

Wastewater Applications



Model

Hallett 1000W

Operating Range

Flow (single unit)*	Up to 284 lpm
UV dose	16 - 60 mJ/cm ²
UV Transmittance [UVT] (water)	35 - 80% UVT
Hardness (water)	Maximum 855 mg/L
Iron (water)	Maximum 3 mg/L (3 ppm)
Temperature (air)	1 - 40°C
Temperature (water)	1 - 35°C
Water pressure	34 - 690 kPa
Relative humidity (air)	Maximum 70%

Electrical/Instrumentation

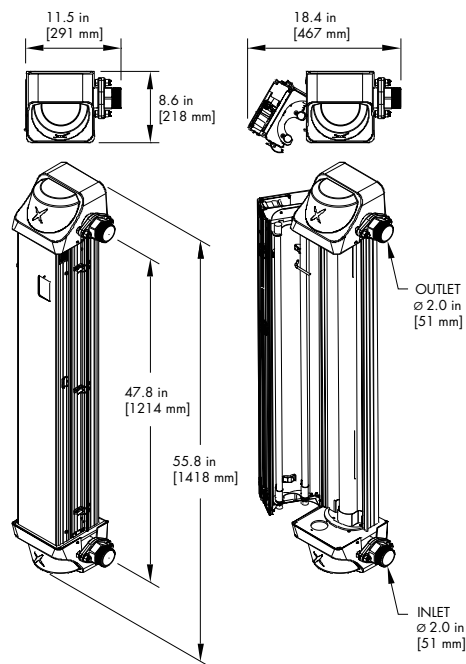
Voltage	230 VAC, 50 Hz
Power consumption (nominal)	403 W
Certifications	UL 979
UV lamps	Dual amalgam - air mounted
Lamp life (typical)	12,000 hours
Lamp cycles (recommended)	Maximum 6 to 12 cycling per 24 hours
Sensors	Quad UV - calibrated to NIST standards
Dry contacts	Built-in - 2 provided (warning 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)	1418 x 291 x 218 mm
Weight (dry)	23.5 kg
Weight (wet)	26.4 kg
Wetted parts	Meets NSF/ANSI/CAN 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	2" 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; 16-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 - external
Shut-off valve	Optional - automatic solenoid



*Maximum flow for single unit is 378 L/min. Multiplex manifold and cabinet systems available for flows up to 3,800 m³/day.