

# AQUA FLO®

## Aqua Flo Gen H4 Residential Systems 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 H4 Residential Systems

#### Features:

- ◆ Now available with integral lamp life monitor, with both audible and visual indication of lamp life
- ◆ Axial flow, 304 stainless steel, polished reactors
- ◆ Visual sight port for "lamp-on" verification
- ◆ Designed & manufactured to ASME pressure vessel standards
- ◆ Flow rates stated at 95% UVT at a dose of 30mJ/cm2
- ◆ User friendly bayonet style lamp connector (quick ¼ turn removal with no extra tools needed)
- ◆ True gland seal retaining nut with positive stop
- ◆ Reliable, industry proven low pressure (LP) coated UV lamps with ceramic bases for durability and a 9,000 hour life (1 year)
- ◆ Constant current electronic controller (one controller for all systems) in a splash-proof case with audible and visual lamp failure indicators
- ◆ New tactile selector button
- ◆ 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



#### Guidelines for Use

Parameter	Level
Hardness	< 7 gpg (120 mg/L)
Iron (Fe)	< 0.3ppm (mg/L)
Manganese (Mn)	< 0.05ppm (mg/L)
Tannins	< 0.1ppm (mg/L)
Turbidity	< 1 NTU
Transmittance (UVT)	> 75%

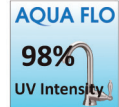




## AQUA FLO GEN EQUIPMENT SPECIFICATIONS

### Residential Crossover systems (high output lamps)

MODEL	GENH4-5 40040076	GENH4-10 40040077	GENH4-15 40040078	GENH4-25 40040080	GENH4-40 40040081
Flow Rate 30mJ/cm <sup>2</sup> @ 95% UVT	4.0 gpm	10 gpm	14 gpm	25 gpm	40 gpm
	15 lpm	38 lpm	53 lpm	95 lpm	150 lpm
	1.1 m <sup>3</sup> /hr	2.3 m <sup>3</sup> /hr	3.2 m <sup>3</sup> /hr	5.7 m <sup>3</sup> /hr	9.1 m <sup>3</sup> /hr
Flow Rate 40mJ/cm <sup>2</sup> @ 95% UVT	3.0 gpm	7.0 gpm	11 gpm	19 gpm	31 gpm
	11 lpm	26 lpm	42 lpm	72 lpm	120 lpm
	0.68 m <sup>3</sup> /hr	1.6 m <sup>3</sup> /hr	2.5 m <sup>3</sup> /hr	4.3 m <sup>3</sup> /hr	7.0 m <sup>3</sup> /hr
Flow Rate Hot Water (-HW suffix) model 30mJ/cm <sup>2</sup> @ 75% UVT	2.8 gpm	7.0 gpm	9.8 gpm	16 gpm	28 gpm
	11 lpm	26 lpm	37 lpm	61 lpm	110 lpm
	0.6 m <sup>3</sup> /hr	1.6 m <sup>3</sup> /hr	2.2 m <sup>3</sup> /hr	3.6 m <sup>3</sup> /hr	6.4 m <sup>3</sup> /hr
Flow Rate Low UVT (-50 suffix) model 30mJ/ cm <sup>2</sup> @ 50% UVT	1.7 gpm	4.2 gpm	6.1 gpm	10 gpm	17 gpm
	6.4 lpm	16 lpm	23 lpm	38 lpm	64 lpm
	0.4 m <sup>3</sup> /hr	1.0 m <sup>3</sup> /hr	1.4 m <sup>3</sup> /hr	2.3 m <sup>3</sup> /hr	3.9 m <sup>3</sup> /hr
Flow Rate TOC (-TOC suffix) model 150mJ/ cm <sup>2</sup> @ 98% UVT	0.8 gpm	2.0 gpm	2.8 gpm	5.1 gpm	8.0 gpm
	3.0 lpm	7.6 lpm	11 lpm	19 lpm	30 lpm
	0.2 m <sup>3</sup> /hr	0.5 m <sup>3</sup> /hr	0.6 m <sup>3</sup> /hr	1.1 m <sup>3</sup> /hr	1.8 m <sup>3</sup> /hr
Port Size	¾"MNPT	¾"MNPT	1"MNPT	1"MNPT	1 ½"MNPT
Electrical	90-265V/50-60Hz. 1.5A Max.				
Lamp Power (Watts)	18	34	45	67	101
Power (Watts)	20	36	48	72	108
Replacement Lamp	40040018	40040019	40040020	40040021	40040022
Replacement Sleeve	40040039	40040041	40040042	40040044	40040047
Reactor Dimensions	8.9 x 29.8 cm (3.5 x 11.7")	8.9 x 41.8 cm (3.5 x 16.5")	8.9 x 50.8 cm (3.5 x 20.0")	8.9 x 68.3 cm (3.5 x 26.9")	8.9 x 103.4 cm (3.5 x 40.7")
Chamber Material	316L Stainless Steel, A249 Pressure Rated Tubing				
Controller Dimensions	21.7 x 10.8 x 10.2 cm (8.6 x 4.2 x 4")				
Operating Pressure	0.7-10.3 bar (10-150 psi)				
Operating Water Temperature	2-40° C (36-104° F)				
Temperature Mgmt. Valve	PN# 40040099		PN# 40040100		PN# 40040101
Lamp Change Reminder	YES				
Lamp Out Indicator	YES				
Shipping Weight	4.4 kg (9.7 lbs)	5.2 kg (11.5 lbs)	5.6 kg (12.9 lbs)	7.0 kg (15.5 lbs)	9.6 kg (21.1 lbs)



**NSF Certified Models Available. Contact Customer Service For Details.**

### Options



**UV Sensor Module**  
Allows the 254nm UV wavelength to be measured and displayed via the GEN-H4 controller.

### REPLACEMENT PARTS

System	Lamps	Sleeves	Controller
Aqua Flo Gen H4-5	RL-290 #40040018	RQ-290 #40040039	RC-B4.01 #40040112
Aqua Flo Gen H4-10	RL-290 #40040019	RQ-290 #40040041	RC-B4.01 #40040112
Aqua Flo Gen H4-15	RL-470 #40040020	RQ-470 #40040042	RC-B4.01 #40040112
Aqua Flo Gen H4-25	RL-820 #40040021	RQ-820 #40040044	RC-B4.01 #40040112
Aqua Flo Gen H4-40	RL-999 #40040022	RQ-999 #40040047	RC-B4.01 #40040112

# AQUA FLO®

Your Local Water Specialist