, D4/PLUS, D4-V/PLUS MODELS	0.4 KG (1 LB)
	602733	used in E/PLUS, E4/PLUS, E4-V/PLUS MODELS/ PRO7	0.4 KG (1 LB)
	602734	used in F/PLUS, F4/PLUS, F4-V/PLUS MODELS/ PRO15	0.4 KG (1 LB)
FOR USE WITH OBSOLETE SYSTEMS (PREVIOUS TO 1994)			
650147	used in UV 605 BASIC & PLUS	0.4 KG (1 LB)	
650146	used in UV 608 BASIC & PLUS	0.4 KG (1 LB)	
650145	used in UV 612 BASIC & PLUS	0.4 KG (1 LB)	

Lamp / Sleeve Combo Kits (2-pieces, o-rings included)

MODEL	DESCRIPTION	NOTES
602809-100	Kit, Lamp and Sleeve UVMAX A	
602810-101	Kit, Lamp and Sleeve UVMAX B/B4, B4-V, B4-V/PLUS	
602810-102	Kit, Lamp and Sleeve UVMAX C/D, C4/D4, D PLUS/D4 PLUS, C4-V/PLUS, D4-V/PLUS	
602810-103	Kit, Lamp and Sleeve UVMAX E/E PLUS, E4/E4 PLUS, E4-v/PLUS, PRO7	
602810-104	Kit, Lamp and Sleeve UVMAX F/F PLUS, F4/F4 PLUS, F4-V/PLUS, PRO15	
602850-101	Kit, Lamp and Sleeve G/G PLUS, PRO10	
602850-102	Kit, Lamp and Sleeve H/H PLUS, PRO20	
602850-103	Kit, Lamp and Sleeve J/J PLUS, K/K PLUS, PRO30, PRO50	