

# UPSTREAM™

PURE, SAFE WATER. ALWAYS.

## Worry-free purification at an affordable price

Six ultraviolet water purification systems that blow the competition out of the water.

Microbiological Drinking Water Purification Scorecard		
	Upstream™	Conventional Uncertified UV
Real-time indicator of water quality	✓	✗
Achieves same performance as NSF standard	✓	✗
Effective in high hardness, iron, TDS	✓	✗
No softener required	✓	✗
Self-cleaning	✓	✗
360° protection	✓	✗
Optional fail-safe shutoff	✓	✓
Wireless remote alarm	✓	✗
Customer support	✓	✓
Warranty	✓	✓
<b>Score</b>	<b>10/10</b>	<b>3/10</b>



### Real Proof

- Laboratory tested to 40mJ/cm<sup>2</sup> dose, same as NSF/ANSI 55 Class A standard.
- Tested at end of lamp life.
- Tested at 50% and 75% UV transmittance.
- Refined Crossfire Technology™ reflectors allow 360° deactivation and no shadowing.

### Intelligent

- Computer-managed cooling system enabling constant lamp output.
- Dual-sensor system monitors UV output and water quality.
- Transmittance and temperature constantly monitored.
- Diagnoses problems and keeps a record of events.
- Monitors lamp life.
- Remote wireless alarm.

### Worry-Free

- Self-cleaning, no fouling.
- Air mounted lamps.
- Built with Stainless Steel, plastic and aluminum.
- Optional solenoid valve.

## Upstream™ operates in extreme water conditions

UPSTREAM™ PRE-TREATMENT CONDITIONS		
WATER CONDITIONS	EFFECTIVE TREATMENT RANGE	
	Min	Max
Hardness	0	50 Grains (855 mg/L)
Iron	0	3 mg/L (ppm)
Maganese	0	0.5 mg/L
% UV Transmittance	Both 75% and 50% UVT	
pH	6.00	9.00
Total Dissolved Solids (TDS)	0	1000 mg/L
Water Temperature	1 degree °C (34 degrees °F)	40 degrees °C (104 degrees °F)
Air Temperature	1 degree °C (34 degrees °F)	40 degrees °C (104 degrees °F)
Turbidity	0 NTU	1 NTU
Water Pressure	10 PSI (69 kPa)	100 PSI (690 kPa)



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**uvsafewater**  
 PACIFIC

# Only the purest water comes from Upstream™

## UPSTREAM™ SYSTEM SPECIFICATIONS with Crossfire Technology™

	Upstream™ 10 - 75	Upstream™ 10 - 50	Upstream™ 15 - 75	Upstream™ 15 - 50	Upstream™ 30-75/1.0	Upstream™ 30-75/1.5
Flow Capacity	10 US gpm, 38 L/min, 2.3 m3/hr	10 US gpm, 38L/min, 2.3 m3/hr	15 US gpm, 57 L/min, 3.4 m3/hr	15 US gpm, 57 L/min, 3.4 m3/hr	30 US gpm, 113 L/min, 6.7 m3/hr	30 US gpm, 113 L/min, 6.7 m3/hr
UV Dose	40 mJ/cm2 measured at end of lamp life; at 75% and 50% UVT.					
Multiple System Flow Capacity	Engineered for multiple systems in parallel installations, for flow rates up to 1 mgd.					
UV Redundancy	Additional backup systems can be added cost effectively.					
Built-in Microprocessor	Dual smart sensors with onboard LCD displays system performance (UV output, water quality, performance and diagnostics), message history and remaining lamp lifetime.					
Remote Alarm	Signals safe, warning and critical status, LCD displays system status. Audible alarm for critical water quality. Wireless - works up to 1,000 feet (LOS) from unit.					
Solenoid Valve	Automatic shut-off valve available as option on all models.					
Self-Cleaning	Stainless steel automatic wiper-blade system.					
Maintenance	Onboard and remote system indicates when to change lamps - every 12 months or 9,000 hours of continuous operation.					
Inlet and Outlet Connections	1"	1"	1"	1"	1"	1.5"
Flow Restrictors	Yes	Yes	Yes	Yes	Yes	No
Pre-filtration	Dual gradient sediment 50x5 micron and/or carbon filter recommended.					
Maximum Pressure	100 PSI, 690 kPa (tested to 240 PSI)					
Power Consumption	118W	148W	148W	190W	190W	190W
Voltage	North American version: 100-132V. Global version: 90-260V.					
Electronic Ballast	Auto power-regulated, protected from power fluctuations, onboard lightning arrestor, built-in surge suppressor.					
Electrical	Intertek ETL (UL, ULC and CE equivalent)					
Dimensions	8" W x 8.5" D x 31.5" H (20 cm W x 22 cm D x 80 H)	8" W x 8.5" D x 35.5" H (20 cm W x 22 cm D x 90 cm H)	8" W x 8.5" D x 35.5" H (20 cm W x 22 cm D x 90 cm H)	8" W x 8.5" D x 39.5 H (20 cm W x 22 cm D x 100.0 cm H)	8" W x 8.5" D x 39.5 H (20 cm W x 22 cm D x 100 cm H)	8" W x 8.5" D x 39.5 H (20 cm W x 22 cm D x 100 cm H)
Warranty	1 year lamp, 3 years electrical, 5 years mechanical.					