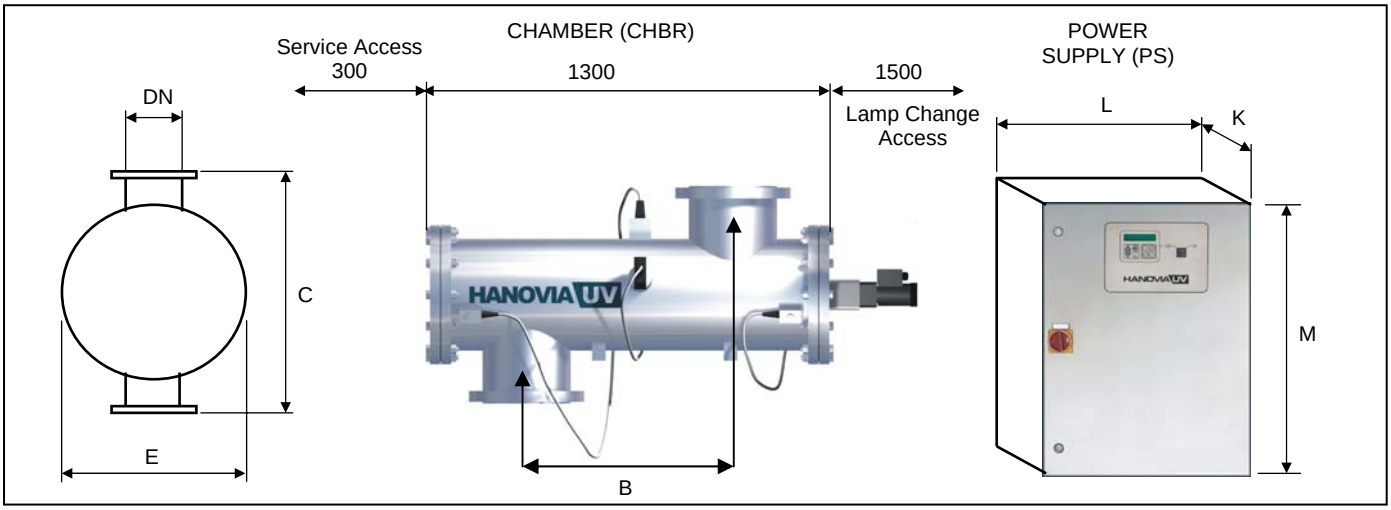
Specification

PHOTON II Swimming Pool Range – Medium Pressure



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

REF	B	C	E	K	L	M	DN	WEIGHT Kg		POWER kW
								CHBR	PS	
PSP150 C1/3	710	400	240	365	750	850	80	50	87	2.0
PSP150 C1/4	710	400	240	365	750	850	100	50	87	2.5
PSP200 D1/6	660	550	290	365	750	850	150	70	87	3.5
PSP200 E1/6	660	550	290	365	900	1100	150	70	162	5.5
PSP320 E1/8	610	600	410	365	900	1100	200	120	162	5.5
PSP320 F1/8	550	600	410	365	900	1100	200	120	162	7.0
PSP320 G4/10	550	600	410	365	1000	1590	250	150	312	14.0
PSP360 G4/12	500	650	430	365	1000	1590	300	200	312	14.0

Connections standard: PN16

Options: ANSI, JIS, TABLE E

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

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	:	382 to 480 volt 50/60 Hz

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

All Hanovia swimming pool models feature:

- **UV dose at end of lamp life of >60mJ/cm^2**
- **Automatic quartz sleeve wiping mechanism to ensure quartzware is kept free from deposits**
- **Photo-active arc tubes to increase photochemical break-down of objectionable organo-chlorine compounds**
- ***PHOTON* series controls providing an interactive micro-processor controlled system for optimum ease of operation and traceability**

PHOTON controls & features:

- **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/cm^2
- UV intensity in mW/cm^2 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

Wiper system:

- Microprocessor controlled automatic wiper system with status messages

Options:

- Photocatalytic lining on chamber to enhance photo-oxidation reactions
- 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
- Cabinets in 304 or 316 Stainless Steel
- Vent / drain valves
- Skid mounted systems, pre-wired and tested

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^{o}C and <50^{o}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
- Fit strainer after UV or install upstream of filters

Hanovia

WORLD CLASS UV

Hanovia Limited
145 Farnham Road
Slough, SL1 4XB
England
t +44 (0) 1753 515300
f +44 (0) 1753 534277
e Sales@hanovia.com
w www.hanovia.com

BSI REGISTERED UKAS QUALITY MANAGEMENT 003

A HALMA GROUP COMPANY