

## UV PURE UV SYSTEMS

UV Pure's Hallett™ systems incorporate patented Crossfire Technology™. Crossfire Technology incorporates TWO proprietary high-output UV lamps, with elliptical reflectors, that target pathogens with radiation from 360° resulting in the highest UV dose possible (65 mJ/cm) to deactivate pathogens and provide safe drinking water always.

Because of its self-cleaning technology, Hallett systems can operate effectively where there is high hardness, iron or manganese, without the need for a water softener.



	HALLET 13	HALLET 30
Flow Capacity	13.3 US GPM (50 LPM)	30 US GPM (113 LPM)
Certification	NSF 55 Class A certified	
UV Dose	65 mJ/cm <sup>2</sup> at end of lamp life	40 mJ/cm <sup>2</sup> at end of lamp life
Sensors	Dual smart sensors monitor UV output and water quality	Dual smart sensors monitor UV output and water quality
Alarms	Visual and audible notification of: 1. System is working & water is safe 2. Lamp output alarm 3. Water quality alarm	Visual and audible notification of: 1. System is working & water is safe 2. Lamp output alarm 3. Water quality alarm
Monitoring	Continuous UV transmittance feedback	Continuous UV transmittance feedback
Solenoid Valve	Auto shut-off solenoid included	Auto shut-off solenoid included
Self-Cleaning	Stainless Steel wiper prevents quartz fouling	Stainless Steel wiper prevents quartz fouling
Maintenance	Automatic alarm reminder for lamp change out	Automatic alarm reminder for lamp change out
Inlet/Outlet Connections	¾" flexible FIP connection	1" or 1.5" flexible FIP connections.
Pre-filtration	5µ sediment filter recommended	5µ sediment filter recommended
Max Pressure	100 psi (tested to 240 psi)	100 psi (tested to 240 psi)
Dynamic Flow Regulator	Minimizes pressure drop	
Pressure Drop	4 psi @ 7GPM	1" inlet - 12 psi @ 30 GPM 1.5" inlet - 5 psi @ 30 GPM
Voltage	120/220V AC - 80 W	120/220V - 120W
Ballast	Electronic - auto power regulated, protected from power fluctuations	Electronic - auto power regulated, protected from power fluctuations
Electricals	Entela (UL & CSA equivalent)	Entela (UL & CSA equivalent)
Dimensions	24" H x 8" W x 9" D	32" H x 8" W x 9" D
Redundancy		Additional back-up systems can be installed cost-effectively

### Feed Water Conditions

	Min	Max
Hardness	0	50 gpg (855 ppm)
Iron	0	3 ppm
Manganese	0	0.5 ppm
TDS	0	1000 ppm
Water/Air Temperature	1°C/7°C	38°C/38°C
Turbidity	0	1 NTU