



SCU-UV

System for UV disinfection of air in ventilation ducts

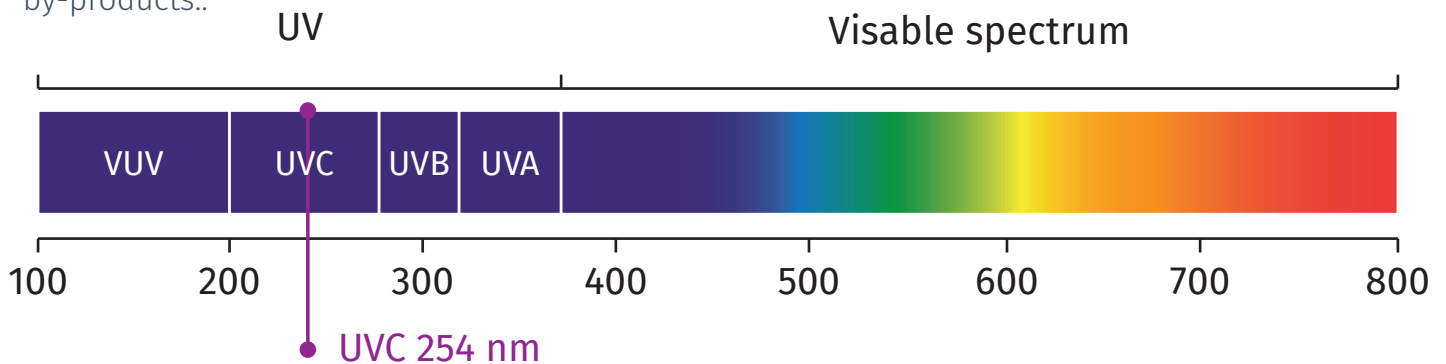
- Elimination of pathogenic microorganisms such as bacteria and viruses using UV technology
- Provides disinfected air in the room where you live
- Reduces the risk of disease and the spread of airborne infections
- Makes spaces safe for your employees and customers

Possibility of installation in existing or new mechanical ventilation systems

- Offices
- Hotels and restaurants
- Public institutions
- Shopping malls
- Hospitals and health facilities
- Industrial facilities
- Sports facilities and recreation areas

Mode of operation

UV disinfection is a method based on irradiation with ultraviolet light of wavelength 254 nm, very high energy levels. Depending on the radiation dose (J / cm²), UV light eliminates most pathogenic microorganisms from the supply air, without the formation of harmful chemical compounds and by-products..



Functionality:

- Easy and completely safe installation in the existing ventilation system
- Quick, easy and safe UV lamp replacement
- Modular construction allows additional equipment with prefilters, HEPA filters and filters with activated carbon

Standard equipment:

- Appropriate number of UV lamps for supply air disinfection
- Removable control module (possible installation on duct or wall)
- Inspection opening with built-in inspection glass opening with UV protection
- LED operation indicator on the control module
- Pressure switch to turn on
- Service switch
- Safety switch on the inspection opening
- Hour meter
- Ability to connect to BMS

Additional equipment:

- Prefilter (G4, F7 or F9) type PFCU
- HEPA filter(H14) type SCU
- Activated carbon filter type FKU



Technical specifications

Type	BxH [mm] L = 1000 mm	Max. air flow Q [m ³ /h]	Air temperature T [°C]	Humidity rH [%]	No. of lamps	Nominal power P [W]	Voltage U [V]
SCU-UV LV	325x630	1350-3200	20-22	50	1	35 W	230/50 Hz
SCU-UV LV	630x630	3200-4000	20-22	50	2	60 W	230/50 Hz
SCU-UV LV	782x630	4000-5500	20-22	50	2	60 W	230/50 Hz
SCU-UV HV	900x300	3200-4900	20-22	50	2	90 W	230/50 Hz
SCU-UV HV	900x600	6200-9800	20-22	50	3	135 W	230/50 Hz
SCU-UV HV	900x900	9000-14600	20-22	50	4	175 W	230/50 Hz

* Use the device only for pre-filtered air