

Sanuvox BioWall

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IN-DUCT UV STERILISATION FOR PURIFYING AIR
AND DESTROYING AIRBORNE CONTAMINANTS



The BioWall uses UV light to sterilise air as it passes through your building's ventilation system. The BioWall can be configured to target specific odours, bacteria, and viruses that are impacting the air quality and health of your building.

Sanuvox is well-known for its unrivaled quality of UV systems, and that same attention to detail is carried across to the BioWall.

The Biowall is installed parallel to the airflow, maximising contact time and UV exposure, combining this with the unique reflector design makes Sanuvox BioWall stand out ahead of other UV air sterilisation systems.

WHY REFLECTION MATTERS

Just like the headlights of a car, BioWall uses reflectors to direct light to where it's most needed - maximising UV efficiency and intensity. UV can only destroy contaminants in the light path - so anything that falls in shadow isn't being sterilised. The unique

mounting of the BioWall's 5 UV bulbs and the aluminum reflectors mean the light will reach a full 360° range.

WHY PARALLEL MOUNTING?

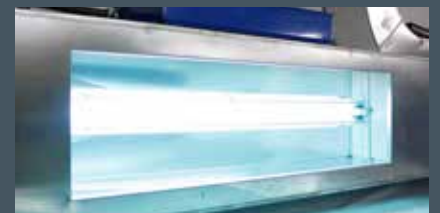
UV air sterilisation is somewhat different to surface sterilisation - contaminants are constantly moving around within the moving air-stream. In order for UV to effectively sterilise the air in your building, it has to be applied in a specific intensity and for a specific amount of time. The parallel mounting of the BioWall maximises the 'dwell time' between the contaminants in the air and the UV light.

To help you choose the correct UV air sterilisation system, Opira can model the UV exposure time and intensity against recommended kill-times for specific strains of bacteria, and viruses.



BIOWALL FEATURES

- Completes the work of filters by sterilising what goes through them
- No addition to pressure losses
- Ensures continuous air quality
- Reduces odours and chemical contaminants
- The control box is equipped with dry contacts for BMS
- Smart Touch screen for unit real time operational status
- Option for remote ballast box - track the status of the UV lamps without opening duct



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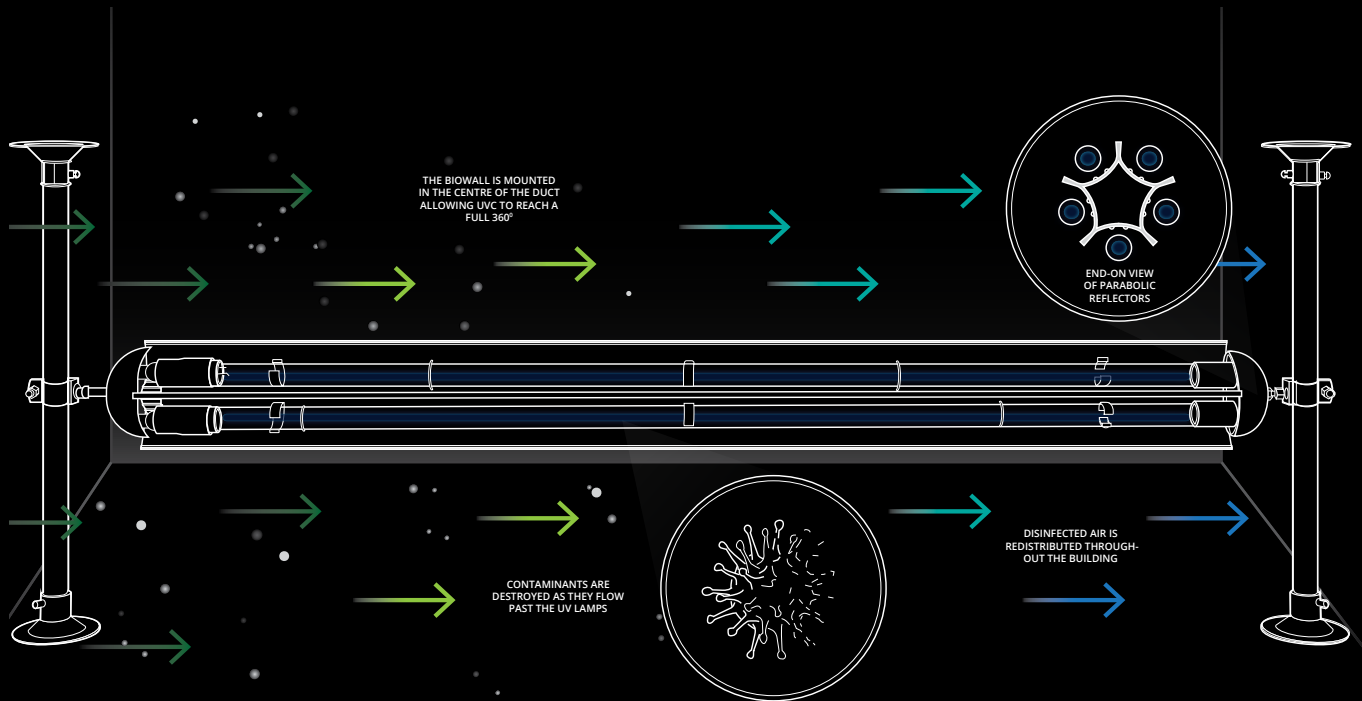
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TECHNICAL SPECIFICATIONS	BioWall Max 18	BioWall Max 24	BioWall Max 30	BioWall Max 40	BioWall Max 50	BioWall Max 60
Assembled lamp length The BioWall in-duct lamp assembly is installed parallel to airflow.	810mm	962mm	1114mm	1368mm	1622mm	1876mm
Power consumption	153 W	240 W	331 W	516.5 W	636 W	821.5 W
Ballast box & Smart Screen	The ballast box houses 5 multi-voltage ballast and electronic board with dry contacts for building automation integration. Smart touch screen is available for remote monitoring.					
Replacement UV lamps Opira is the sole distributor of Sanuvox product in Australia.	457mm (18 inch) 17,000 hours	610mm (24 inch) 17,000 hours	762mm (30 inch) 17,000 hours	1016mm (40 inch) 17,000 hours	1270mm (50 inch) 17,000 hours	1524mm (60 inch) 17,000 hours
UV lamp combinations All BioWall sizes are available with UVV or UVC combinations to suit your sterilisation needs.	<ul style="list-style-type: none"> G - UVC germicidal X - UVV Oxidising GX - Combination UVC and UVV germicidal and oxidising 					

SANUVOX

Ensure you aren't overspending and have installed a UV sterilisation system that is fit-for-purpose. Contact Opira to show you how we can model specific kill rates of bacteria, and viruses using UV sterilisation for surfaces and air to suit your specific needs.



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