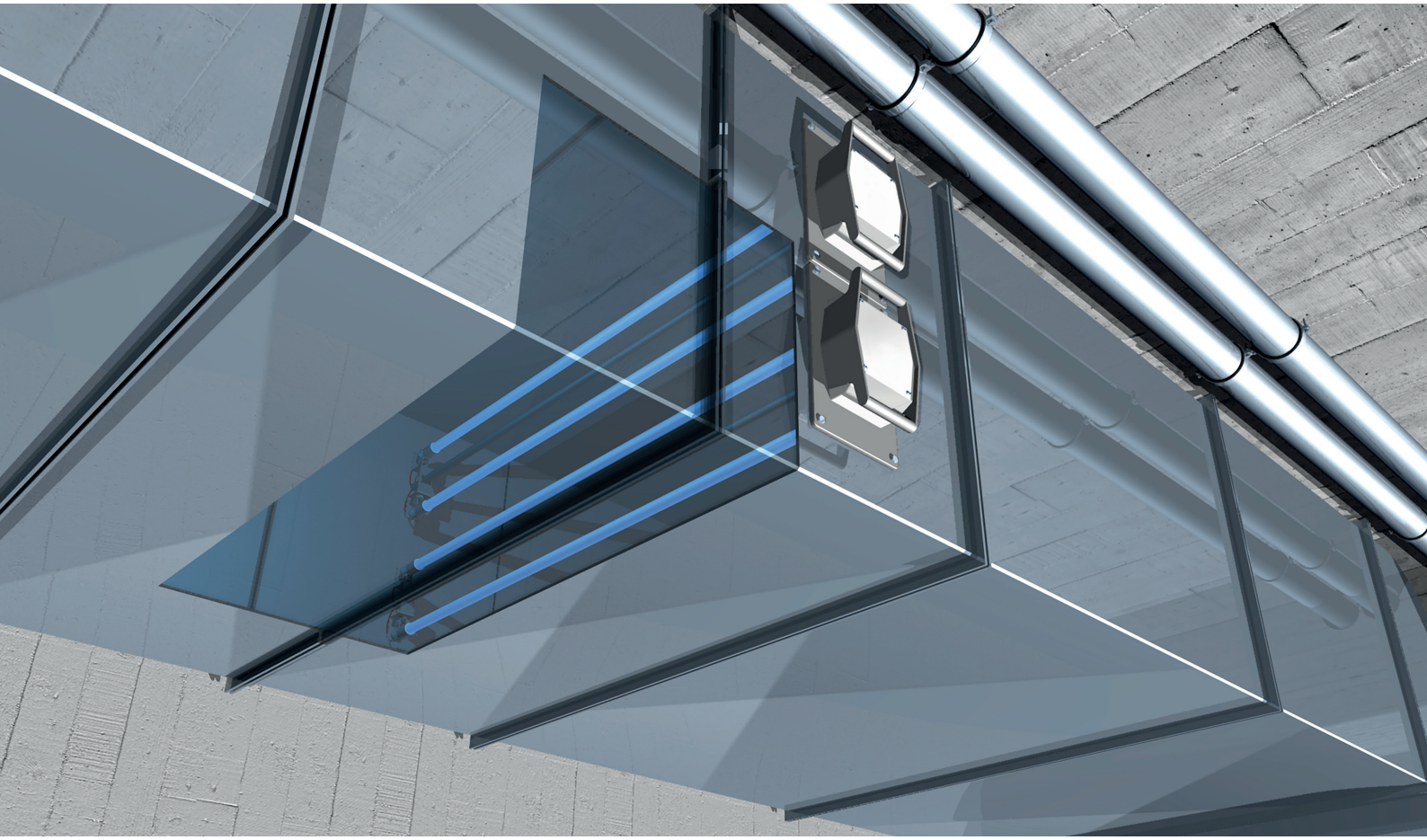
EXCELITAS TECHNOLOGIES®

NobleLight



UV Air Disinfection with Air D

Safe disinfection in building ventilation systems using UV light

Whether production hall, hotel, public facility, museum or airport – with our Air D we offer you the ideal solution for disinfecting air in large rooms with ventilation systems. Also for clean rooms and rooms with low temperatures. The Air D system disinfects the suppy air without chemicals, quickly and easily using ultraviolet light. You can install Air D modules in any room air conditioning system (AHU) or even rotary heat exchangers.

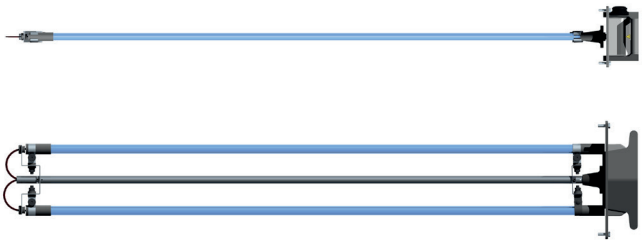
Ideal for food production areas

It is especially important for food processing areas to have clean air. This is because ambient air contains some mold spores and yeasts in addition to viruses and bacteria. This is quite normal, but becomes a challenge when processing food. The yeasts and molds multiply on the product which significantly shortens its shelf life. This would be a good sentence to make bold to better emphasize the production use case. Another positive effect is the reduction of infection risk among employees. Ventilation systems in some buildings operate in recirculation mode to save energy or increase air purity. However, this increases the risk of contamination and infection. In this case, appropriately equipped ventilation systems ensure the necessary air exchange. Air disinfection using UV-C light is the most effective and economical technology – and Air D is the best system for this technology.

One system – many advantages.

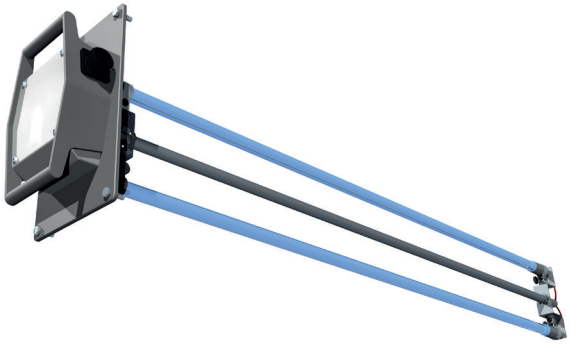
The Air D system disinfects the air by means of high-energy UV-C light and offers the ideal solution for air disinfection in ventilation systems. The viruses, bacteria, yeasts and molds are not only filtered out of the air, but actually destroyed.

The big advantage over other processes:
Pathogens and other micro-organisms cannot develop resistance to UV light!

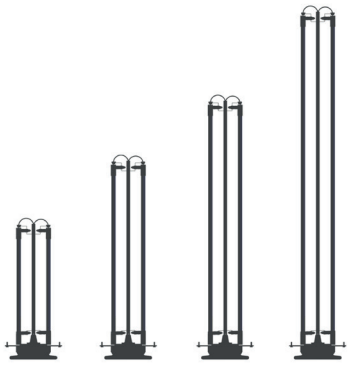


- Air D uses UV-C light with exactly 254 nm wavelength, which is perfect for destroying corona viruses and their mutations without ozone.
- Due to their slim shape, there is no pressure loss in the system, and the fan motors can run as usual.
- Air D modules also work in humid environments with up to 85% humidity.
- Suitable for air velocities of up to 6 m/s.
- Already in use in many ventilation systems worldwide.
- Air D modules are available in four different lengths for installation in all common ventilation ducts.

Easy installation and maintenance of the Air D system
The Air D can be installed in existing ventilation ducts without much effort and in a short time. If the ducts already have openings, it is only necessary to lay the connection cable and install the control module nearby. Maintenance is germ-free and non-hazardous. This is a significant advantage over HEPA filters.



Air D modules	Size 6	Size 9	Size 12	Size 16
Nominal power (W)	200	250	360	680
Length (mm)	640	940	1240	1640
Installation length (channel width) (mm)	570	870	1170	1570
Width × Height (mm)	165×255			
Supply voltage	230 V / 50 Hz / 400 V / 50 Hz			
Cable length (m)	5 / 10 / 15 / 20			
Weight (kg)	5	6	7	8,5



Air D Control	
Dimensions (mm)	**Type 1:** 800×600×300 **Type 2:** 800×800×300 **Type 3:** 1200×1200×300
Air temperature in the duct during operation	min. +15°C / max. +35°C
Relative humidity (non-condensing)	25% – 85%

Air D Control

Excelitas Noblelight
hng-uv@excelitas.com
www.noblelight.com