AIR AND SURFACE STERILIZATION

FS-SYSTEM ATEX
with explosion protection
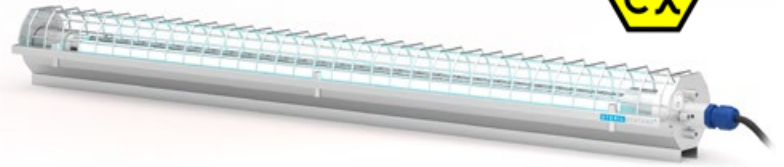
This certified device type has been developed under special explosion protection requirements especially for the sterilization of air and/or surfaces in dust-prone areas (with permanent or temporary dust exposure) in food processing, animal rearing and living/office areas, laboratories and the pharmaceutical industry.

The FS system ATEX disinfects by means of UV-C light with a main emission of 254nm and eliminates germs up to 99.999% whereby germs, viruses, yeasts and mould spores are effectively killed and their multiplication prevented.

the highest hygiene standards. ATEX certification requires ballast units which are adapted especially to the device type and need to be mounted outside the EX area. The control electronics are fitted with an LED status display and potential-free signal contact.

Design

FS ATEX sterilization systems can be used individually and adapted to suit almost any disinfection area thanks to their simple mounting.

The system comprises of a UV-C emitter with shatter protection and VA casing, protective grille and frame. The device is made out of high quality, rust-proof stainless steel and fulfils

Features

✓ **Explosion protection** – developed especially for hazardous areas with dust exposure

✓ **End of life cut off** – the included control electronics of the UV-C emitter are fitted with end of life cut off

✓ **Economical** – long life of high efficiency UV-C emitter with 12,000 operating hours

Technical data

Type FS-ATEX	FS0700ex	FS0810ex	FS1000ex	FS1500ex	FS1800ex
Explosion protection	(Ex) II 3 D Ex tc IIIC T190°C Dc 0°C ≤ T_{amb} ≤ +60°C (Zone 22)				
Measurement built-in length (mm) | weight (kg)	805 | 3,7	915 | 4,2	1105 | 6,1	1605 | 7,2	1905 | 8,4
Height / width (mm)	84 / 92				
Output (watt)	35	40	50	77	92
Material frame / casing | Connection cable	Stainless steel | 3 m				
Emitter | Protective category	high efficiency UV-C emitter 12,000 hrs | IP67				
Voltage	230 V +- 10% 50..60 Hz				
Identification	CE				
Ballast unit item no.	44VGX00140	44VGX00140	44VGX00150	44VGX00177	44VGX00192
Status display / signal | Material	LED / 5 volt | Galvanized/powder-coated steel				
Identification	CE				