

Wastewater Applications



Model

Hallett 500W

Operating Range

Flow (single unit)	Up to 151 Lpm
UV dose	30 mJ/cm ²
UV Transmittance [UVT] (water)	50 - 95% UVT
Hardness (water)	Maximum 855 mg/L
Iron (water)	Maximum 3 mg/L (3 ppm)
Temperature (air and water)	1 - 40°C
Water pressure	34 - 690 kPa
Relative humidity (air)	Maximum 70%

Electrical/Instrumentation

Voltage	230 VAC/50 Hz
Power consumption (nominal)	196 W
Certifications	UL 979
UV lamps	Dual LPHO - air mounted
Lamp life (typical)	9,000 hours
Lamp cycles (recommended)	Maximum 2 per 24 hours
Sensors	Dual UV - calibrated to NIST standards
Dry contacts	Built-in - 2 provided (warning and alarm)
Interface	Colour LCD resistive touchscreen display
Alarming	Indicator light and audible alarms
Remote start/stop	Built-in
Onboard diagnostics	Built-in
4-20mA Output & Modbus	Optional

Physical

Dimensions (H x W x D)	926 x 244 x 218 mm
Weight (dry)	14.6 kg
Weight (wet)	16.3 kg
Wetted parts	Meets NSF/ANSI 61 & NSF/ANSI 372 for water up to 23°C
Body materials	Anodized aluminum and 316 Stainless Steel
Body configuration	Double door with side hinges
Inlet/outlet ports	1" MNPT Stainless Steel, optional - Stainless Steel hose
Ingress Protection rating	IP 51
Multiple units	Multiplex manifold and cabinets available
Warranty	5-year limited warranty for structural, hardware and mechanical components; 3-year limited warranty on electrical components and quartz sleeves; 12-month limited warranty on bulbs; and 1-year limited warranty on sensor probes

Features

Quartz sleeve cleaning	Built-in - automatic mechanical wiper
Wiper position switch	Built-in
Purge valve	Built-in
Cooling	Built-in - forced air
Flow restrictor	Optional - internal
Shut-off valve	Optional - automatic solenoid

