

# Technical Data Sheet Hallett<sup>™</sup> 500W

**Wastewater Applications** 



# Model Validation protocol

Hallett 500W Third Party (PENDING)

### Operating Range

Flow (single unit) UV dose

UV Transmittance [UVT] (water)

Hardness (water) Iron (water)

Temperature (air and water)

Water pressure Relative humidity (air) Up to 40 US gpm (151 Lpm) Min. 30 ml/cm<sup>2</sup>

50 - 95% UVT

Maximum 855 mg/L (50 gpg) Maximum 3 mg/L (3 ppm) 34 - 104°F (1 - 40°C) 5 - 100 psig (34 - 690 kPa)

Maximum 70%

#### **Features**

Quartz sleeve cleaning Wiper position switch

Purge valve Cooling

Flow restrictor Shut-off valve

Built-in - automatic mechanical wiper

Built-in Built-in

Built-in - forced air Optional - internal

Optional - automatic solenoid

### **Electrical/Instrumentation**

Voltage Power consumption (nominal)

Certifications UV lamps

Lamp life (typical)

Lamp cycles (recommended)

Sensors Dry contacts Interface Alarming Remote start/stop

Onboard diagnostics 4-20mA Output & Modbus 120 V AC, 50/60 Hz

196 W UL 979

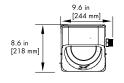
Dual LPHO - air mounted

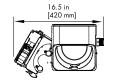
9,000 hours

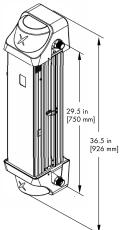
Maximum 2 per 24 hours

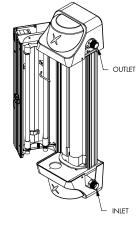
Dual UV - calibrated to NIST standards Built-in - 2 provided (warning and alarm) Colour LCD resistive touchscreen display Indicator light and audible alarms

Built-in Built-in Optional









# **Physical**

Dimensions  $(H \times W \times D)$ 

Weight (dry) Weight (wet) Wetted parts

Body materials Body configuration

Inlet/outlet ports Ingress Protection rating

Multiple units Warranty

 $36.5 \times 9.6 \times 8.6$  in  $(926 \times 244 \times 218 \text{ mm})$ 

32 lb (14.6 kg) 36 lb (16.3 kg)

Meets NSF/ANSI/CAN 61 & NSF/ANSI 372 for water up to 73°F (23°C)

Anodized aluminum and 316 Stainless Steel

Double door with side hinges

1" MNPT Stainless Steel, optional - Stainless Steel hose IP 51, optional - IP 66 for NEMA cabinet systems Multiplex manifold and cabinets available

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

