

Technical Data Sheet Hallett[™] 500P

Potable Water Applications



Model Validation protocol

Hallett 500P

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)

 $30 - 40 \text{ mJ/cm}^2$ 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

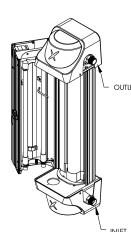
Dual LPHO - air mounted

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 29.5 in [750 mm] 36.5 in [926 mm]



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

