

For Residential and Light Commercial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series PWUV

PURE WATER

Watts UV Disinfection Systems

Pipe Sizes: 1/2" – 1" (15 – 25mm)

Flow Rate: Up to 12 gpm (45 lpm)

Watts PWUV systems are manufactured from 304 stainless steel and have an audible and visual lamp failure alarm. They are durable and well constructed, yet economically priced.

Features

- Disinfection without chemicals
- Effective disinfection for chlorine resistant bacteria, virus and cysts
- Lamps rated for 12-month continuous service life
- Highly polished 304 stainless steel reactor chamber
- Audible and visual alarm indicating lamp failure
- Easy lamp replacement
- Available in 110v and 230v
- 30 mj/cm2 dose at specified flow rate at the end of lamp life

Applications

- Well water
- Homes
- Water systems
- Aquaculture
- Food service
- Water coolers
- RO systems



PWUV



Independent Lab Validated

Watts PWUV systems have been tested by BioVir Laboratories, using E. coli bacteria. Test results indicate Watts PWUV systems are capable of providing the 40 mj/cm2 dose requirement for E. coli bacteria disinfection at maximum flow rates for all four models. Based on these tests, the log reduction of E. coli bacteria was between 2.07 to 3.03, which is 99.1 to 99.9 percent reduction of E. coli bacteria.

Note: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



Specifications

Chamber materials	304SS
Max. water temperature	104°F (40°C)
Min. water temperature	36°F (2°C)
Max pressure	125 psi
UV dose (end of life)	30 mj/cm ²
Lamp life	9,000 hrs
Lamps per chamber	Single

Water Quality Guidelines

Total Iron	less than 0.3 mg/l
Hydrogen sulfide	less than 0.05 mg/l
Turbidity	less than 1.0 NTU
Manganese	less than 0.05 mg/l
Hardness	less than 7 grains
UV transmittance	greater than 90%

Note: Minimum water quality guidelines are recommended to ensure proper operation and continuous disinfection.

Models

MODEL NO.	FLOW RATE	PIPE SIZE	DIMENSIONS	ELECTRICAL	SHIPPING WEIGHT	
	(GPM)		(L X W X H)		lbs.	kgs.
PWUV-2GPM-1/2IN-110VAC	2	1/2" MNPT	18" x 6" x 5-3/8"	110-130 v / 50-60 Hz	6	3
PWUV-2GPM-1/2IN-220VAC	2	1/2" MNPT	18" x 6" x 5-3/8"	200-250 v / 50-60 Hz	6	3
PWUV-6GPM-1/2IN-110VAC	6	3/4" MNPT	25-1/2" x 6" x 5-3/8"	110-130 v / 50-60 Hz	7	3
PWUV-6GPM-1/2IN-220VAC	6	3/4" MNPT	25-1/2" x 6" x 5-3/8"	200-250 v / 50-60 Hz	7	3
PWUV-8GPM-1/2IN-110VAC	8	3/4" MNPT	32" x 8-1/4" x 3-3/4"	110-130 v / 50-60 Hz	9	4
PWUV-8GPM-1/2IN-220VAC	8	3/4" MNPT	32" x 8-1/4" x 3-3/4"	200-250 v / 50-60 Hz	9	4
PWUV-12GPM-1/2IN-110VAC	12	1" MNPT	41-1/2" x 8-1/4" x 3-3/4"	110-130 v / 50-60 Hz	17	8
PWUV-12GPM-1/2IN-220VAC	12	1" MNPT	41-1/2" x 8-1/4" x 3-3/4"	200-250 v / 50-60 Hz	17	8

Replacement Parts

FLOW RATE (GPM)	BULB MODEL	BALLAST MODEL	QUARTZ SLEEVE MODEL
2	PWUV-BULB-2GPM	PWUV-BALLAST-2GPM	PWUV-QUARTZ SLEEVE-2GPM
6	PWUV-BULB-6GPM	PWUV-BALLAST-6-12GPM	PWUV-QUARTZ SLEEVE-6GPM
8	PWUV-BULB-8GPM	PWUV-BALLAST-6-12GPM	PWUV-QUARTZ SLEEVE-8GPM
12	PWUV-BULB-12GPM	PWUV-BALLAST-6-12GPM	PWUV-QUARTZ SLEEVE-12GPM



A Watts Water Technologies Company



USA: North Andover, MA • Tel. (800) 224-1299 • www.watts.com
 Canada: Burlington, ON • Tel. (888) 208-8927 • www.wattscanada.ca