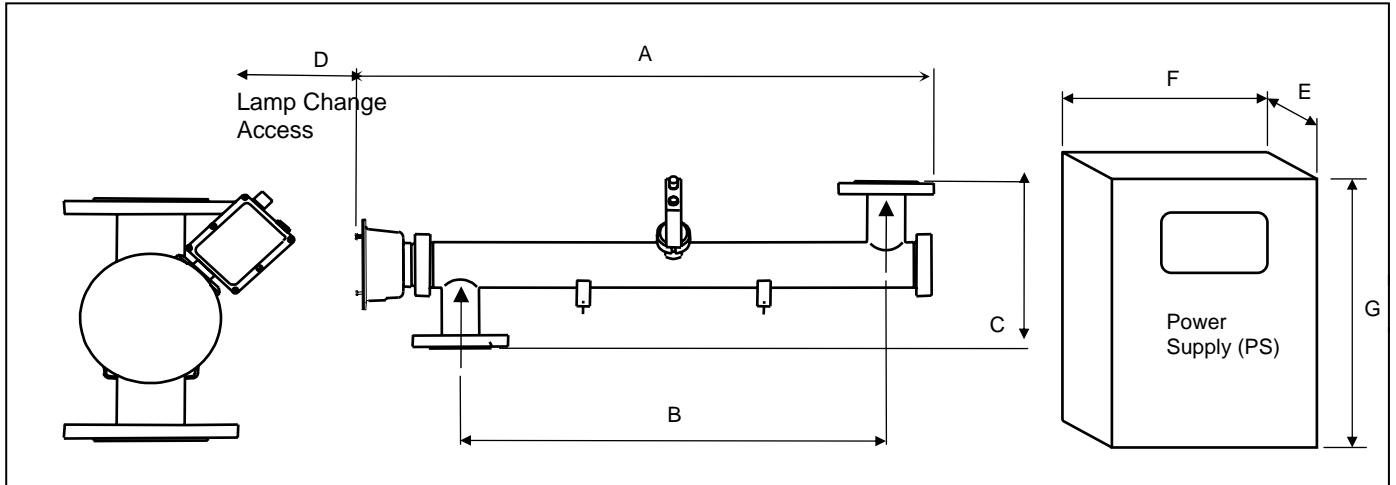


Specification

Sugar Syrup Disinfection Systems

PHOTON microprocessor control is now featured on Hanovia's well proven range of sugar disinfection units. Medium pressure technology, UV monitor is included.



Model	A	B	C	D	E	F	G	Flange Size	WEIGHT kg		POWER kW
									CHBR	PS	
UVSP 2.5	860	585	188	1000	365	650	850	40mm / 1.5"	20	87	2.5
UVSP 3.5	1115	825	280	1400	365	650	850	65mm / 2.5"	20	87	3.5
UVSP 5.0	1370	1000	280	1500	365	800	1100	65mm / 2.5"	30	162	5.0

Model	A	B	C	D	E	F	G	Flange Size	WEIGHT kg		POWER kW
									CHBR	PS	
PMS150 P4/3	1090	710	400	1400	365	1000	1590	85mm / 3"	60	313	10
PMS150 G4/4	1090	710	400	1400	365	1000	1590	100mm / 4"	65	313	14
PMS200 M7/6	1090	660	550	1400	365	1000	1590	150mm / 6"	85	2 x 313	25

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

Connections standard: PN16, ANSI

Options: JIS, TRICLAMP, IDF/ISS

Construction:

- Chamber body 316L SS electro-polished
- High purity quartz thimble / sleeves
- Working / test pressure: 10/15 bar
- Pressure loss dependant on sugar viscosity
- Cabinet IP rating: IP54/NEMA 12
- Cabinet in epoxy coated carbon steel
- Cooling fans

Certification & standards:

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

Supply voltages:

- 2.5 kW : 110 to 240 volt 50/60 Hz
- 3.5 to 5 kW : 200 to 480 volt 50/60 Hz
- 5 kW to 25kW : 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
- Liquid flow and temperature readout
- On-line spares listing
- Language options

Screen displays:

- UV dose mJ/cm²
- UV intensity in mW/cm² or percentage
- Hours run
- Liquid 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

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

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
- Cabinets in 304 or 316 Stainless Steel
- Skid mounted systems, pre-wired and tested
- 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 liquid to avoid problems of condensation on windows
- Pre-calibrated and (option) certified to NPL traceable norms

Installation notes:

- Install in a dry area
- Temperature >0°C and <50°C
- RH <90%
- Insulate from extreme cold
- Install chamber horizontally 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
f +44 (0) 1753 534277
e Sales@hanovia.com
w www.hanovia.com



A
HALMA GROUP
COMPANY