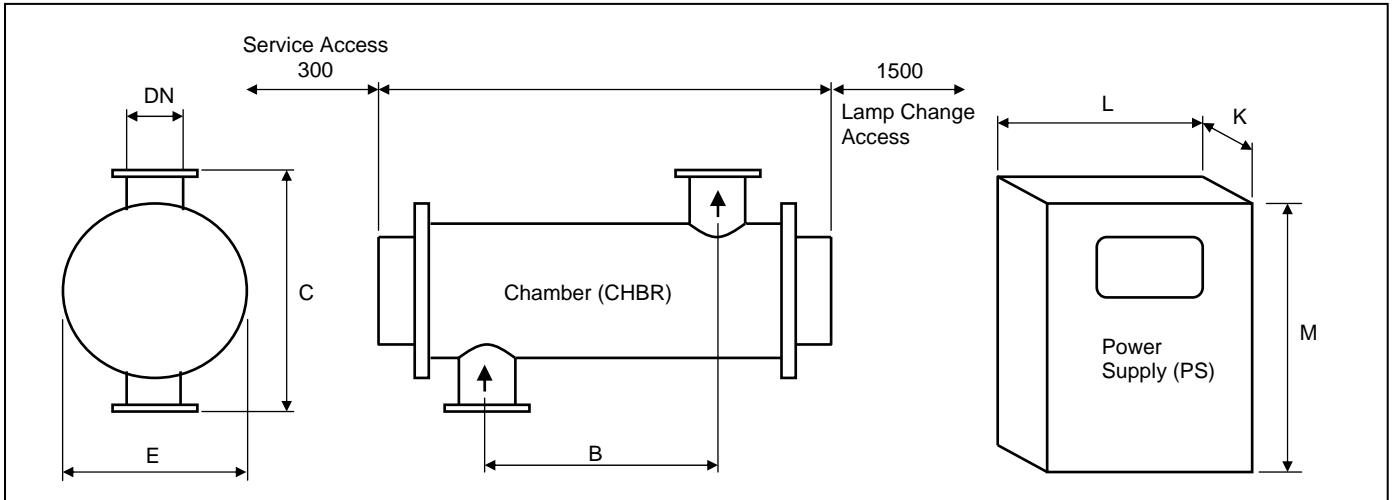


## Specification

### PHOTON II TOC Reduction 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	E	K	L	M	DN	WEIGHT Kg		Power kW
									CHBR	PS	
PMT150 D1/3	1090	710	400	240	365	750	850	80	40	87	3.5
PMT200 D1/4	1090	710	550	290	365	750	850	100	60	87	3.5
PMT200 F2/4	1090	710	550	290	365	750	850	100	65	87	7.0
PMT320 F2/4	1090	710	600	410	365	900	1100	100	110	162	7.0
PMT320 G4/6	1090	660	600	410	365	1000	1590	150	110	312	14.0
PMT320 K6/8	1220	610	610	410	365	1000	1590	200	110	445	21.0
PMT320 L8/8	1220	610	610	410	365	1000	1590	200	110	625	28.0
PMT360 K6/12	1090	500	650	430	365	1000	1590	280	110	445	21.0

**Connections standard:** PN16

**Options:** TRICLAMP, ANSI, JIS, RJT, BSP

**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

Hanovia **SuperTOC** arc tube technology is included in the **PHOTON** range offering optimised UV output for TOC reduction.

**Certification & standards:**

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

**Supply Voltages :**

**2.5 kW** : 110 to 240 volt 50/60 Hz  
**3.5 kW to 7kW** : 200 to 480 volt 50/60 Hz  
**7 to 28 kW** : 380 to 480 volt 50/60 Hz

**Safety:**

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

## PHOTON controls & features:

- **SuperTOC** technology is included in the **PHOTON** MT range. The **SuperTOC** arc tube was developed to provide a greatly enhanced photo-active emissions, leading to increased TOC reduction
- 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/cm<sup>2</sup>
- UV intensity in mW/cm<sup>2</sup> 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

*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*

### Options:

- 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 / clean room assembly
- Certified arc tubes and UV monitors
- Skid mounted systems, pre-wired and tested
- FDA validation pack
- Special gasket materials

### 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

WORLD CLASS UV

Hanovia Limited  
145 Farnham Road  
Slough, SL1 4XB  
England

 +44 (0) 1753 515300  
 +44 (0) 1753 534277  
 Sales@hanovia.com  
 www.hanovia.com



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HALMA GROUP  
COMPANY