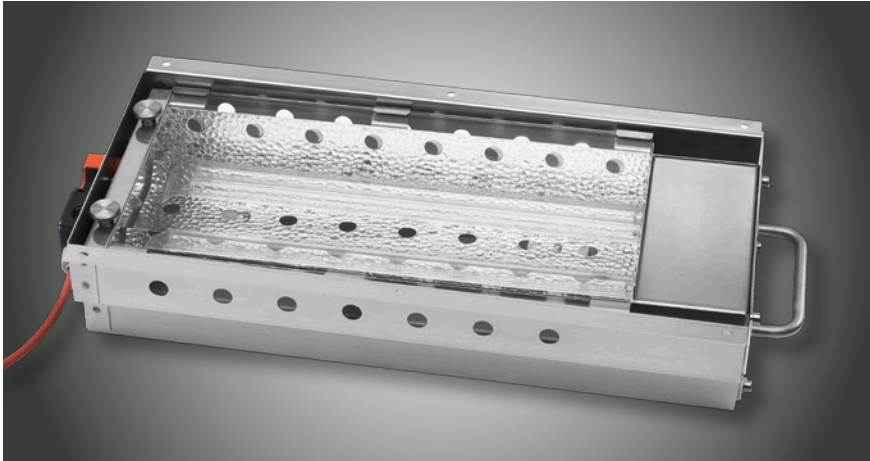


# BÄRO SurTech UV-C radiation cassette



The BÄRO SurTech UV-C radiation cassette has been specially developed for the food industry.

The contamination of equipment such as conveyor belts and cutting belts with micro-organisms during the work process is often unavoidable. When they come into contact with food these micro-organisms often reduce the shelf life of the products, or they can even represent a health risk.

Surface disinfection by means of intensive UV-C radiation greatly reduces the risk and actively contributes to ensuring good hygiene.

UV-C radiation on a wavelength of 253.7 nm is used to reduce the number of germs. This wavelength has a lethal effect on micro-organisms, such as bacteria, moulds and yeasts. The system can achieve a disinfection rate of up to 99.9 %, depending on the dose. Special low-pressure UV-C emitters

serve to generate the short-wave UV-C radiation, which provides a high level of radiant efficiency. This physical process achieves optimum disinfection without using chemicals.

The positioning of the UV-C radiation cassette in each case is determined depending on the local conditions. Thanks to the breakage detector, the cassettes can be safely operated on the production line. A mounting frame provides for simple installation of the radiation cassettes under the conveyor belts. However, the compact design also enables the cassettes to be fitted in packaging, filling and sealing machines. (The packaging material thus achieves a degree of purification that complies with the classification "packaging with a low microbial count".)

#### Delivery scope:

- UV-C radiation cassette
- Mounting frame
- Supply unit

Technical description	SurTech S UV-C radiation cassette	
Product no.	892260-1 Cover plate with breakage detector	892260-2 Cover plate without breakage detector
Cassette size (mm)	Length x Width x Height 530 x 150 x 111	
Window size (mm)	Length x Width 365 x 107	
Supply unit	Length x Width x Height 300 x 200 x 120	
Supply voltage	230 V ~ 50 Hz	
Power consumption	140 W	
UV-C emitters	2 x 60 Watt	
UV-C output	40 W	
UV-C emitter product no.	366003	
Emitter service life	4,000 h	
UV dose min	400 J/m <sup>2</sup>	
Safety class	I	
Protection class	IP 55	
Material	Stainless steel, 1,430	
Cassette mounting	Mounted in an insert frame	
Cassette weight	7.5 kg	

**BÄRO**  
Air hygiene

Wolfstall 54-56 · 42799 Leichlingen  
Phone + 49 2174 - 799-505  
Fax + 49 2174 - 799 799  
baero-technology@baero.com  
www.baero.com