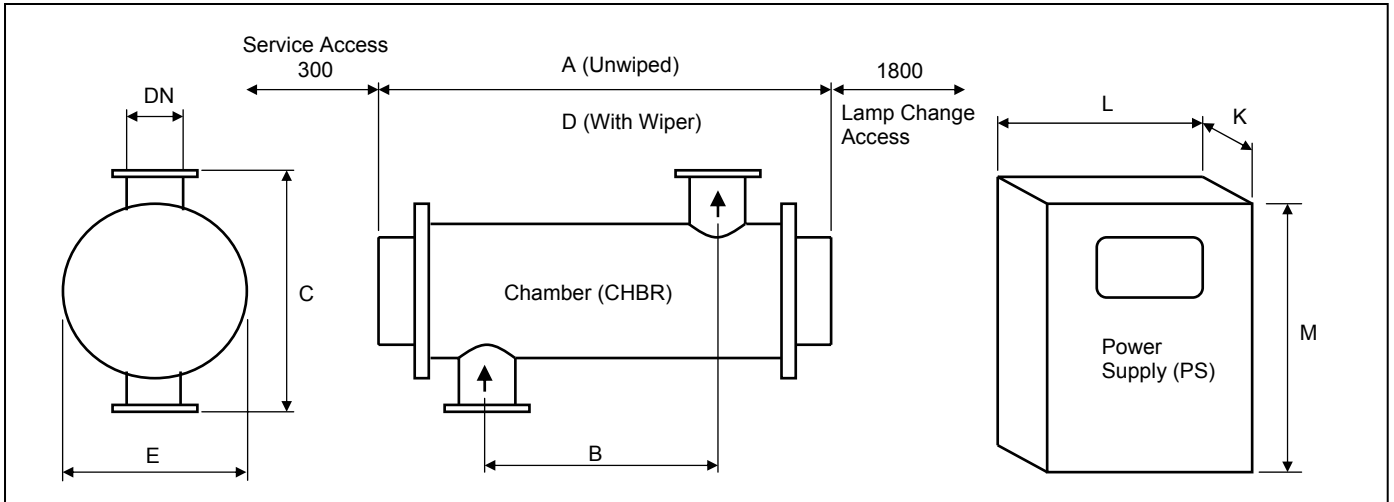


Specification

PHOTON II Disinfection Range – Medium Pressure, High Flows



All dimensions (mm) are approximate for clearance purposes only. Design improvements might invalidate these dimensions. Exact drawings available on request.

NB. K6 and L8 power supply units (PSU) are housed in two interconnected cabinets that may either be mounted side-by-side along a wall or back to back on an optional stainless steel skid. The values of K, L and M below indicate the dimensions

REF	A	B	C	D	E	K	L	M	DN	WEIGHT Kg		Power kW
										CHBR	PS	
PMD360G4/12	1090	500	650	1300	430	365	1000	1590	300	280	313	14.0
PMD360K6/12	1090	500	650	1300	430	365	2000	1590	300	300	444	21.0
PMD500G4/16	1650	760	1200	1860	630	365	1000	1590	400	420	313	14.0
PMD500K6/16	1650	760	1200	1860	630	365	2000	1590	400	420	444	21.0
PMD500L8/16	1650	760	1200	1860	630	365	2000	1590	400	420	626	28.0
PMD500L8/18	1650	700	1200	1860	630	365	2000	1590	450	440	626	28.0

Connections standard: PN16, ANSI 150lb

Options: JIS 10k

Construction:

- Chamber body 316L SS electro-polished
- High purity quartz sleeves
- Working / test pressure: 10/15 bar
- Pressure loss <70mbar at max flow
- Cabinet IP ratings: IP54/NEMA 12
- Cabinet in epoxy coated carbon steel
- Cooling fans

Certification & standards:

- UL Certified
- EN60204 and BS5500 (where applicable)
- Certified CE
- BS EN ISO9001 certified

Supply Voltages : 380 to 480 volt 50/60 Hz

PHOTON controls & features:

- **PHOTON UV series controls provide an interactive micro-processor controlled system for optimum ease of operation and traceability**
- **Menu driven system software with membrane switches for selective display of parameters and adjustment of set points**

Operational features:

- Lamp on / off
- Remote / local operation
- Dose computation from fixed or variable flow
- Selectable auto restart following power failure
- Water flow and temperature readout
- Master / slave operation
- On-line spares listing
- Language options

Screen displays:

- UV dose mJ/cm²
- UV intensity in mW/cm² or percentage
- Hours run
- Water flow rate and temperature etc

Alarm messages:

- Low UV
- RCD trip
- Chamber over-temperature
- Lamp fail
- Power supply over-temperature

External contacts:

- 4-20 mA signals for UV dose and intensity plus volt-free outputs for ten status indicators

Options

- Microprocessor controlled automatic wiper system with status messages
- Manual wiper system
- Data logging provides retrievable data on operations over twelve months. RS232 interface for download to PC or PSION
- Dose related variable power to arc tubes controlled by the micro-processor, with status messages
- Auto bleed and solenoid valve, microcomputer controlled with status messages
- Cabinets in 304 or 316 Stainless Steel
- Vent / drain valves
- UPW specification
- Certified arc tubes and UV monitors
- Skid mounted systems, pre-wired and tested
- FDA validation pack

Hanovia UV monitor:

- Sensitive only to germicidal UVC wavelengths
- Immersed directly in the water to avoid problems of condensation on windows
- Pre-calibrated and (option) certified to NPL traceable norms (option)

Installation notes:

- Install in a dry area
- Temperature >0°C and <50°C
- RH <90%
- Insulate from extreme cold
- Install chamber horizontally with water exit at top
- Allow maintenance space around system
- **PHOTON** screen should be at eye level

Hanovia

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