

# AQUA FLO®

## Aqua Flo Gen H4P Residential Systems 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 H4P 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
- ◆ 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 with no extra tools needed)
- ◆ True gland seal retaining nut with positive stop
- ◆ Reliable, industry proven low pressure high-output (LP-HO) coated UV lamps with ceramic bases for durability and a 10,000 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®                                | AQUAFLO GEN EQUIPMENT SPECIFICATIONS                             |                             |
|--|--|-----------------------------|
|  | MODEL  | GenH4-10P<br>40030065       |
| Flow Rate 30mJ/cm <sup>2</sup> @ 95% UVT | 10 gpm   | 15 gpm                      |
|  | 38 lpm   | 56.8 lpm                    |
|  | 2.3 m <sup>3</sup> /hr   | 3.4 m <sup>3</sup> /hr      |
| Flow Rate 40mJ/cm <sup>2</sup> @ 95% UVT | 7.0 gpm  | 11 gpm                      |
|  | 26 lpm   | 42 lpm                      |
|  | 1.6 m <sup>3</sup> /hr   | 2.5 m <sup>3</sup> /hr      |
| Port Size                                | 1" MNPT  | 1" MNPT                     |
| Electrical                               | 38 (36@230V) / 57 (48@230V)                                      |                             |
| Lamp Power (Watts)                       | 34   | 45                          |
| Power (Watts)                            | 36   | 48                          |
| Replacement Lamp                         | 40040019   | 40040020                    |
| Replacement Sleeve                       | 40040041   | 40040042                    |
| Reactor Dimensions                       | 8.9 x 41.8 cm (3.5 x 16.5")                                      | 8.9 x 50.8 cm (3.5 x 20.0") |
| Chamber Material                         | 304L Stainless Steel, A249 Pressure Rated Tubing                 |                             |
| Controller Dimensions                    | 21.7 x 10.8 x 8.9cm (8.6 x 4.2 x 3.5") 0.7-10.3 bar (10-150 psi) |                             |
| 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                |
| Lamp Change Reminder                     | YES  |                             |
| Lamp Out Indicator                       | YES  |                             |
| Shipping Weight                          | 5.4 kg (11.9 lbs)  | 6.0 kg (13.2 lbs)           |

\* For specialty UV applications including hot water, low UVT or TOC talk to your regional sales manager.

#### REPLACEMENT PARTS

| System              | Lamps    | Sleeves  | Controller |
|---------------------|----------|----------|------------|
| Aqua Flo Gen H4-10P | 40040019 | 40040041 | 40040075   |
| Aqua Flo Gen H4-15P | 40040020 | 40040042 | 40040075   |

# AQUA FLO®

Your Local Water Specialist

A Division of

