AQUV®
by AQUA FLO®

Professional Grade Ultraviolet Disinfection Rack Systems

AQUV-8R1

AQUV-12R2
AQUV-20R2

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.

Residential Systems Features:

◆ **Seven models to choose from using either 8, 12 or 20 gpm UV's**

◆ **Treats water for whole house without chemicals**

◆ **Integral lamp life monitor with digital display. Includes both audible and visual lamp life indicator.**

◆ **Compact design with high quality stainless steel chamber**

◆ **Flow rates stated at 95% UVT at a dose of 30mJ/cm2**

◆ **Maintenance is simple and can be performed in minutes without use of tools**

◆ **Patented high output UV lamps designed and engineered for high disinfection performance**

◆ **Efficient microprocessor controlled ballast (one controller for all systems) with audible alarm and visual lamp failure indicator to show end of lamp life**

◆ **Consistent UV output over voltage and frequency variations**

AQUV-8R12

AQUV-8R22
AQUV-12R22
AQUV-20R22

Combination UV / Filtration

Item #	Description	Stage 1	Stage 2	Stage 3
40030104	UV,AQUV-8R1	4.5 x 10" 5M Sediment	UV,AQUV-8	
40030105	UV,AQUV-8R12	4.5 x 10" 5M Sediment	4.5 x 20" 5M Carbon Block	UV,AQUV-8
40030106	UV,AQUV-8R22	4.5 x 20" 5M Sediment	4.5 x 20" 5M Carbon Block	UV,AQUV-8
40030107	UV,AQUV-12R2	4.5 x 20" 5M Sediment	UV,AQUV-12	
40030108	UV,AQUV-12R22	4.5 x 20" 20M Sediment	4.5 x 20" 5M Sediment	UV,AQUV-12
40030109	UV,AQUV-20R2	4.5 x 20" 5M Sediment	UV,AQUV-20	
40030110	UV,AQUV-20R22	4.5 x 20" 20M Sediment	4.5 x 20" 5M Sediment	UV,AQUV-20

Certified by IAPMO R&T against NSF/ANSI/CAN 61, 372 and CSA B483.1 for material safety, structural integrity and lead free requirement.

Category	AQUV-8R1	AQUV-8R12	AQUV-8R22	AQUV-12R2	AQUV-12R22	AQUV-20R2	AQUV-20R22
Maximum flow rate @ 30 mJ/cm2	8 gpm / 30 lpm			12 gpm / 45 lpm		20 gpm / 75 lpm	
Maximum flow rate @ 40 mJ/cm2	5 gpm / 19 lpm			8 gpm / 30 lpm		12 gpm / 45 lpm	
Lamp service life	9000 Hours						
Lamp Power	35 watt			45 watt		65 watt	
Power Consumption	35 watt			45 watt		65 watt	
Annual lamp change timer	Yes						
Lamp-ON Indicator	Yes						
Audio/Visual alarms	Yes						
Chamber material	304 Stainless Steel						
Inlet/Outlet port size	3/4"NPT					1" NPT	
AC supply voltage	120V, 50/60Hz, 0.8A						
Maximum operating pressure	100psi						
Water temperature range	2 - 40°C (36-104°F)						
Installation Dimensions (H x W x D)	26" x 16" x 8.5"	26" x 24" x 8.5"	26" x 24" x 8.5"	26" x 16" x 8.5"	26" x 24" x 8.5"	37" x 16" x 8.5"	37" x 24" x 8.5"
Chamber dimensions (D x L)	3.5" x 16.0"			3.5" x 20.0"		3.5" x 31.125"	
Controller dimensions (L x W x D)	8" x 3" x 2.25"						
Shipping Weight	26.5lb / 12kg	46lb / 21kg	49.5lb / 22.5kg	30.5lb / 14kg	47.5lb / 21.5kg	36lb / 16.5kg	52lbs / 23.6kg

For optimum performance of the system, water entering the UV System should meet the following parameters*:

Hardness: < 7.0 gpg (120 ppm)

Iron: < 0.3 ppm

Manganese: < 0.05 ppm

Turbidity: < 1 NTU

Tannins/Colour: None

UV Transmissivity: > 85%

Water quality exceeding above parameters may require additional pre-treatment prior to UV disinfection.

CERTIFICATION

AQUV UV Systems are tested and certified by IAPMO R&T against NSF/ANSI/CAN 61, 372 and CSA B483.1 for material safety, structural integrity and lead free requirement.

UV dose performance validated by independent laboratory.

Replacement Parts

AQUV Rack Systems	UV,AQUV-8R1	UV,AQUV-8R12	UV,AQUV-8R22	UV,AQUV-12R2	UV,AQUV-12R22	UV,AQUV-20R2	UV,AQUV-20R22
Item #	40030104	40030105	40030106	40030107	40030108	40030109	40030110
Lamp	89112	89112	89112	89113	89113	89114	89114
Quartz Sleeve	36003037	36003037	36003037	36003038	36003038	36003039	36003039
Controller	40020068	40020068	40020068	40020068	40020068	40020068	40020068
5 Micron Sediment Cartridge 10"	36281	36281					
5 Micron Sediment Cartridge 20"			36287	36287	36287	36287	36287
20 Micron Sediment Cartridge 20"					36288		36288
5 Micron Carbon Block Cartridge 20"		36029	36029				

TYPICAL INSTALLATION

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Your Local Water Specialist