

# AQUA FLO®

## Aqua Flo Ultraviolet Disinfection Systems: Gen 5 UV/Filter Rack System

### A Combination Water System For Your Entire Home or Cottage

Combining ultraviolet disinfection (UV) with whole-house filtration provides your home or cottage with clean, great-tasting water that you can rely on. UV is proven to control microbiological (bacteria & virus) issues in water including *E.coli*, *Cryptosporidium*, and *Giardia Lamblia* without the use of chemicals. Combining UV disinfection with whole-house sediment and/or carbon pre-treatment filters improves UV performance and the taste, smell and clarity of your water.

#### Features:

- ◆ Four models provide a range of flow rate and filter combination options suitable for your specific needs
- ◆ Models for 8 & 13 gpm flow rates
- ◆ All systems include 5 micron sediment removal pretreatment required for proper UV performance
- ◆ Optional 'high-flow' carbon filters to treat bad tastes and odors
- ◆ Pressure relief, high-flow polypropylene filter housings
- ◆ Color user interface with full diagnostics and warnings including QR codes
- ◆ "Future-proof" expandability port for future upgrades and options
- ◆ Designed & manufactured to ASME pressure vessel standards
- ◆ Axial flow, 316L stainless steel polished 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.)
- ◆ 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 in a splash-proof case



GEN5-8R1



GENH5-13R2



GEN5-8R12



GENH5-13R22

#### 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-5, UV/Filter Rack System

MODEL	GEN5-8R1 40030050N	GEN5-8R12 40030051N	GENH5-13R2 40030052N	GENH5-13R22 40030053N
Flow Rate (@ 30 mJ/cm <sup>2</sup> @ 95% UVT)	8.0 GPM	8.0 GPM	15.0 GPM	15.0 GPM
	30 lpm	30 lpm	49.2 lpm	49.2 lpm
	1.8 m <sup>3</sup> /hr.	1.8 m <sup>3</sup> /hr.	2.95 m <sup>3</sup> /hr.	2.95 m <sup>3</sup> /hr.
1st Filter Housing	10" 5 Micron Sediment 36281	10" 5 Micron Sediment 36281	20" 5 Micron Sediment 36287	20" 5 Micron Sediment 36287
2nd Filter Housing	N/A	20" High Capacity Carbon 36091	N/A	20" High Capacity Carbon 36091
Port Size	1" MNPT			
Electrical	90-265V/50-60Hz.			
Plug Type	North American, NEMA 5-15, 3-wire for all 110V			
Lamp Watts	20 (Standard-Output Lamp)		45 (High-Output Lamp)	
Power (watts)	23	23	57	57
Max Current (amps)	1			
Chamber Dimensions	3.5 x 20.0" (8.9 x 50.8 cm)			
Chamber Material	Polished 316 Stainless Steel, A249 Pressure Rated Tubing			
Controller Dimensions	6.8 x 3.6 x 3" (171.5 x 92.1 x 76.2 mm)		8.6 x 4.2 x 3.5" (21.7 x 10.8 x 8.9 cm)	
Operating Pressure	0.7-10.3 bar (10-150 psi)			
Operating Water Temperature	2-40° C (36-104° F)			
UV Monitor	Optional (Requires additional UV Sensor Module)			
Solenoid Output	Yes, but requires optional solenoid module			
Dry Contacts	Yes, but requires optional remote alarm module			
Lamp Change Reminder (Audible & Visual)	Yes			
Lamp-Out Indicator (Audible & Visual)	Yes			
Shipping Weight	18.5 Lbs (8.4 Kg)	31.5 Lbs (14.3 Kg)	31.5 Lbs (14.3 Kg)	34.2 Lbs (15.5 Kg)

**Note:** Based on flow velocity of 8.2 ft/sec (2.5 m/sec.), flow rate limited to **22.1 gpm** (84 lpm) (5.0 m<sup>3</sup>/hr.) for 1" port



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-5 UV controller. The sensor plugs directly into the controller and is mounted in the sensor port located on all GEN-5 units.



**Solenoid 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 MODSOL1 (Item # 40040006)



**4-20mA Module** Used for signal transfer to a remote device such as a data logger or computer)



**Remote Alarm (Dry Contact) Module** Used for signal transfer to a remote alarm or dry contacts.

## REPLACEMENT PARTS

System	Lamps	Sleeves	Controller
Aqua Flo Gen 5-8R1	#40040096	#40040042	#40040066N
Aqua Flo Gen 5-8R12	#40040096	#40040042	#40040066N
Aqua Flo GenH5-13R2	#40040020	#40040042	#40040074N
Aqua Flo GenH5-13R22	#40040020	#40040042	#40040066N

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Your Local Water Specialist