

# ULTRAVIOLET WATER PURIFIER

*Built to last with the power of our High-intensity Ultraviolet Bulb and Core Chamber Technology*



- Neutralizes harmful bacteria that can create waterborne illnesses within your home
- Handles both municipal and well water applications
- UV rays penetrate bacteria, disinfecting your water while inactivating 99.99% of harmful microorganisms
- Unlike chlorine, UV does not alter the taste or odor of water and will not impart any toxic by-products
- Ultraviolet (UV) technology is more effective than chemicals in destroying certain waterborne contaminants without altering the taste of water
- Designed to the highest standards in the industry
- Treating your water supply with the use of UV disinfection is not only more effective than traditional treatments, but it is also an environmentally responsible way of treating your water



# COMPONENTS & SPECIFICATIONS



## ULTRAVIOLET WATER PURIFIER PERFORMANCE DATA SHEET

	FLUENCE (UV DOSE)	MODEL PPUV009	MODEL PPUV016	MODEL PPUV030
FLOW RATE <sup>(1)</sup>	US PUBLIC HEALTH 16mJ/cm <sup>2</sup>	17 GPM	35 GPM	55 GPM
	INDUSTRY STANDARD 30mJ/cm <sup>2</sup>	9 GPM	16 GPM	30 GPM
	NSF/EPA 40mJ/cm <sup>2</sup>	7 GPM	14 GPM	22 GPM
ELECTRICAL	VOLTAGE <sup>(2)</sup>	110V to 240V AC 50/60Hz		
	POWER CONSUMPTION	34 W	50 W	90 W
	LAMP WATTS	29 W	45 W	80 W
INLET/OUTLET PORT SIZE	1.0" MNPT	1.0" MNPT	1.5" MNPT	
MAXIMUM OPERATING PRESSURE	125 PSI			
PRESSURE DROP at 30mJ/cm <sup>2</sup> RATED FLOW	LESS THAN 1 PSI			
AMBIENT AIR & WATER TEMPERATURE	36 to 104°F			
LAMP TYPE	LOW PRESSURE HIGH OUTPUT (LPHO)			
CHAMBER MATERIAL	304 SS			
LAMP-ON INDICATOR	STEADY "WORK" GREEN LED			
LAMP LIFE REMAINING (DAYS)	VISUAL COUNT DOWN DISPLAY (365 - 0); MANUAL RESET FUNCTION			
LAMP REPLACEMENT REMINDER	VISUAL DISPLAY (A3), "FAULT" RED LED FLASHES and AUDIBLE ALARM SOUNDS INTERMITTENTLY (1 SEC. BEEP EVERY 5 SEC.)			
LAMP REPLACEMENT REMINDER DELAY	SILENCES AUDIBLE ALARM FOR 7 DAYS, REPEATABLE UP TO 4 TIMES (28 DAYS MAXIMUM)			
LAMP FAILURE INDICATOR	LAMP LIFE REMAINING (DAYS) CONTINUES TO BE DISPLAYED BUT STOPS COUNTING DOWN, "FAULT" RED LED FLASHES and AUDIBLE ALARM SOUNDS INTERMITTENTLY (1 SEC. BEEP EVERY 1 SEC.)			
BALLAST TOTAL RUNNING DAYS	VISUAL INCREMENTAL DISPLAY (0 - 9999); CANNOT BE RESET			
BALLAST FAILURE INDICATOR	BLANK DISPLAY			

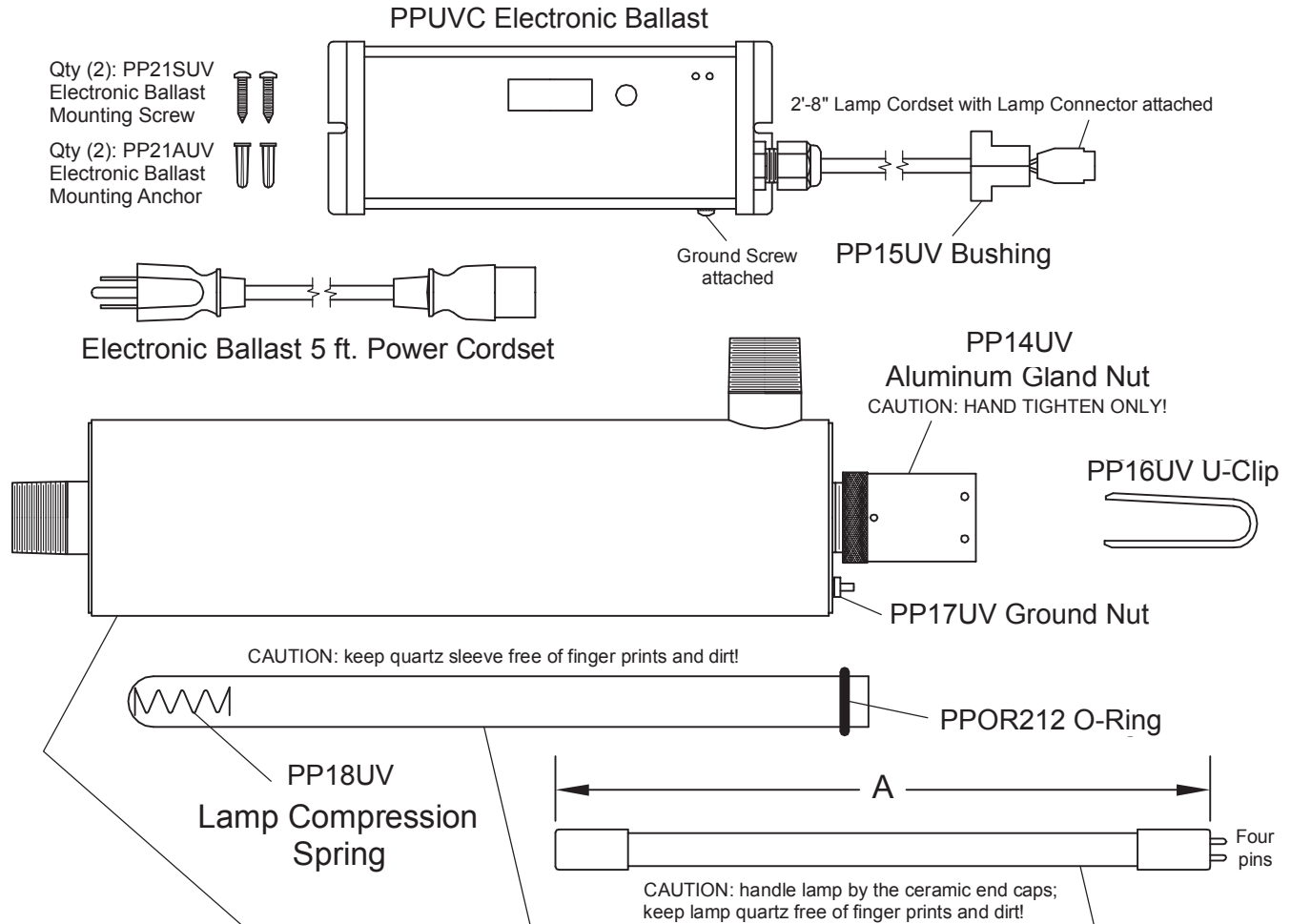
<sup>(1)</sup> At flow rates stated, the corresponding fluence (UV dose) levels are theoretically met or exceeded at 95% UVT and EOL (end of lamp life; 1 year). **UVCalc**<sup>®</sup>, developed by Bolton Photosciences Inc., is based on calculations of fluence rates (irradiances) using the multiple point source summation approximation with full accommodation of reflection and refraction occurring at the air/quartz/water interface and is the only mathematical fluence rate model that has been experimentally verified.

<sup>(2)</sup> Models are supplied with a 5 FT. power cordset for 120V AC 60 Hz (NEMA 5-15P plug to IEC 60320/C13 connector).

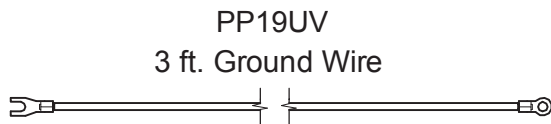
# Product Overview

Model Number	Flow Rate	Inlet/Outlet Size	No. Lamps	System Monitor	Max Lamp Hours	Max Operating Pressure	Ship Weight (LBS)	Vessel D x H (IN.)	
								Height	Depth
PPUV009	9	1" MNPT	1	Lamp-on, Lamp life remaining (days), Ballast total running days, Lamp replacement reminder, Lamp failure	9000	125 PSI	8.2	17.38	3.50
PPUV016	16	1" MNPT	1	Lamp-on, Lamp life remaining (days), Ballast total running days, Lamp replacement reminder, Lamp failure	9000	125 PSI	10.5	25.63	3.50
PPUV030	30	1.5" MNPT	1	Lamp-on, Lamp life remaining (days), Ballast total running days, Lamp replacement reminder, Lamp failure	9000	125 PSI	14.5	39.75	3.50

## Parts List



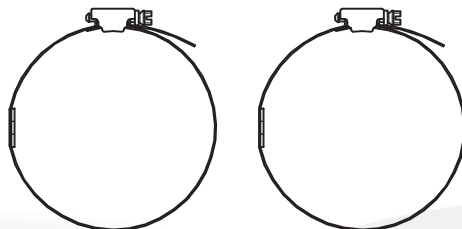
Model	SS UV Chamber	Domed Quartz Sleeve (length)	UV Lamp (A)
PPUV009	PP100UV	PPQ6 (13-1/8")	PPL6 (11-13/16")
PPUV016	PP200UV	PPQ10 (21-3/8")	PPL10 (20-1/16")
PPUV030	PP300UV	PPQ20 (34-3/4")	PPQ20 (33-3/16")



PPOR212 O-Ring (spare)



Qty (2): PP20UV UV Chamber Mounting Bracket



Qty (4): PP20SUV Mounting Bracket Screw



Qty (4): PP20AUV Mounting Bracket Anchor