



Germ-free without use of chemicals

IRMCompact reflector module for evaporator disinfection

Germ-free evaporator fins without chemicals!

Condensate and biofilms in evaporators lead to a high bacterial load (e.g. listeria) which is passed on to the air and therefore to the product. This carry-over of germs is a risk for your production due to product failures and shortened minimum shelf lives.

The integration of UVC lamps in and on evaporator systems reduces the germ load to a high degree. Microorganisms on the surface of the system and in the air flowing past are reliably inactivated and the formation of biofilms in the evaporator is reliably prevented. The application considerably reduces the airborne microbial load and thus contributes to air hygiene.



IRMCOMPACT placed on evaporator.

Features

- Easy retrofitting in existing evaporators
- Fully waterproof (IP67)
- Tool-free lamp replacement
- Thermally insulated UVC lamp, integrated reflector

Applications

- Use in air coolers in the food industry and transport logistics
- Integration in cooling vehicles
- Integration in filling systems, packaging systems

TECHNICAL DATASHEET

Technical Datas – Standard UV-C systems

Allgemein

Description	IRM450	IRM850
Art. No.		
Protection type	IP 67	IP 67
Integration length	505mm	911mm
Power	21W	40W
Lamp life	PUV-D Lampe	PUV-D Lampe

* / ** / *** see special notes

IRMCOMPACT Module



IRMCOMPACT in different versions.

Safety instructions

WARNING	UV-radiation
	UV-radiation is dangerous for eyes and skin! Never look into direct or indirect radiation without proper personal protection and protect your skin!
WARNING	Breakage of glass
	Risk of cutting. Use cut-resistant gloves when handling glass parts, especially during commissioning and service work.
VORSICHT	Mercury
	UV-Lamps contain small amounts of mercury. In case of lamp breakage, use mercury absorption, use mercury binder to collect spills.

Operation on a power supply protected by a ground fault circuit interrupter (GFCI) only!

Special Instructions



This product is a component for integration into a over ordinated system by an expert system engineer. It is the responsibility of the user to check the suitability of the component for its individual application and the intended purpose, taking into account the usual care and test under real conditions of use.

The useful lamp lifetime depends on the way of lamp operation and ambient conditions. An unauthorized way of operation as well as the use of components (power supply, cable, plug, etc.), which are supplied by us to us or approved in writing, leads to the exclusion of the warranty!

- * UV-C intensity drop < 35%
- ** UV-C intensity drop < 15%
- *** Adjustment of system according to operating conditions required before delivery