

Meet the New Hallett™ Questions & Answers

UV
PURE®

Call Us: 1-888-407-9997

Questions

Answers

What's new about UV Pure's Hallett products?

UV Pure has redesigned its next generation Hallett product series with all new features for even better reliability and operability. All of UV Pure's products are powered by Crossfire Technology™ for industry-leading disinfection performance, even for challenging water quality conditions.

There are **four new Hallett product lines** to meet a wide range of UV water disinfection needs:



- Hallett P for potable and drinking water applications
- Hallett R for reuse (gray water and rainwater) applications
- Hallett W for wastewater applications
- Hallett NC for applications that do not require product certification (formerly Upstream™)

What sizes are available for the new Hallett?

There are **four model sizes** for the new Hallett product lines that handle flows from 10-100 US gpm and UV transmittance (UVT) as low as 35%. The sizes are based on the nominal UV lamp length (in millimeters) for each unit:

- Hallett 400
- Hallett 500
- Hallett 750
- Hallett 1000 – all new

What is the new Hallett 1000?



The new Hallett 1000 is our largest model yet with a 2-inch flange connection for flows up to 100 US gpm. It is equipped with low-pressure high-output (LPHO) amalgam lamps that can be cycled 6-12 times per day, plus quadruple smart UV sensors. Use it for any application including potable water, wastewater, reuse water or rainwater.

What product certifications and validations are available for the new Hallett?

The new Hallett lineup includes models that will have ANSI/NSF certifications and third-party performance validation in accordance with the US EPA UV Disinfection Guidance Manual (UVDGM) and NWRI UV Disinfection Guidelines for Drinking Water and Water Reuse (all certifications and validations currently pending):

- UL 979 and CSA C22.2 No.68-09 – all Hallett models
- NSF/ANSI 55 Class A – Hallett PN Series
- NSF/ANSI 61 and NSF/ANSI 372 – all Hallett models, excluding Hallett 400
- EPA UVDGM validation – Hallett 1000
- NWRI validation – Hallett 1000

v.20180928

What new **features** does the next generation Hallett have?



All new Hallett models are equipped with:

- Color touchscreen interface
- Improved dual UV sensor array design with quad-sensor models available
- Better temperature management with built-in purge valve and available lamp heaters
- Optional 4-20 mA output with MODBUS connectivity
- Remote start capability
- Two dry contacts for warning and alarm signals
- Better message history that stores the last 99 messages with timestamp
- USB plug-in port
- Built-in surge protection

What has **NOT changed** in the new Hallett systems?

New Hallett systems are still powered by UV Pure’s patented Crossfire Technology™ including:

- Automatic self-cleaning wipers and built-in purging that prevent fouling of the quartz sleeve by mineral scaling and biofilm, making Hallett up to 10 times more effective in difficult water applications than conventional UV systems
- Dual air-mounted lamps with forced air cooling that provide better UV chamber temperature control, helping to eliminate false lamp alarms
- Elliptical reflector design that captures and redirects UV energy from 360 degrees to minimize UV shadowing and prevent live transfer of bacteria and microorganisms
- Dual UV sensor array that provides real-time monitoring of UV lamp intensity, UV dose and net UVT while enabling superior on-board diagnostics for troubleshooting

All Hallett systems are still non-contact, meaning the operator is not exposed to coming in contact with contaminated water when performing routine maintenance like quartz inspections and lamp changes. In fact, the new Hallett design makes maintenance even easier.

With its small footprint and simple plug-and-play design, Hallett is quick to install and easy to start up, even in tight spaces.

| | | | | |
|------------------------------------|---------------|-------------------------|---------------|---------------------------|
| | | | | |
| Automatic Mechanical Self-cleaning | 360° Coverage | Non-Contact Maintenance | Smart Sensors | Quick & Easy Installation |

What are the warranty terms for new Hallett systems?

We continue to offer one of the industry’s leading warranty packages for UV Pure systems and parts:

- 12 months on sensors, temperature probes, and valves
- 12 months on LPHO lamps
- 16 months on LPHO amalgam lamps
- 36 months on electrical components, quartz sleeve, and reflectors
- 60 months for structural, hardware, and mechanical components

Are engineering drawings available for the new Hallett systems?

Yes, engineering drawings are available for single and multi-unit Hallett systems. For help with sizing or drawings, please contact your UV Pure sales professional or send a request to info@uvpure.com.

v.20180928