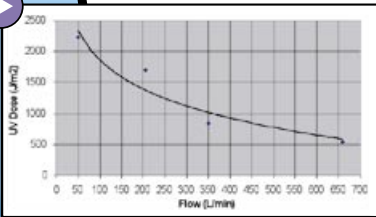


## STERIFLO X Series – High flow UV water sterilisers

The Steriflo X series uses the latest lamp and ballast technology in a series of UV sterilisers proven in service and with dose calculations validated by bioassay against the UV resistant spore B.Subtilis under strictly controlled conditions.

The smaller systems (VX2 and CX2) use two low pressure high output (LPHO) lamps. The more powerful ALX models make use of the latest technology amalgam lamps which have the advantage that they can operate correctly in very hot water (unlike low pressure lamps). All units feature reliable third generation electronic ballasts that maximise lamp life and minimise power consumption.



ALX2/6 dose vs. flow curve determined by bioassay

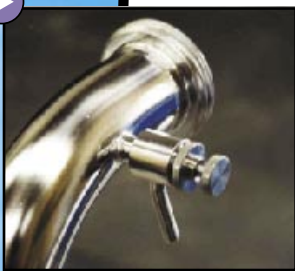
- |                                |   |                               |
|--------------------------------|---|-------------------------------|
| Latest technology lamps        | - | Fewer lamps, compact design   |
| Amalgam lamps                  | - | High output, no free mercury  |
| Electronic ballasts            | - | Maximum electrical efficiency |
| Calibrated UV meter (optional) | - | Internationally traceable     |
| Bioassay tested                | - | Dose calculations verified    |



Steriflo ACX2

### UV Meter options

All units are equipped with UV intensity metering. Standard is a versatile UV intensity sensor with 0-100% analogue display and adjustable low UV alarm set point. For equipment installed under regulatory control an independently calibrated traceable UV meter is available. This meter has a digital display and 4-20mA output. The meter and associated sensor are calibrated in an IEC17025 facility under rigorous conditions. The calibrated meter can be retrofitted to existing installations or if requirements change in the future.



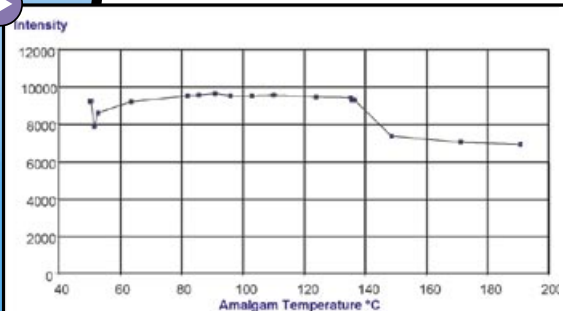
Sterile sample tap

### Amalgam Lamps

The Steriblitz GIA lamps used in the ALX series are specifically designed for water treatment having over double the output of standard germicidal lamps. This means fewer lamps can be used with lower life cycle costs.

The GIA lamps are less sensitive to water temperature than standard lamps which allows output to be maintained regardless of water temperature.

GIA lamps contain their mercury in the form of a solid amalgam and therefore represent little environmental risk.



Amalgam lamp output vs. temperature

#### Standard features

- 40mJ/cm<sup>2</sup> minimum dose
- Electronic ballasts
- IP65 control panel
- 316 stainless steel treatment chambers
- High efficiency
- Hour meter
- Control panel fan (Amalgam units)
- Low UV alarm, lamp fail alarm
- UV intensity display (0-100%)

#### Options

- Sanitary sample valves
- 304 stainless steel panel
- Traceable, calibrated UV meter
- 4-20mA UV meter output
- Many connection options: BSP, flange (British, US, DIN), or sanitary union (RJT or Triclamp)

## STERIFLO X Series – High flow UV water sterilisers

### Specifications

Model	No. of lamps	Lamp type	Power consumption (Watts)	Capacity 100%T	Capacity 90%T	Connection size (typ.)
VX2	2	LPHO	170	14	11	40mm
CX2	2	LPHO	170	23	15	50mm
ACX2	2	Amalgam	240	26	18	50mm
ALX2/6	2	Amalgam	400	35	25	80mm
ALX2/8	2	Amalgam	400	48	30	80mm
ALX4/6	4	Amalgam	800	49	35	100mm
ALX4/8	4	Amalgam	800	88	60	100mm
ALX4/10	4	Amalgam	800	125	85	150mm
ALX6/10	6	Amalgam	1200	150	115	200mm
ALX8/10	8	Amalgam	1600	220	195	250mm
ALX8/12	8	Amalgam	1600	250	210	250mm

Specifications (based on 40mJ/cm<sup>2</sup> minimum dose)\*

\*The above flow rates can be increased by one third if a 30mJ/cm<sup>2</sup> minimum dose is acceptable. Flows are m<sup>3</sup>/hr.  
Lamp life: LPHO 6500 hours. Amalgam 8500 hours

#### Unit dimensions (approx, mm w x h x d)

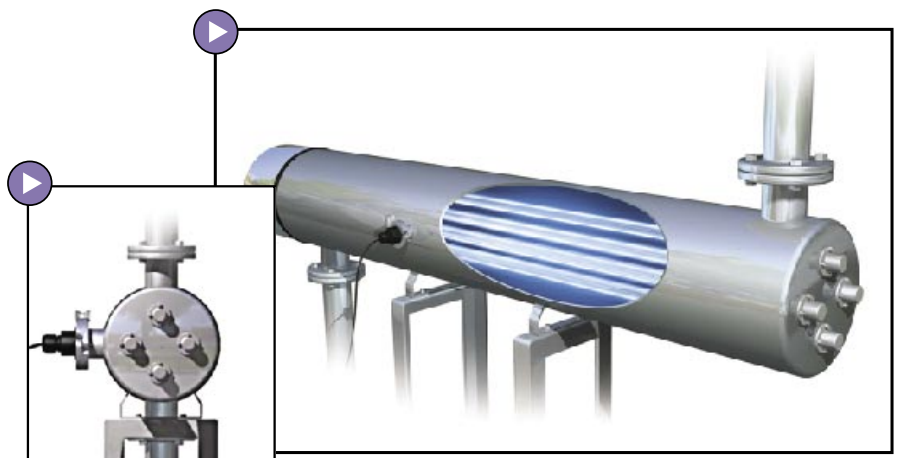
Control panel (standard grey polyester)

VX2, CX2	360 x 360 x 180
ACX2, ALX2	360 x 520 x 180
ALX4	500 x 750 x 320
ALX6, ALX8	750 x 750 x 320

Treatment chamber length (mm)

VX2, CX2, ACX2	1000mm
ALX2, ALX4, ALX6	1650mm
ALX8	1800mm

(Allow one chamber length for lamp removal)



Steriflo ALX 4/8

