

# Genesis H2O

## Ultraviolet Disinfection System




### A Security System For Your Water

UV technology provides additional security for your water supply. It is proven to control microbiological (bacteria & virus) issues in water including *E.coli*, *Cryptosporidium*, and *Giardia Lamblia* without the use of chemicals.

### Gen 6 Residential Systems

#### Features

- Four models available (Gen 6-6 , 10, 15 & 20)
- True 254nm Teflon® based UV sensor continuously measures UV output and visually displays output via controller
- Colour user interface with full diagnostics and warnings including QR codes
- “Future-proof” expandability port for future upgrades and options
- Axial flow, 304 stainless reactors
- Designed & manufactured to ASME pressure vessel standards
- Flow rates stated at 95% UVT at a dose of 30mJ/cm<sup>2</sup>
- User friendly bayonet style lamp connector (Quick ¼ turn removal. No extra tools required.)
- True gland seal retaining nut with positive stop
- Reliable, industry proven low pressure (LP) coated UV lamps with ceramic bases for durability and a 9000 hour life (1 year)
- Constant current electronic controller (one controller for all systems) in a splash-proof case
- Warranty (refer to Owner’s Manual for complete details including conditions & exclusions):
  - Reactor Chamber - Ten (10) Year Limited
  - Electronics – Three (3) Year Limited
  - UV Lamps – One (1) Year Limited
  - Quartz Sleeves – One (1) Year Limited
  - UV Sensors – One (1) Year Limited

	GENESIS H2O EQUIPMENT SPECIFICATIONS			
	GENESIS-6, Residential monitored UV systems			
MODEL	GEN6-6	GEN6-10	GEN6-15	GEN6-20
UV Flow Rate (@ 16 mJ/cm <sup>2</sup> @ 95% UVT)	11 GPM	20 GPM <sup>1</sup>	30 GPM <sup>2</sup>	39.2 GPM <sup>2</sup>
	41 lpm	77 lpm <sup>1</sup>	113.6 lpm <sup>2</sup>	150 lpm <sup>2</sup>
	2.5 m <sup>3</sup> /hr.	4.6 m <sup>3</sup> /hr. <sup>1</sup>	6.8 m <sup>3</sup> /hr. <sup>2</sup>	8.9 m <sup>3</sup> /hr. <sup>2</sup>
UV Flow Rate (@ 30 mJ/cm <sup>2</sup> @ 95% UVT)	6 GPM	11 GPM	15 GPM	21 GPM
	22.7 lpm	41 lpm	56.8 lpm	79 lpm
	1.4 m <sup>3</sup> /hr.	2.5 m <sup>3</sup> /hr.	3.4 m <sup>3</sup> /hr.	4.8 m <sup>3</sup> /hr.
UV Flow Rate (@ 40 mJ/cm <sup>2</sup> @ 95% UVT)	4.4 GPM	8.3 GPM	12 GPM	16 GPM
	17 lpm	31 lpm	45.4 lpm	59 lpm
	1.0 m <sup>3</sup> /hr.	1.9 m <sup>3</sup> /hr.	2.7 m <sup>3</sup> /hr.	3.6 m <sup>3</sup> /hr.
Port Size	¾" MNPT	¾" MNPT	1" MNPT	1" MNPT
Electrical	90-265V/50-60Hz.			
Plug Type	North American, NEMA 5-15, 3-wire for all 110V			
Lamp Watts	22	39	50	42
Power (watts)	30	49	62	51
Replacement Lamp	RL-470	RL-820	RL-999	RL-850
Replacement Sleeve	RQ-470	RQ-820	RQ-999	RQ-850
Reactor Dimensions	2.5 x 21.3" (6.4 x 54.2 cm)	2.5 x 35.2" (6.4 x 89.5 cm)	2.5 x 40.0" (6.4 x 101.6 cm)	3.5 x 36.1" (8.9 x 91.7 cm)
Chamber Material	Polished 304 Stainless Steel, A249 Pressure Rated Tubing			
Controller Dimensions	6.8 x 3.6 x 3" (171.5 x 92.1 x 76.2 mm)			
Operating Pressure	0.7-10.3 bar (10-150 psi)			
Operating Water Temperature	2-40° C (36-104° F)			
UV Intensity Monitor	Yes			
Solenoid Output	Yes, but requires optional solenoid module			
4-20 mA Output	Yes, but requires optional 4-20 mA module			
Lamp Change Reminder (audible & visual)	Yes			
Lamp-Out Indicator (audible & visual)	Yes			
Shipping Weight	4.2 kg. (9.3 lbs.) 5 kg. (9 lbs.) cubed	6.8 kg. (15.0 lbs.) 7 kg. (15 lbs.) cubed	8.0 kg. (17.6 lbs.) 8 kg. (17 lbs.) cubed	7.5 kg. (16.5 lbs.) 10 kg. (22 lbs.) cubed
<b>Note:</b> 1. based on flow velocity of 8.2 ft/sec (2.5 m/sec.), flow rate limited to <b>13.6 gpm</b> (50 lpm) (3.1 m <sup>3</sup> /hr.) for ¾" port 2. based on flow velocity of 8.2 ft/sec (2.5 m/sec.), flow rate limited to <b>22.1 gpm</b> (84 lpm) (5.0 m <sup>3</sup> /hr.) for 1" port				

## Optional Upgrades

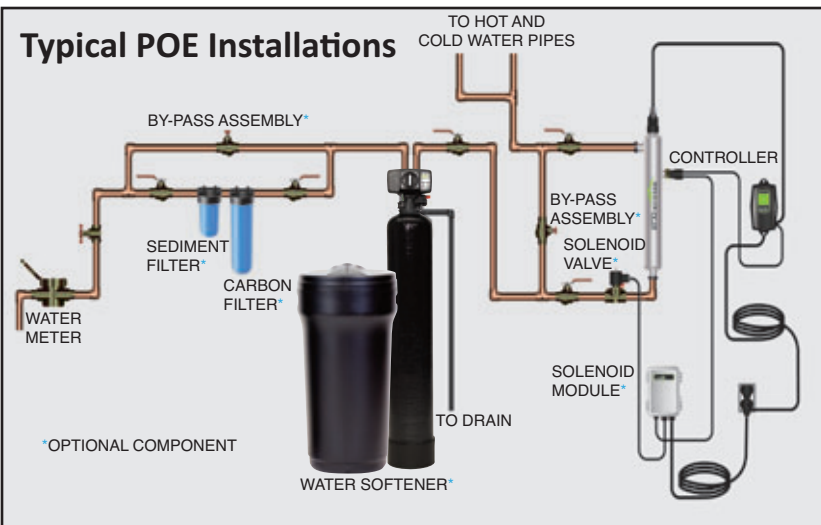
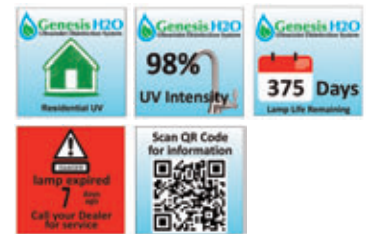
**UV Sensor Module** Allows the 254nm UV wavelength to be measured and displayed via the GEN-H6 controller. The sensor plugs directly into the controller and is mounted in the sensor port located on all GenH6 units.



## UV Sensor Module

Used to power a remote normally closed solenoid valve (not included). Solenoid valve will close on lamp failure or when low UV conditions are detected by the sensor. Available in 110V MOD-SOL1 (Item # 40040006)

## Sample Screens



## Replacement Parts

System	Lamps	Sleeves	Controller
Gen 6-6	RL-470	RQ-470	RC-B56.01
	#40040014	#40040043	#40040066
Gen 6-10	RL-820	RQ-820	RC-B56.01
	#40040015	#40040045	#40040066
Gen 6-15	RL-999	RQ-999	RC-B56.01
	#40040017	#40040048	#40040066
Gen 6-20	RL-850	RQ-850	RC-B56.01
	#40040016	#40040046	#40040066

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