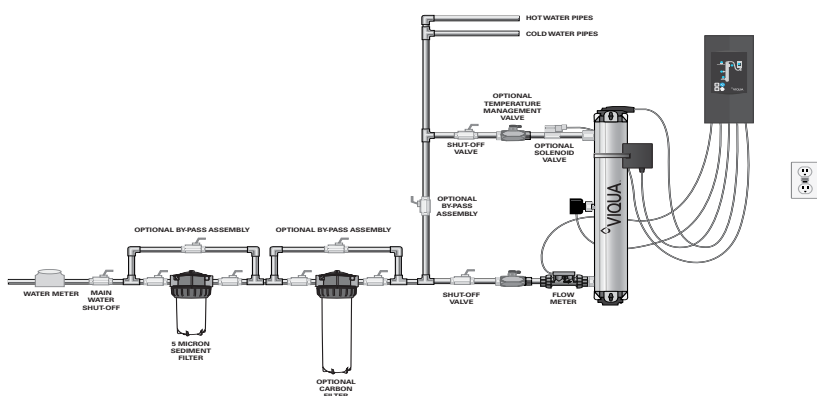


## Ultraviolet Water Disinfection Systems from VIQUA

The quality of drinking water can change with time and become contaminated with harmful bacteria. The **PROFESSIONAL family** of compact UV disinfection systems provide a **reliable, economical, and chemical-free** way to safeguard drinking water in any residential or light commercial application. VIQUA's products have been designed and tested to ensure quality drinking water is at everyone's finger tips.

Regardless of your need, there is a VIQUA system to suit your requirements. VIQUA offers third-party validated systems, ranging in flow rates from 10 GPM to 50 GPM.





### Features of VIQUA PRO UV water disinfection systems

- The CoolTouch Fan significantly reduces water temperature and does not waste any water.
- A quarter-twist to the positive stop and you're done. No tools, no risk of overtightening.
- Like a standard plug - no more grounding wires!
- The optional plug-and-play solenoid valve stops water flow in the event that water treatment is compromised.
- Assembly is simplified by the use of an integral flow restrictor.
- Flexibility to connect to either 1½" NPT or 1" FNPT
- New and improved sensor ensures safe UV levels are maintained.
- The UVMAX systems use a revolutionary lamp with twice the output of current high-output lamps, giving you compact single-lamp systems that are half the size of their predecessors.
- Our revolutionary amalgam lamps reduce maintenance requirements by lasting up to 2 years.
- Intuitive Interface - a picture is worth a thousand words.
- With plug-and-play colour coded connections, it's as easy as "connect the dots."
- The optional COMMcenter displays UV dose and can monitor up to 9 UV systems - that's up to 270 gpm!
- Flow sensor monitors flow to provide real time UV dose (not available on PRO50).
- LightWise Technology (featured on PRO10, PRO20, and PRO30 systems) allows the controller to reduce lamp power during periods of no water flow. By adjusting the lamp power, water temperature is maintained below 40°C (104°F), the rate of sleeve fouling is consequently reduced by as much as 60%, resulting in estimated energy savings of 30%.

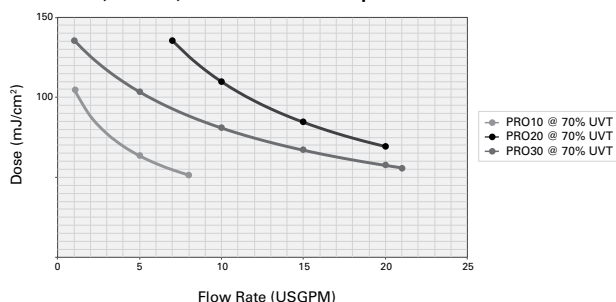
### Replacement Parts

602854 – UV lamp for PRO10	602974 – quartz sleeve for PRO10	650709-003 – power supply for PRO10	602580 – sensor for PRO10, 20 & 30	650580 – sensor for PRO50
602855 – UV lamp for PRO20	602975 – quartz sleeve for PRO20	650709-006 – power supply for PRO20	602856 – UV lamp for PRO50	660020-R; 660003-R - 120V; 660006-R - 230 V – power supply for PRO50
602856 – UV lamp for PRO30	602976 – quartz sleeve for PRO30	650709-009 – power supply for PRO30	602976 – quartz sleeve for PRO50	

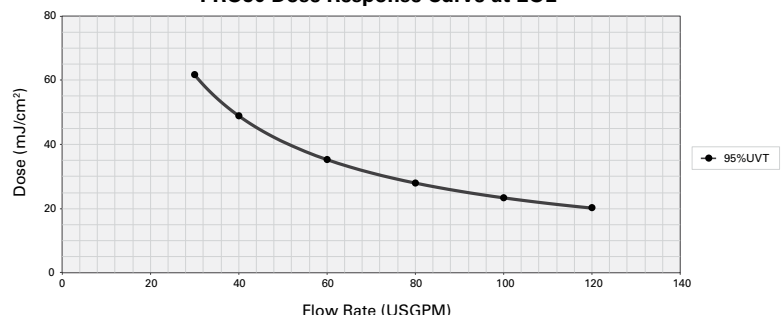
# Specifications

				
MODEL	PRO10 (650647)	PRO20 (650653)	PRO30 (650659)	PRO50 (660003-R)
FLOW RATES				
US Public Health (16 mJ/cm <sup>2</sup> )	--	--	--	110 GPM (415 lpm) (24.9 m <sup>3</sup> /hr)
VIQUA Standard (30 mJ/cm <sup>2</sup> )	--	--	--	65 GPM (245 lpm) (14.7 m <sup>3</sup> /hr)
NSF/EPA (40 mJ/cm <sup>2</sup> )	10 GPM (38 lpm) (2.3 m <sup>3</sup> /hr)	20 GPM (76 lpm) (4.5 m <sup>3</sup> /hr)	30 GPM (113 lpm) (6.8 m <sup>3</sup> /hr)	50 GPM (189 lpm) (11.3 m <sup>3</sup> /hr)
DIMENSIONS				
Dimensions	22" x 4" (54 cm x 10 cm)	31" x 4" (78 cm x 10 cm)	41" x 4" (103 cm x 10 cm)	41" x 4" (103 cm x 10 cm)
Inlet/Outlet Port Size	1 1/4" MNPT / 1" FNPT COMBO	1 1/4" MNPT / 1" FNPT COMBO	1 1/4" MNPT / 1" FNPT COMBO	2" MNPT
Shipping Weight	25 lbs (11.3 kg)	28 lbs (12.7 kg)	31 lbs (14 kg)	31 lbs (14 kg)
ELECTRICAL				
Voltage	100-240V / 50-60 Hz	100-240V / 50-60 Hz	100-240V / 50-60 Hz	100-240V / 50-60 Hz
Power Consumption	120 W	160 W	230 W	230 W
Maximum Operating Pressure	125 psi (8.62 bar)	125 psi (8.62 bar)	125 psi (8.62 bar)	125 psi (8.62 bar)
Ambient Water Temperature	2-40°C (36-104°F)	2-40°C (36-104°F)	2-40°C (36-104°F)	2-40°C (36-104°F)
FEATURES				
Visual "Power On"	YES	YES	YES	YES
Chamber Material	316L SS	316L SS	316L SS	316L SS
Visual Lamp Life Remaining	YES	YES	YES	YES
Audible Lamp Failure	YES	YES	YES	YES
Audible Lamp Replacement Reminder	YES	YES	YES	YES
UV Sensor	YES	YES	YES	YES
Flow Meter	YES	YES	YES	NO
Cool Touch Fan	YES	YES	YES	YES

**PRO10, PRO20, & PRO30 Dose Response Curves**



**PRO50 Dose Response Curve at EOL**



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