



# SURFACE STERILIZATION SYSTEM

## FS32-SYSTEM



The FS32-series – with new high-performance technology (HPF) – was developed especially for the sterilization of surfaces. The HPF technology provides an up to 2.5 times higher power compared the prior FS-series and therefore is qualified to meet special sterilization requirements.

Unwanted microorganisms are often brought in from the outside and adhere to surfaces. The result: Germs, viruses, yeasts and mildews are inevitably distributed through the production environment, can proliferate here and re-contaminate the products. A quality reduction and shortening of the minimum durability are the result.

The FS32-UV-C-system of STERILSYSTEMS permits a sterilization up to 99.999 %; germs, viruses, yeasts and mildews will be effectively eliminated and their proliferation will be stopped.

## Design

FS32 sterilization systems can be used individually and, thanks to their easy installation, they can be adapted to almost any disinfection area.

The system consists of an UV-C radiator and splinter protection and it is additionally equipped with an integrated HPF reflector. The housing is made of a high-quality stainless steel and is in accordance with the highest hygienic requirements. The system is completely watertight and is in accordance with IP68. The front-end electronics can optionally be delivered with or without switch cabinet. Monitoring the radiators is possible on request – in case of a failure, this will be displayed through indicator lamps or a floating output telecommunication contact.

The exchange of the radiators is very simple and can be accomplished with a few hand movements, without additional maintenance costs.

## Features

- ✓ **High-performance** – based on the new high-performance technology, a performance increase of up to 2.5 times higher power compared to conventional radiators is achieved.
- ✓ **Robust** – the protective tubes with a strong wall thickness and the splinter protection ensure a high break resistance during cleaning and handling.
- ✓ **Water tight** – the completely watertight design of the UV-C radiators prevents the penetration of moisture and ensures a failure-free and long-lasting operation.
- ✓ **Very economical** – the service life of the radiators is designed for 12,000 operating hours.

## Technical data

Type FS 32	200 700	300 810	400 1000	500 1200	600 1500
Dimensions	242	342	442	542	642
installation length in mm	742	852	1042	1242	1542
Power in Watt	7 35	13 40	18 50	23 61	29 77
Flange diameter	50 mm				
Housing material	Stainless steel V2A				
Radiator	high efficiency UV-C radiator incl. splinter protection; 12,000 h				
Emissions range	253.7 nm				
Cooling	Convection, air flow				
Electrical connection	3   6   10 m				
Voltage	230 V +- 10% 50..60 Hz				
Identification	CE				