

# CONTRACTOR SERIES

BUILT TO LAST

  
**CHARGER**  
Water Treatment Products



## RUGGED & DURABLE UV DISINFECTION SYSTEMS

**MODELS: CWUV4C-101, CWUV4C-151,  
CWUV4C-R1, CWUV4C-R2**

UV technology is proven to control microbiological (bacteria & virus) issues in water including *E.coli*, *Cryptosporidium* and *Giardia lamblia*.

Intended for easy, do-it-yourself installation, a Charger Water system can be installed on the home's main water line at the point-of-entry, treating all the water coming into the home.

Designed to effectively treat flow rates from 8 to 15 gpm, Charger Water's axial flow and rack systems offer the quality, flexibility and convenience that you require for all of your residential and light commercial applications.

### PRODUCT FEATURES

- 10 and 15 gpm axial flow system, 8 and 15 gpm rack system with single 10" and 20" sump
- 304 SS LPHO-based system (LPSO on CWUV4C-R1)
- Integral lamp life monitor, with both audible and visual indication of lamp life
- Reliable, industry proven, proprietary low pressure coated UV lamps with ceramic bases for durability and long life (10,000 hours on high output systems, 9,000 hours on standard output systems)
- Constant current electronic controller in a splash proof case, fully potted ballast virtually eliminates common water damage issue
- 110-230V/50-60Hz.

**CWUV4C-101 series**, for flow rates of 38 lpm (10 gpm)  
**CWUV4C-151 series**, for flow rates of 57 lpm (15 gpm)  
**CWUV4C-R1 series**, for flow rates of 30 lpm (8 gpm)  
**CWUV4C-R2 series**, for flow rates of 57 lpm (15 gpm)

## EQUIPMENT SPECIFICATIONS

Model	CWUV4C-101	CWUV4C-151	CWUV4C-R1	CWUV4C-R2
Flow Rate (30mJ/cm <sup>2</sup> @ 95% UVT)	10 GPM	15 GPM	8 GPM	15 GPM
	37.9 lpm	56.8 lpm	30.3 lpm	56.8 lpm
	2.3 m <sup>3</sup> /hr	3.4 m <sup>3</sup> /hr	1.8 m <sup>3</sup> /hr	3.4 m <sup>3</sup> /hr
Filter Housing	N/A	N/A	5 micron sediment LC-105-CWUV	5 micron sediment LC-205-CWUV
Port Size	1" MNPT		1" MNPT	
Electrical	90-265V/50-60Hz.			
Plug Type	American, NEMA 5-15			
Lamp Watts	34	45	20	45
Power (Watts)	38 (36 @ 230V)	57 (48 @ 230V)	23 (21 @ 230V)	57 (48 @ 230V)
Maximum Current (amps)	1	1	1	1
Replacement Lamp	CWUV-L330C	CWUV-L420C	CWUV-L420	CWUV-L420C
Replacement Sleeve	CWUV-Q330	CWUV-Q420	CWUV-Q420	
Replacement Controller	CWUVB4-CC		CWUVB4-C	CWUVB4-CC
Chamber Material	Polished 304 stainless steel, A249 pressure rated tubing			
Reactor Dimensions	3.5 x 16.5" (8.9 x 41.8cm)	3.5 x 20.0" (8.9 x 50.8cm)	3.5 x 20.0" (8.9 x 50.8 cm)	
Controller Dimensions	8.6 x 4.2 x 4" (21.7 x 10.8 x 10.2 cm)		6.8 x 3.6 x 4" (17.2 x 9.2 x 10.2 cm)	8.6 x 4.2 x 4" (21.7 x 10.8 x 10.2 cm)
Operating Pressure	0.7-10.3 bar (10-150 psi)		0.7-8.3 bar (10-120 psi)	
Operating Water Temp.	2-40° C (36 - 104°F)			
Lamp Change Reminder	YES (4-digit LED display)			
Visual Lamp Out Indicator	YES			
Audible Lamp Out Indicator	YES			
Shipping Weight	5.4 kg (11.9 lbs)	6.0 kg (13.2 lbs)	11.3 kg. (25 lbs.)	12.4 kg. (27.4 lbs.)

Contractor Series pricing is based on:

10 piece minimum order for CWUV4C-101, CWUV4C-151 systems; 5 piece minimum order for CWUV4C-R1 and CWUV4C-R2 systems.

### Manufacturer's Warranty

**REACTORS** - Ten (10) year Limited Warranty  
**ELECTRONICS** - Three (3) year Limited Warranty  
**UV LAMPS** - One (1) year Limited Warranty  
**QUARTZ SLEEVES** - One (1) year Limited Warranty



Contact Charger Water for complete warranty document including conditions and exclusions.

## CONDITIONS FOR USE

Your system will provide years of use provided the system is maintained on a regular basis as per the specifications outlined in the Owner's Manual. For the system to perform as tested, the following water quality parameters must be met.

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

For levels outside those specified in the table above, please contact the factory for further technical assistance.