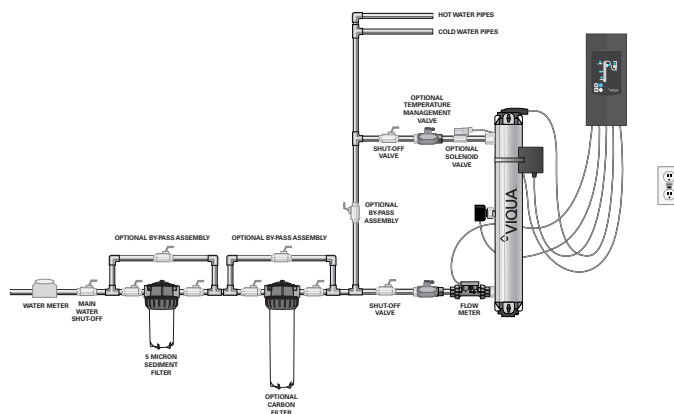


# Ultraviolet Water Disinfection Systems from VIQUA

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 application. VIQUA's products have been designed and tested to ensure quality drinking water is at everyone's finger tips.

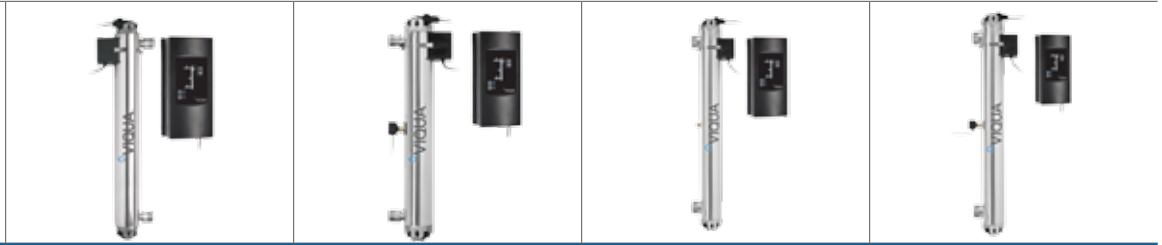
Regardless of your need, there is a VIQUA system to suit your requirements. The VIQUA H and K lines of products offer a range in flow rate from 45 GPM (10.2 m<sup>3</sup>/hr) to 80 GPM (18.2 m<sup>3</sup>/hr), which make them ideal for most light commercial applications.



## Features of VIQUA UV water disinfection systems

- The Professional 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.
- The CoolTouch Fan significantly reduces water temperature and does not waste any water.
- For the sleeve bolts a quarter-twist to the positive stop and you're done. No tools, no risk of overtightening.
- Lamp connector is like a standard plug - no more grounding wires!
- New and improved sensor ensures safe UV levels are maintained.
- 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 color 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 720 gpm!
- Optional plug-and-play solenoid valve stops water flow in the event that water treatment is compromised.
- Even with the high flow capabilities, their footprint is half the size of their predecessors, making installation quicker and easier.

# Specifications



MODEL	H (650651; 650654)	H+ (650652; 650655)	K (660001-R; 660004-R)	K+ (660002-R; 660005-R)
<b>FLOW RATES</b>				
US Public Health (16 mJ/cm <sup>2</sup> )	48 GPM (180 lpm) (11.0 m <sup>3</sup> /hr)	48 GPM (180 lpm) (11.0 m <sup>3</sup> /hr)	120 GPM (454 lpm) (27.2 m <sup>3</sup> /hr)	120 GPM (454 lpm) (27.2 m <sup>3</sup> /hr)
VIQUA Standard (30 mJ/cm <sup>2</sup> )	45 GPM (170 lpm) (10.2 m <sup>3</sup> /hr)	45 GPM (170 lpm) (10.2 m <sup>3</sup> /hr)	80 GPM (303 lpm) (18.2 m <sup>3</sup> /hr)	80 GPM (303 lpm) (18.2 m <sup>3</sup> /hr)
NSF/EPA (40 mJ/cm <sup>2</sup> )	37 GPM (140 lpm) (8.4 m <sup>3</sup> /hr)	37 GPM (140 lpm) (8.4 m <sup>3</sup> /hr)	60 GPM (230 lpm) (13.7 m <sup>3</sup> /hr)	60 GPM (230 lpm) (13.7 m <sup>3</sup> /hr)
<b>DIMENSIONS</b>				
Dimensions	31" x 4" (78 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	2" MNPT	2" MNPT
Shipping Weight	28 lbs (12.7 kg)	28 lbs (12.7 kg)	31 lbs (14 kg)	31 lbs (14 kg)
<b>ELECTRICAL</b>				
Voltage	100-240V / 50-60 Hz	100-240V / 50-60 Hz	100-240V / 50-60 Hz	100-240V / 50-60 Hz
Power Consumption	160 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)
<b>FEATURES</b>				
Visual "Power On"	YES	YES	YES	YES
Chamber Material	316L SS	316L SS	316L SS	316L SS
Audible Lamp Failure	YES	YES	YES	YES
Audible Lamp Replacement Reminder	YES	YES	YES	YES
UV Sensor	NO	YES	NO	YES
Sensor Reading Output	--	Optional	--	Optional
CoolTouch Fan	YES	YES	YES	YES

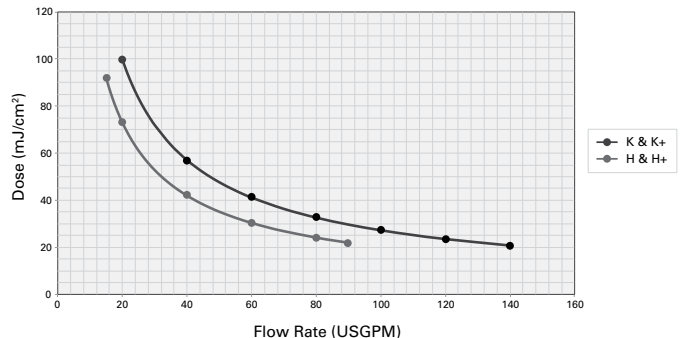
## Replacement Parts

<b>602855</b> – UV lamp for H & H+	<b>602856</b> – UV lamp for K & K+
<b>602975</b> – quartz sleeve for H & H+	<b>602976</b> – quartz sleeve for K & K+
<b>650580</b> – sensor for H+ & K+	<b>660018-R</b> ; – power supply for K
<b>650709-004</b> ; – power supply for H	<b>660019-R</b> ; – power supply for K+
<b>650709-005</b> ; – power supply for H+	

## Water Quality Parameters

Hardness: < 7 grains (120 mg/L)  
 Iron: < 0.3 mg/L  
 Tannins: < 0.1 mg/L

H, H+, K, & K+ Dose Response Curve at EOL (@ 95% UVT)



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