



AirKlean S air disinfection unit

The AirKlean S has been designed to disinfect air in small enclosed spaces - cold stores, production facilities, public areas, in fact anywhere that requires infection and odour control.

The unit is ceiling mounted and has an internal fan which draws air through the unit. Here, the air passes over high intensity UV-C emitters which act on airborne microbes such as bacteria, spores, viruses, moulds, yeast and fungi.

The Benefits:

- Reduces spoilage of fresh produce and extends shelf life
- Disinfects 24 hours a day
- Is practically maintenance-free
- Dispenses with the need for chemical cleaners which can be expensive and harmful to health and the environment
- Has an excellent price/ benefit ratio
- Simple to retrofit

Product Specification	
Dimensions (HxWxL)	190 x 224 x 725 mm
Weight	7kg
Supply	230 v / 50Hz
Power consumption	240W
UV-C emitter	2 x 95W with optional Teflon coating
UV-C emitter life	9,000hrs
Material	Grade 304 stainless steel
Air flow	120m ³ /hr

Safety

The unit does not produce ozone, and has light guards to prevent UV-C light escaping. As a result, the AirKlean S can be used in places where people are present. As an additional safety feature, the UV-C emitters have a special Teflon sheath to protect against breakage.

Performance data – 91.5% germ kill

UV-C light at 254nm is known as 'germicidal' UV-C because of its lethal effect on micro-organisms. Independent testing has been carried out by Plasma Clean at Leeds University in the UK. Using a biological indicator designed specifically for the pharmaceutical, food and medical device industries, a reduction of 91.5% was shown using *Geobacillus stearothermophilus* spores when exposed to UV-C.