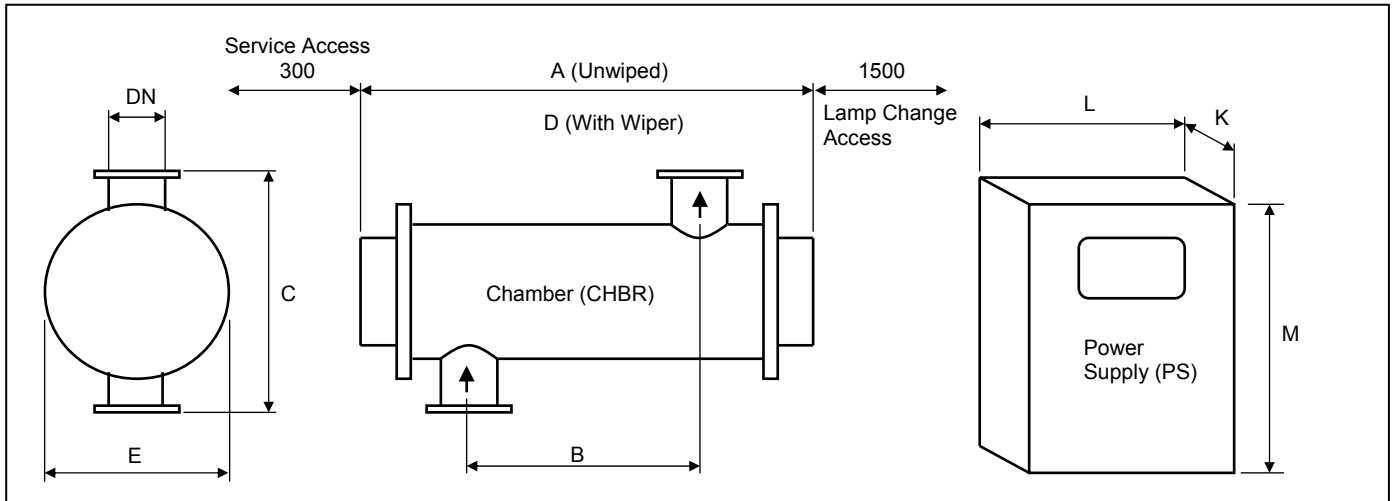


Specification

PHOTON II Disinfection Range – Medium Pressure



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

REF	A	B	C	D	E	K	L	M	DN	WEIGHT Kg		POWER kW
										CHBR	PS	
PMD102 A1/2	620	240	350	N/A	184	365	650	850	50	20	87	0.6
PMD102 B1/2	620	240	350	N/A	184	365	650	850	50	20	87	1.2
PMD150 C1/3	1090	710	400	1300	240	365	650	850	80	40	87	2.5
PMD150 C1/4	1090	710	400	1300	240	365	650	850	100	40	87	2.5
PMD200 C1/6	1090	660	550	1300	290	365	650	850	150	60	87	2.5
PMD200 D1/6	1090	660	550	1300	290	365	650	850	150	60	87	3.5
PMD320 E1/8	1090	610	600	1300	410	365	800	1100	200	110	162	5.5
PMD320 F1/8	1090	610	600	1300	410	365	800	1100	200	110	162	7.0
PMD320 F1/10	1090	550	600	1300	410	365	800	1100	250	110	162	7.0
PMD320 G4/10	1090	550	600	1300	410	365	1000	1590	250	120	313	14.0

Connections standard: PN16, DN, ANSI 150lb

Options: TRICLAMP, JIS 10K

Construction:

- Chamber body 316 L SS electro-polished
- High purity quartz sleeve
- UPW specifications (option)
- 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

Certifications & standards:

- UL Certified
- EN60204 and BS5500 (where applicable)
- CE Certified
- BS EN ISO9001 Certified
- FDA validation documentation

Supply voltages:

- Up to 2.5 kW : 110 to 240 volt 50/60 Hz
- 3.5 to 7 kW : 200 to 480 volt 50/60 Hz
- 7 to 14 kW : 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

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

Safety:

- Door interlocked cabinet isolator
- Separate door locks
- Earth leakage trip (RCD)
- Power supply over-temperature control
- Re-settable circuit breakers for incoming supply
- Wiper motor overload safety cut-out

Options:

- Microprocessor controlled automatic wiper system with status messages
- Manual wiper systems
- 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 status messages
- Cabinets in 304 or 316 Stainless Steel
- Skid mounted systems, pre-wired and tested
- UPW specification
- Vent / drain valves
- Certified arc tubes and UV monitors
- 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

If you require any further information, our highly trained sales and service staff will help you select and install the best plant for your needs. Our comprehensive after sales service includes a full range of spares and professional technical backup, with an optional service contract.

Hanovia

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