Product Line
Feature comparison
Effective August 1, 2019

UV PURE

Feature	Hallett 1st Generation	Hallett Upstream 2nd Generation	Hallett 3rd Generation	Hallett 3rd Generation	Hallett 3rd Generation
	H30, H13	H15xs, NC series	H400 series	H500, H750 series	H1000 series
Crossfire Technology®	Built in	Built in	Built in	Built in	Built in
>> Eliptical Reflectors, >> 360° Disinfection	Built in	Built in	Built in	Built in	Built in
>> Dual Lamps, >> Multiple Sensors	Built in	Built in	Built in	Built in	Built in
>> Self cleaning mechanism	Built in	Built in	-	Built in	Built in
User Interface	LED/1 button	LCD/LED 4 buttons	Touch screen Color	Touch screen Color	Touch screen Color
Operational alarms	Dual visual - audible	Dual visual - audible	Dual visual - audible	Dual visual - audible	Dual visual - audible
Display - Liquid Crystal (LCD)	Optional	Built in	Touch screen Color	Touch screen Color	Touch screen Color
Communications	4-20 mA output	NA	NA	4-20 mA output Modbus	4-20 mA output Modbus
Dry Contact (s)	Built in	Built in	1. Run/Treating 2. Warning	1. Run/Treating 2. Warning	1. Run/Treating 2. Warning
Remote Start/Stop	NA	Built in	Built in	Built in	Built in
Surge Protection	Optional	Optional	Built in	Built in	Built in
Message History	NA	Last 50 messages	Last 99 messages	Last 99 messages	Last 99 messages
Data logging - local	NA	NA	Optional	Optional	Optional
Flow range (@ 40 mJ/cm^2, 95% UVT)	up to 40 USgpm 151 L/min	up to 40 USgpm 151 L/min	up to 21 USgpm 79 L/min	up to 40 USgpm 151 L/min	up to 100 USgpm 378 L/min
Minimum UVT required	45%	50%	50%	50%	35%
Lamp Type	LPHO	LPHO	LPHO	LPHO	Amalgam
Lamp Expected Life	9000 hours	9000 hours	9000 hours	9000 hours	12000 hours
Lamp Heaters	NA	NA	Available	Available	NA
Time Needed for Lamp Change	5 minutes	< 5 minutes	< 2 minutes	< 2 minutes	< 2 minutes
Sensor Design	Analog technology	Digital technology	Digital technology NIST compliant	Digital technology NIST compliant	Digital technology NIST compliant
Dual Sensors	One per unit	One per unit	One per unit	One per unit	One per lamp 2 per unit
Temperature Control	Convection cooling Optional purge valve	Forced air cooling Built-in purge valve	Improved forced air cooling Built-in purge valve	Improved forced air cooling Built-in purge valve	Improved forced air cooling Built-in purge valve
Performance Validation	Factory Tested	Factory Tested	Factory Tested	Third Party Validation (1)	Third Party Validated
Drinking Water Performance Certification	NSF/ANSI 55 Class A	NSF/ANSI 55 Class A	Factory Tested	NSF/ANSI 55 Class A	US EPA UVDGM Validation
Drinking Water System Components – Health Effects / Lead Free Compliance	NSF/ANSI 61 certified	NSF/ANSI 61 certified	-	NSF/ANSI 61 & 372 certified	NSF/ANSI 61 & 372 certified
Drinking Water and Wastewater Reuse Performance Validation	Factory Tested	Factory Tested	Factory Tested	Factory Tested	NWRI Validation

(1) Pending
(2) NA - Not available

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