



Pure, safe water.

Always.

GLOBAL LEADER IN UV WATER PURIFICATION

For Potable Water Applications



Advanced UV Water Purification Systems
For Potable Applications
Up to 1MGD (3785 m³/day)



Hallett




powered by

CROSS
FIRE
TECHNOLOGY

NSF/ANSI 55 **NSF** Class A Certified

HALLETT® SPECIFICATIONS: MODELS FOR POTABLE APPLICATIONS

Multiplexed Flow Capacity - Engineered for multiple systems in parallel, for flow rates up to 1 MGD (696 US gpm) (2629 L/min) (158 m³/hr)

Model	Hallett 15xs  NSF/ANSI 55 Class A certified	Hallett 30 -1"  NSF/ANSI 55 Class A certified	Hallett 30 -1" w/ 4-20 mA  NSF/ANSI 55 Class A certified	Hallett 30-1.5"	Hallett 30-1.5" w/ 4-20 mA
PART NUMBER (115 Volt)	H000001	C000005	C000009	C000006	C000011
PART NUMBER (240 Volt)	H000003	C000008	C000013	C000016	C000012
Validation / Certification	NSF/ANSI 55 Class A: minimum dose of 40 mJ/cm ² – 4 Log (99.99%) or greater reduction of bacteria, cysts and most viruses. Please refer to dose charts. Hallett 30s are approved by the MENV for use in Quebec. Certified to AB 1953.			Engineered to meet the same standards as NSF/ANSI 55 Class A certified UV systems. Approved by the MENV for use in Quebec. Certified to AB 1953.	
UV Dose	40 mJ/cm ² at end of lamp life				
Minimum UV Transmittance	75%				
Max Flow Rate	14.6 US gpm (55.3 L/min) (3.3 m ³ /hr)	30 US gpm (114 L/min) (6.8 m ³ /hr)			
Water Pressure	10 psi (69 kPa) to 100 psi (690 kPa); units are tested to 240 psi (1.6 MPa)				
Dynamic Flow Restrictor	Installed as standard			No internal restrictor installed	
Pressure Drop at 75% of nominal flow capacity	15 psi (103 kPa)	20 psi (138 kPa)		2 psi (14 kPa)	
Multiplexed Flow Capacity	Engineered for multiple systems in parallel, for flow rates up to 1 MGD (694 US gpm) (2629 L/min) (158 m ³ /hr)				
Redundancy	Additional backup systems can be added cost effectively				
Solenoid Shut-Off Valve	Automatic shut-off valve included as standard			Automatic shut-off valve available as option	
Inlet and Outlet Connections	1" flexible FIP connection for easy installation			1.5" flexible FIP connection for easy installation	
Voltage	Models available in either 115V or 240V configurations (please see different part numbers above)				
Protection from Power Fluctuations	115V Models include power conditioner that meets UL 1449. External power conditioner recommended on 240V models				
Maximum Power Consumption	175W				
Electrical Certification	Intertek ETL (UL, ULC and CE equivalent) - Hallett 15xs 240 Volt Model Meets IEC 60335.1 Edition 4 and CE				
Lamps	Low pressure, high output proprietary lamps contain up to 30 mg of mercury (Hg); rated for 9000 hours (1 year) of continuous use				
Maintenance	Onboard 9000 hour lamp life with lamp hour countdown to end of life Automatic self-cleaning device prevents quartz sleeve from fouling and requires no maintenance				
Electronic Ballast	Auto power-regulated smart ballast is integrated with micro-processor control system; protected from power fluctuations.	Auto power-regulated smart ballast; protected from power fluctuations			
Self-Cleaning	Stainless Steel patented automatic wiper-blade system keeps quartz free from scaling or bio-film				
On-Board Micro-Processor and Monitor	Patented dual smart UV sensors monitor lamp intensity output (UVI) and water transmittance (UVT) continuously; three thermistors continuously monitor UV chamber, ballast and water temperature; on-board LCD displays system performance, lamp hours, data logged operating events, and self-diagnosis including when to change lamps, and troubleshooting assistance for service issues.	Patented dual smart UV sensors continuously monitor UV dose, lamp intensity (UVI) and water transmittance (UVT); on-board LED's indicate system status: OK, warning or alarm conditions. Optional External digital monitor (HDT) displays above in millivolts.			
4-20 mA Analog Output	Not available for the Hallett 15xs	Not installed	Installed as standard. Provides two analog signals (4-20 mA) for both UV Intensity (UVI) and water UV Transmittance (UVT) and allows for dose to be calculated in real time.	Not installed	Installed as standard. Provides two analog signals (4-20 mA) for both UV Intensity (UVI) and water UV Transmittance (UVT) and allows for dose to be calculated in real time.
Dry Contacts	Included as standard for applications that require remote alarming, auto-dialer integration, or similar.				
Optional Wireless Remote Monitor	Available as option: RF 2.4 GHz remote monitor with LCD displays system status; operates up to 150 feet (50 meters) away from the main system	Not available on Hallett 30 models.			
Remote Start/Stop	Included as standard on Hallett 15xs model. Allows system to be remote start/stopped.	Not Standard – Can be achieved using external power relays.			
Dimensions (H, W, D)	35.8 x 7.5 x 9.3" (908 x 190 x 236 mm)	32 x 8 x 9" (810 x 200 x 230mm)		32.75 x 8.5 x 10" (830 x 220 x 260 mm)	
Weight – Dry	28 lbs (12.7 kg)	30 lbs (13.6 kg)			
Weight – Wet	31 lbs (14.1 kg)	32.5 lbs (14.7 kg)			
Warranty	1 year limited warranty on bulbs and sensor probes; 3 year limited warranty on electrical components and quartz sleeve; 5 year limited warranty for structural, hardware and mechanical components				
EPA FIFRA Certified	EPA Est. No. 075213-CAN-001				
Patents	Patented in US 6,707,048, Canada 2,463,503, Australia 2002333084, Mexico 248805, Patents pending in Europe, Eurasia, Japan, UK				
Recommended Application or Source Water	Drilled wells or pre-treated water				

Hallett systems with patented Crossfire Technology provide microbiological purification of drinking water. With a Hallett system properly installed, fail-safe engineering ensures that no potentially dangerous microorganisms can enter a drinking water distribution system. UV Pure recommends the use of other filtration systems to treat chemical and other non-microbiological contaminants. To find out everything, visit www.uvpure.com. UV Pure®, Pure Safe Water. Always® and Crossfire® Technologies are registered trademarks of UV Pure Technologies Inc. Boeing® and Dreamliner® are registered trademarks of The Boeing Company.