



Pure, safe water.

Always.

GLOBAL LEADER IN UV WATER PURIFICATION



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



Hallett®




powered by

CROSS
X **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 Alarm | Included as standard. Allows units to be remotely started / stopped. | Included as standard on all models. | | | |
| 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.