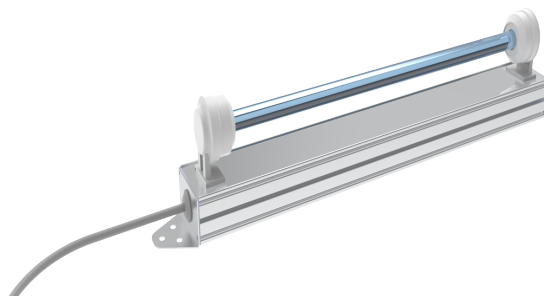


UV-STICK-AX-SCR

UV-STICK...AX-SCR device includes a series of UV-C reglette of reduced size and different lengths, to irradiate thermal batteries (coils) and internal filter sections of AHU - Air Handling Unit – in central air conditioning systems; their purpose is to eliminate the microbial load.



The device is a reglette built entirely in extruded anodized aluminum, IP55 protection and fitted with a reflecting screen in mirror bright aluminum, to increase the power of radiation, through the reflection of UV-C proportion that would otherwise be wasted in the opposite direction to the useful ones.

The extruded aluminum case, contains special electronic ballasts to maximize yield and duration of UV-C lamp. To avoid flying splinters of glass after the collapse of the UV lamp, a protection of the UV lamp by means of the special thermo-retracted sheath UVLON®-PIPE (Tetrafluoroethylene), with UV-C transparency >85%. can be provided, always as an option UVLON®-PIPE is a patented system to withstand the wear and tear; it has low adhesion to any product or substance, is resistant to any aggressive chemical at high or low temperatures. It is a polymer conforms to F.D.A. tests for use with foodstuffs.

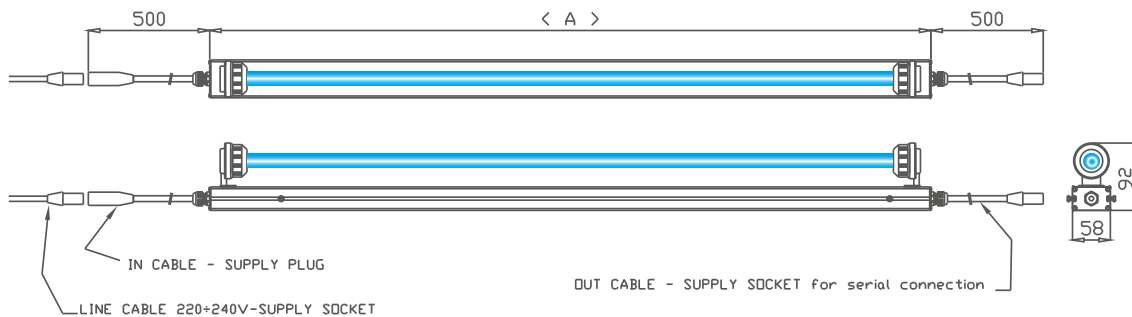
We suggest to install one or more UV-STICK...AX-SCR in a layout that allow the device/s to irradiate coil's surface entirely, to obtain an homogeneous treatment of inner surfaces. For this reason uv-technik offers a special and adjustable mounting kit to install devices properly. Mounting kit is made in anodized aluminum, it can be used to install devices in serie, attaching them directly to AHU's wall. Devices are connected through SCR serial connectors, it is possible to switch them all ON through only one power supply cable. The constituent materials of UV-STICK...AX allow its use even in harsh operating conditions (high humidity, low temperatures, etc.), or where conditions require a high resistance to chemicals and weathering.

Technical Specification

UV-STICK-	40H-AX-SCR	60H-AX-SCR	90H-AX-SCR	120H-AX-SCR
LAMP LIFETIME (hour)*	≤ 18.000	≤ 18.000	≤ 18.000	≤ 18.000
TOTAL CONSUMPTION (W)	40	60	90	120
EXTERNAL DIMENSIONS LxSxH (mm)	496 x 58 x 92	659 x 58 x 92	953 x 58 x 92	1233 x 58 x 92
"A" DIMENSIONS (mm)	496	659	953	1233
AVERAGE SURFACE OF COIL / FILTER COVERED (m ²)	0,25 ÷ 0,50	0,35 ÷ 0,70	0,50 ÷ 1,00	0,65 ÷ 1,30
WEIGHT (Kg)	1,05	1,2	1,4	1,6
PROTECTION RATING	IP 55			
REPLACEMENT LAMP	CHS-40WH	CHS-60WH	CHS-90WH	CHS-120WH

* continuous operation

Technical Drawings



Installation instructions

UV-STICK-AX-SCR can be mounted inside HVAC systems, specifically in front of coils in the AHU. A MOUNTING KIT could be connected directly with the AHU walls or inner components surfaces.

Supports are adjustable according to the sizes of your system, our technical department designs custom layouts for clients specific needs; the kit is provided with the devices as optional.

UV-STICK-AX-SCR are linkable together by a serial electrical connection (up to 10 devices).

Upstream, the first devices must be plug to the power supply line, then every other UV-STICK-AX-SCR has to be connected with the next one (in series) through its special serial connection plug - in this way all devices will turn ON simultaneously. Power supply connection cable, serial connectors and final cap to close the whole series are all provided.

