

PERFORMANCE DATA SHEET

Kinetico KUV 1200 and 1200x Ultraviolet Water Purification Systems



The Kinetico UV systems are engineered to provide effective UV dosage rates for the inactivation of pathogens, including:

- viruses
- bacteria
- cryptosporidium
- giardia
- legionella
- E. coli
- Total coliforms

Both UV systems feature patented Crossfire® Technology. Crossfire Technology incorporates two proprietary high-output UV lamps, with elliptical reflectors, that target pathogens with radiation from 360°, to reduce UV shadowing and provide microbiologically safe drinking water.

SPECIFICATIONS

	KUV 1200	KUV 1200x
Design Specifications		
Peak Flow Rate:	12 gpm	12 gpm
UV Dosage at Peak Flow Rate:	30,000 mJ/cm ²	40,000 mJ/cm ²
Water Temperature Range:	34-95° F	34-104° F
Water Pressure:	10-100 psi	10-100 psi
Lamps:	Twin Low Pressure High Output UV	Twin Low Pressure High Output UV
Water Chamber:	1.5" Quartz Sleeve	1.5" Quartz Sleeve
Lamp Life:	9,000 hrs	9,000 hrs
System On Lamp:	Standard	Standard
System Alarm:	n/a	Standard
UV Transmittance Sensor:	n/a	Standard
UV Bulb Intensity Sensor:	n/a	Standard
Operator Interface Display:	n/a	2 line LCD
Alarm Shutoff Valve:	n/a	Optional
Certifications		
NSF / ANSI 55 Class A:	No	Yes
NSF Low Lead:	Yes	Yes
CE, UL, ULC:	Yes	Yes
Connections		
Inlet / Outlet Connections:	1" MNPT	1" MNPT
Power:	120 VAC / 60 Hz	120 VAC / 60 Hz
Inlet Water Quality		
Hardness (max.):	7 grains	7 grains
Iron (max.):	0.3 mg/L	0.3 mg/L
UV Transmittance (min.):	85% UVT	75% UVT
Turbidity (max.):	<1 NTU	<1 NTU
Installation Parameters		
Ambient Operating Temperature:	34-95° F	34-104° F
Location:	Indoors	Indoors
Weight:	23 lbs.	30 lbs.
	10.4 kg.	13.6 kg.



Conforms to UL60335-1E:04.
 Certified to CAN/CSA-E60335-1/4E:03

