

HALLETT™ SYSTEM SPECIFICATIONS

Certification	NSF/ANSI 55 Class A Certified
Flow Capacity	Hallett 13 – 13 US gpm, 50 L/min Hallett 30 – 30 US gpm, 113 L/min
Multiple System Flow Capacity	Run in parallel – Hallett 30 units can treat water flow rates up to 600 US gpm
UV Dose	Hallett 13 – 65 mJ/cm ² at end of lamp life Hallett 30 – 40 mJ/cm ² at end of lamp life
Built-in microprocessor	Dual smart sensors monitor UV output and water quality
Alarms	Visual & audible notification of 1. System is working & water is safe 2. Lamp output alarm 3. Water quality alarm
Monitoring	Continuous UV transmittance feedback
Solenoid Valve	Auto shut-off fail-safe valve so only safe water can enter your water distribution system
Self-cleaning	Stainless steel wiper prevents quartz fouling
Maintenance	Automatic alarm reminder – 2 lamps – replacement required every 12 months, a simple 2 minute process
Redundancy	Additional back-up systems can be installed cost effectively
Inlet & Outlet Connections	Hallett 13 – ¾" flexible FIP connections for easy installation Hallett 30 – Flexible FIP connections – 1" inlet and 1" outlet
Pre-filtration	5 micron sediment filter recommended and or carbon filter for taste and odour
Maximum Pressure	100 PSI, 690 kPa (tested to 240 PSI)
Pressure Drop	Hallett 13 – 4 PSI @ 7 gpm, 27 kPa @ 26 L/min Hallett 30 – 20 PSI @ 22 gpm (138 kPa @ 83L/min)
Voltage	Hallett 13 – 120/220 VAC – 100W Hallett 30 – 120/220 VAC – 140W
Electronic ballast	Auto power regulated, protected from power fluctuations
Electrical	Entela (UL & CSA equivalent)
Dimensions	Hallett 13 – 24" H x 8" W x 9" D (60 cm H x 20 cm W x 23 cm D) Hallett 30 – 32" H x 8" W x 9" D (81 cm H x 20 cm W x 23 cm D)
Warranty	3 years on all electrical components, 5 years on housing

HALLETT™ SYSTEM PRE-TREATMENT CONDITIONS

Water Conditions	Effective Treatment Range	
	MIN	MAX
Hardness	0	50 Grains (855 mg/L)
Iron	0	3 mg/L (ppm)
Manganese	0	0.5 mg/L
% UV Transmittance	75%	100%
pH	6.00	9.00
Total Dissolved Solids (TDS)	0	1000 mg/L
Water Temperature	1° C (34° F)	38° C (100° F)
Air Temperature	7° C (45° F)	38° C (100° F)
Turbidity	0 NTU	1 NTU
Water Pressure	10 PSI (69 kPa)	100 PSI (690 kPa)



HALLETT™ DIAGNOSTIC TOOL

Every Hallett™ UV water treatment system uses dual smart UV sensors and computer logic to continuously monitor lamp output and UV transmittance through the water column. With the use of UV Pure's new Hallett Diagnostic Tool, these values can be digitally displayed and remotely monitored in real time, furthering the advancement of the monitoring capabilities for our Hallett systems.

The Hallett Diagnostic Tool is a lightweight hand-held device that can be mounted near the unit with a wall bracket. The Hallett Diagnostic Tool easily connects into an RJ45 port that is now on the side of every Hallett™ system, for simple and quick implementation. The Hallett Diagnostic Tool is also compatible with earlier models of the Hallett™ system.