



## UV Pure Technologies' Hallett H 60 Models: Specifications (Pro forma\*)

Model	H 60 EPA		H 60 WW		H 60 NWRI	
Application	Potable Water Treatment		Wastewater Treatment		Reuse/Recycled water treatment	
4-20 mA/Modbus Output Available		4-20 mA/Modbus Output Available		4-20 mA/Modbus Output Available		4-20 mA/Modbus Output Available
Part Number: 120 Volts	G5	G5-420	G6	G6-420	G7	G7-420
Part Number: 240 Volts	G8	G8-420	G9	G9-420	G10	G10-420
Certification/Validation (pending)	EPA Certified; NSF/ANSI 61		Laboratory Validated for WW treatment		NWRI Certified; NSF/ANSI 61	
UV Dose Range	16 to 186 mJ/cm <sup>2</sup>		30 to 50 mJ/cm <sup>2</sup>		16 to 126 mJ/cm <sup>2</sup>	
UV Transmittance Range	35% - 98%		35% - 70%		35% - 98%	
Max flow Rate for Single System	Up to 100 US GPM or 379 L/min (22.7 m3/hr)		Up to 70 GPM		Up to 100 US GPM or 379 L/min (22.7 m3/hr)	
Max Flow Rate When Multiplexed	Engineered for multiple systems in parallel for flow rates up to 3 MGD (2083 US GPM), or 7887 L/min (473 m3/hr)					
Max Water Pressure	100 psi (690kPa)					
Hardness	855 mg/L (50 Grains)					
TDS	1000 mg/L					
TSS			30 mg/L			
Turbidity					< 2.2 NTU	
Flow Restrictor	No onboard Flow Restriction; Optional external flow restrictors available					
Pressure Drop at max. Flow Capacity	4.6 psi (32 kPa)		2.4 psi ( 16.5 kPa)		4.6 psi (32 kPa)	
Operating Temperature Range	Air: 34-104°F (1 - 40°C) - Water: 34-122°F (1 - 50°C)					
Water and Corrosion Resistance	Anodized aluminum chassis; outboard placement of manifold connections					
Redundancy	Engineered so that additional back-up systems can be added efficiently.					
Auto Shut-off Valve	Available as an option				Available as an option	
Inlet and Outlet	2" NPT Adapter standard with convenient removable pump flange. 316 Stainless steel					
Voltage	All models available in either 120 volt or 240 volt compliant version					
Ave Power Consumption	390 W					
Peak Power Consumption	444 W					
Electrical Certification (pending)	FCC; UL979					
Lamps	Amalgam					
UV Sensors	Dual smart UV sensors, calibrated to NIST standards; hot swappable for easy reference checking					
Ballasts	Proven pre-heat electronic ballasts					
Self-cleaning	Patented 316 stainless steel automatic wiper prevents quartz fouling					
On-board Diagnostics and Monitor	Patented, smart dual UV sensors monitor UV Intensity, UV Dose, and Net UV Transmittance; On-board Thermistors monitor water and air temperature; On-board colour touchscreen displays real-time status and self-diagnostics. Programmable sales and service contact information screen.					
4-20mA Analog Output	Standard				Standard	
Modbus Digital Output			Optional			
Dry Contacts	Standard: supports SCADA and applications that require remote alarms, auto-dialer integration, etc.					
Remote Start/Stop	Standard					
Cycling	Unlimited start/stop cycles (For 12,000hr lamp lifetime, limit lamp cycling to 24/day)					
Dimensions (H,W,D)	56"x 11.25" x 8.3" (142.2cm x 28.6cm x 21.1cm)					
Weight - Dry	52 lbs (23.6kg)					
Weight - Wet	58.3 lbs (26.4kg)					
Wetted Parts	All systems meet NSF/ANSI 61 requirements; All wetted parts are 316 SS, PTFE, Viton, or Quartz.					
Warranty	12,000 hour EOLL limited warranty on UV lamps, 1 year limited warranty UV sensor array; three-year limited warranty for electrical components and quartz sleeve; five-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; Pending in Europe					

\*All specifications are subject to change at UV Pure Technologies Inc.'s sole discretion and without notice.