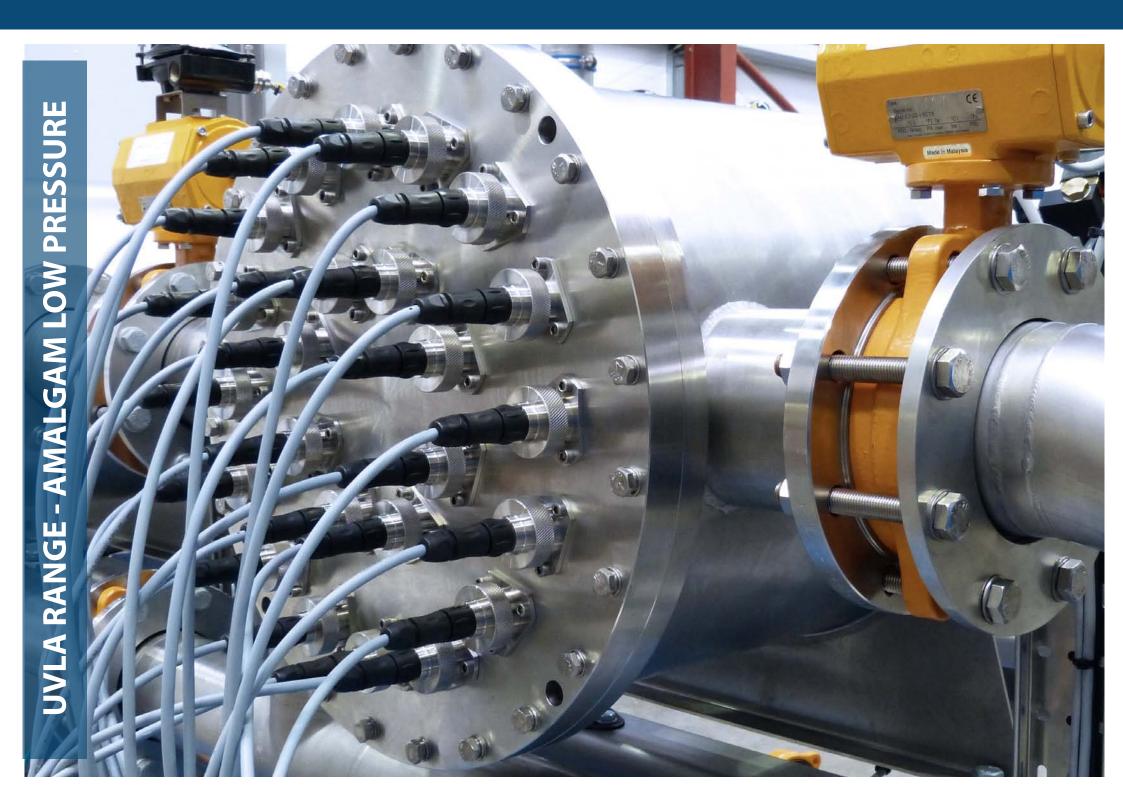




UVLA RANGE LOW PRESSURE AMALGAM



HIGH QUALITY UV
DISINFECTION SYSTEMS
FOR INDUSTRIAL,
MUNICIPAL &
PETROCHEMICAL
APPLICATIONS



A RANGE OF 27
WRAS APPROVED
AMALGAM UV SYSTEMS
WITH OVER 100
CUSTOMISED OPTIONS &
CONFIRGURATIONS

LOW PRESSURE AMALGAM UV SYSTEMS

DEFINING THE UV INDUSTRY WITH MARKET LEADING TECHNOLOGY SINCE 1981

THE UVLA SERIES PROVIDES A RANGE OF HIGH QUAILITY, WRAS APPROVED SINGLE & MULTI-LAMP LOW PRESSURE AMALGAM UV SYSTEMS FOR VIRTUALLY ANY WATER TREATMENT APPLICATION

The UVLA series offers a range of high quaility, reliable single and multi-lamp UV disinfection systems, utilising the very latest in amalgam UV lamp technology. Featuring traditional axial style UV chambers and a number of market leading design features, the UVLA range provides a cost effective, premium solution for the environmentally friendly process of UV disinfection. The UVLA series offers solutions for a vast range of water treatment applications, including: mains water, process water, cooling loops, water features, potable drinking water, food and beverages and wastewater.

Featuring 27 UV systems in the range, with configurations of 1 to 32 lamps, customised chamber designs, selectable instrumentation options and a choice of 3 local control panels, the UVLA series provides one of the most flexible and cost effective solutions available in the UV disinfection industry.

With WRAS approval for potable drinking water applications, and US EPA UVDGM & NSF-55 validation on selected models, the UVLA range offers guaranteed performance and quaility.



WITH 3 LOCAL CONTROL
PANELS TO SUIT YOUR
NEEDS, THE UVLA SERIES
PROVIDES THE MOST
FLEXIBLE & VERSATILE
SOLUTION AVAILABLE IN
THE UV MARKET



MARKET LEADING DESIGN WITH STATE-OF-THE-ART TECHNOLOGY

Synergy 1 Local Control Panel

- ✓ Power on / off switch
- ✓ Power on indication
- ✓ Hours Run digital display
- ✓ Lamp on LED indicator
- ✓ Lamp failed contact (VFC)
- ✓ Fused solenoid valve output
- ✓ Audible alarm

Synergy 2 Local Control Panel

- ✓ Power on / off switch
- ✓ System running LED display
- ✓ Change lamp indicator LED display
- ✓ Panel over temperature fault LED display
- ✓ Bleed temperature monitor LED display
- ✓ UV intensity (%) LED display
- ✓ UV chamber temperature oC LED display
- ✓ Process interlocks pump start / stop
- ✓ Remote operation run / start / stop
- ✓ Additional volt free contact (VFC)

Synergy 3 Local Control Panel

- ✓ Power on / off switch
- System running LED display
- ✓ Change lamp indicator LED display
- Panel over temperature fault LED display
- ✓ Bleed temperature monitor LED display
- ✓ UV intensity (%) LED display + 4-20 mA
- ✓ UV chamber temperature oC LED display
- ✓ Process interlocks pump start / stop
- √ Remote operation run / start / stop
- ✓ Additional volt free contact (VFC)
- ✓ Automatic wiper system control & LED fault display

UV System	UVLA-120-4	UVLA-200-4	UVLA-325-4	UVLA-200-6	UVLA-325-6	UVLA-200-8	UVLA-325-8	UVLA 2200-6	UVLA 3200-8	UVLA 4200-8	UVLA 3325-8	UVLA 4325-8	UVLA 6325-8	UVLA 6325-10	UVLA 8325-10	UVLA 8325-12
Performance																
Certification		WRAS Appoved, CE Marked														
UV dose range	Minimum wall dose / average UV dose															
UV lamps and monitoring																
Lamp power	120 W	200 W	325 W	200 W	200 W	325 W	325 W	200 W	200 W	200 W	325 W	325 W	325 W	325 W	325 W	325 W
Lamp number	1	1	1	1	1	1	1	2	3	4	3	4	6	6	8	8
Lamp life		12,000 hours expected									•					
Lamp design	TWISTLOK PLUS™ quick release, enhanced safety - low pressure amalgam															
UV monitoring	AT605 - IP66 (optional) / AT-463 4-20 mA - IP66 (optional)															
UV Chamber																
Connection size	DN50	DN50	DN50	DN80	DN80	DN80	DN80	DN100	DN150	DN150	DN150	DN150	DN150	DN200	DN200	DN300
Connection type	DIVO	DIVO	DIVO	DIVOO	DIVOO	DIVOO				1	DIVISO	DIVISO	DIVISO	DIVZOO	DIVZOO	DNS00
Design pressure	BS4504 PN10 RF Flange 10 Rarg design (15 Rarg test)															
Material construction	10 Barg design (15 Barg test) 316L stainless steel															
Internal / external finish		ο.8 μm Ra internal / 1.6 μm Ra external														
Standard body design							010 p		ss chamber							
Mounting						Adiust	able PVC pi								Legs	
Lamp and wiper access	Dua	al ended ac	cess						Sing	le ended a	ccess			1	- 5	
Quartz type	High purity quartz sleeve															
Wiper system		Manual wiper system (optional) / Automatic wiper system (optional)														
Vent & drain port		Yes														
Ingress protection	IP66															
Installation	Horizontal															
Chamber options	0.4 μm Ra internal polish upgrade / electropolish upgrade / super duplex 25% chrome steel / tri-clamp connections															
Technical																
Lamp power supply							High	n frequecy e	electronic ba	allast						
Power consumption	132 W	220 W	358 W	220 W	358 W	220 W	358 W	440 W	660 W	880 W	975 W	1,430 W	2,145 W	2,145 W	2,860 W	2,860 W
Mains power								1	0 V			1				
Power phase + neutral	1 Phase + Neutral															
Frequency		50 Hz or 60 Hz														
IP Rating	IP54															



FOR LARGE INDUSTRIAL
PROJECTS & LOW
UV TRANSMITTENCE
APPLICATIONS, ATG UV
TECHNOLOGY OFFERS
AN EXTENED RANGE OF
UV SYSTEMS WITH
12 TO 32 UV LAMPS



MARKET LEADING DESIGN WITH STATE-OF-THE-ART TECHNOLOGY

Performance Advantages

- ✓ 120 Watt, 200 Watt, 325 Watt UV lamps
- ✓ Single & multi-lamp configurations
- ✓ Traditional U and S shape UV chamber designs
- ✓ WRAS Approval & CE Marked
- ✓ Capacities from 0.1 m3/hr 2,000 m3/hr
- ✓ 12,000 hour lamp life
- ✓ Effective for a large range of applications
- ✓ ATEX hazardous area versions available

Operational Benefits

- ✓ Easy to operate with no specialist training required
- \checkmark Simple and cost effective to run and maintain
- ✓ Quick release enhanced safety 'Twistlok' Lamps
- ✓ Dry UV monitors and temperature probes
- ✓ Robust, chemical free automatic wiper system
- √ Robust chemical free manual wiper system
- ✓ Lamp changes without removing wiper motor
- Reduced power consumption with high efficiency amalgam UV lamps

Installation Advantages

- ✓ Compact and easy to install
- Closed system design installs directly into pipe work
- ✓ Horizontal and vertical installation options
- ✓ Multiple flange size, type and mounting options
- ✓ Suitable for both new builds and retrofits
- ✓ Large range of custom options available
- ✓ Single sided maintenance / access
- ✓ Robust and durable design with 5 year warranty

Performance WRAS Approved, CE Marked WRAS	UVLA-32325-20	UVLA-30325-20	UVLA-28325-20	UVLA-26325-20	UVLA-24325-20	UVLA-22325-20	UVLA-20325-14	UVLA-18325-14	UVLA-16325-14	UVLA-14325-14	UVLA-12325-14	UV System
UV lamps and monitoring Lamp power												Performance
UV lamps and monitoring Lamp power 3.25 W 200 W 3.25 W 200 W 3.25 W 200 W	WRAS Appoved, CE Marked										Certification	
Lamp power	··										UV dose range	
Lamp number 12 14 16 18 20 22 24 26 28 30 Lamp life	oring										UV lamps and monitoring	
Lamp life Lamp design UV monitoring AT605 - IP66 (optional) / AT-463 4-20 mA - IP66 (optional) UV Chamber Connection size DN300 DN300 DN300 DN300 DN300 DN350 D	325 W	200 W	200 W	200 W	325 W	325 W	200 W	200 W	325 W	200 W	325 W	Lamp power
Lamp design UV monitoring TWISTLOK PLUS TM quick release, enhanced safety - low pressure amalgam AT605 - IP66 (optional) / AT-463 4-20 mA - IP66 (optional) UV Chamber Connection size DN300 DN300 DN300 DN300 DN300 DN300 DN350 D	32	30	28	26	24	22	20	18	16	14	12	Lamp number
UV Chamber Connection size DN300 DN300 DN300 DN300 DN300 DN300 DN300 DN350 D						12,000 hours						Lamp life
UV Chamber Connection size DN300 DN300 DN300 DN300 DN300 DN350 DN											Lamp design	
Connection size DN300 DN300 DN300 DN300 DN350 DN											UV monitoring	
Connection size DN300 DN300 DN300 DN300 DN300 DN350											IIV Chambar	
Connection type Design pressure 10 Barg design (15 Barg test) Material construction 1316L stainless steel Internal / external finish 0.8 µm Ra internal / 1.6 µm Ra external Standard body design Mounting Legs Lamp and wiper access Quartz type Miper system Wiper system Wiper system Manual wiper system (optional) / Automatic wiper system (optional) Vent & drain port Ingress protection Installation Chamber options Technical Lamp power supply High frequecy electronic ballast	DN350	DNSEO	DNSEO	DNSEO	DNSEO	DNISEO	DNSEO	DN300	DN300	DN300	DN300	
Design pressure10 Barg design (15 Barg test)Material construction316L stainless steelInternal / external finish0.8 μm Ra internal / 1.6 μm Ra externalStandard body designOpen access chamberMountingLegsLamp and wiper accessSingle ended accessQuartz typeHigh purity quartz sleeveWiper systemManual wiper system (optional) / Automatic wiper system (optional)Vent & drain portYesIngress protectionIP66InstallationHorizontalChamber options0.4 μm Ra internal polish upgrade / electropolish upgrade / super duplex 25% chrome steel / tri-clamp connectionsTechnicalLamp power supplyHigh frequecy electronic ballast	DINSSU	DNSSO	DN330	DNSSO				DNS00	DNS00	DNSOO	DNS00	
Material construction316L stainless steelInternal / external finish0.8 μm Ra internal / 1.6 μm Ra externalStandard body designOpen access chamberMountingLegsLamp and wiper accessSingle ended accessQuartz typeHigh purity quartz sleeveWiper systemManual wiper system (optional) / Automatic wiper system (optional)Vent & drain portYesIngress protectionIP66InstallationHorizontalChamber options0.4 μm Ra internal polish upgrade / electropolish upgrade / super duplex 25% chrome steel / tri-clamp connectionsTechnicalHigh frequecy electronic ballast												
Internal / external finish Standard body design Mounting Legs Lamp and wiper access Quartz type Wiper system Wiper system Went & drain port Ingress protection Installation Chamber options Open access chamber Open access chamber Wing system Wiper system Manual wiper system (optional) / Automatic wiper system (optional) Yes Ingress protection Installation Chamber options O.4 µm Ra internal polish upgrade / electropolish upgrade / super duplex 25% chrome steel / tri-clamp connections Technical Lamp power supply High frequecy electronic ballast												
Standard body designOpen access chamberMountingLegsLamp and wiper accessSingle ended accessQuartz typeHigh purity quartz sleeveWiper systemManual wiper system (optional) / Automatic wiper system (optional)Vent & drain portYesIngress protectionIP66InstallationHorizontalChamber options0.4 µm Ra internal polish upgrade / electropolish upgrade / super duplex 25% chrome steel / tri-clamp connectionsTechnicalLamp power supplyHigh frequecy electronic ballast												
MountingLegsLamp and wiper accessSingle ended accessQuartz typeHigh purity quartz sleeveWiper systemManual wiper system (optional) / Automatic wiper system (optional)Vent & drain portYesIngress protectionIP66InstallationHorizontalChamber options0.4 μm Ra internal polish upgrade / electropolish upgrade / super duplex 25% chrome steel / tri-clamp connectionsTechnicalLamp power supplyHigh frequecy electronic ballast												
Lamp and wiper access Quartz type High purity quartz sleeve Wiper system Manual wiper system (optional) / Automatic wiper system (optional) Vent & drain port Yes Ingress protection IP66 Installation Chamber options O.4 µm Ra internal polish upgrade / electropolish upgrade / super duplex 25% chrome steel / tri-clamp connections Technical Lamp power supply High frequecy electronic ballast							-,					
Quartz type High purity quartz sleeve Wiper system Manual wiper system (optional) / Automatic wiper system (optional) Vent & drain port Yes Ingress protection IP66 Installation Horizontal Chamber options 0.4 µm Ra internal polish upgrade / electropolish upgrade / super duplex 25% chrome steel / tri-clamp connections Technical Lamp power supply High frequecy electronic ballast										_		
Wiper system Manual wiper system (optional) / Automatic wiper system (optional) Vent & drain port Yes Ingress protection IP66 Installation Chamber options O.4 µm Ra internal polish upgrade / electropolish upgrade / super duplex 25% chrome steel / tri-clamp connections Technical Lamp power supply High frequecy electronic ballast	-											
Vent & drain portYesIngress protectionIP66InstallationHorizontalChamber options0.4 μm Ra internal polish upgrade / electropolish upgrade / super duplex 25% chrome steel / tri-clamp connectionsTechnicalHigh frequecy electronic ballast				optional)				Manual				
Installation Chamber options 0.4 μm Ra internal polish upgrade / electropolish upgrade / super duplex 25% chrome steel / tri-clamp connections Technical Lamp power supply High frequecy electronic ballast					. ,							
Chamber options 0.4 µm Ra internal polish upgrade / electropolish upgrade / super duplex 25% chrome steel / tri-clamp connections Technical Lamp power supply High frequecy electronic ballast						IP66						Ingress protection
Technical Lamp power supply High frequecy electronic ballast										Installation		
Lamp power supply High frequecy electronic ballast			np connections	me steel / tri-clan	duplex 25% chro	upgrade / super	e / electropolish	nal polish upgrad	0.4 μm Ra interr			Chamber options
Lamp power supply High frequecy electronic ballast	Technical											
	High frequecy electronic ballast											
Power consumption 4,290 W 5,005 W 5,720 W 6,435 W 7,150 W 7,865 W 8,580 W 9,295 W 10,010 W 10,725 W	11,440 W	10,725 W	10,010 W	9,295 W	8,580 W	7,865 W	7,150 W	6,435 W	5,720 W	5,005 W	4,290 W	Power consumption
Mains power 230 V												
Power phase + neutral 1 Phase + Neutral	1 Phase + Neutral											
Frequency 50 Hz or 60 Hz	50 Hz or 60 Hz											

IP54

IP Rating







Siam Pollutek Co., Ltd

40/25 Soi Wachiratham-satit 8, Sukmvit 101/1 , Bangna , Bangkok 10260 Tel 02- 7478234, Fax 02-7477566, E-mail : info@siampollutek.com Web : www.siampollutek.com, Line ID : siam.pollutek