



Transform your approach to filtration... outside air reductions, energy and peak load savings

Technology that delivers unprecedented air cleaning performance, elevating indoor air quality safety and confidence, with ability to lower HVAC capital and running cost through outside air reductions.

PlasmaShield® has proprietary bio-HEPA™ technology, a true bio filter dealing with airborne viruses, aerosolised droplets and VOCs, not just particles.

The Australian designed and manufactured, first-in-class product, enables engineering consultants to meet outside air ventilation compliance, with reduced outside air flow rates, yielding reduced plant requirements, peak load and energy required to cool and heat outside air by over 50%

Deliver confidence and peace of mind to all building occupants by integrating PlasmaShield within your HVAC design.

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bio-HEPA™ technology true performance delivered beyond particulate matter efficacy destroying VOC and virus size particles
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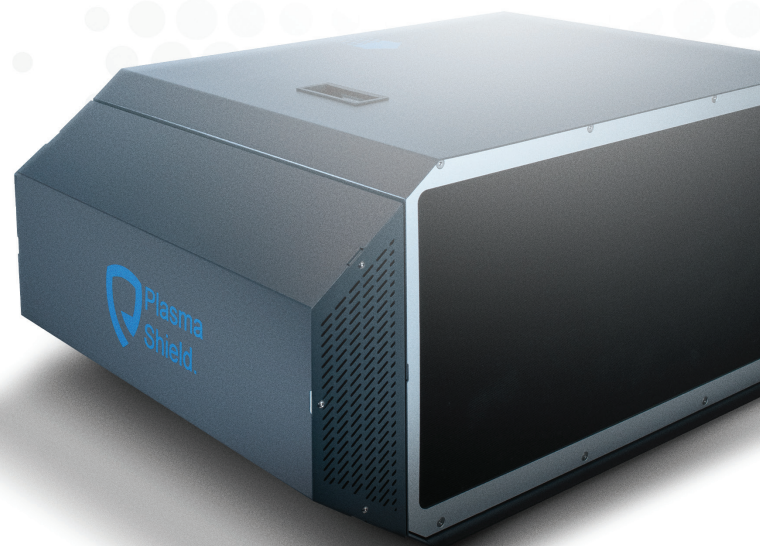
Plug-and-Play Platform Designed to retrofit or integrate into HVAC, infrastructure benefiting plant size or efficiency
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Scalable, High-Capacity modular design allows efficient integration into HVAC plenum, duct or plantroom for small to large-scale application
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Low Energy Consumption Lower pressure drop, lower fan power and energy
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Superb Air Distribution HVAC integrated design enables custom air distribution pattern to suit each space
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NCC & AS1668.2-2012 exceed standards, earn WELL, LEED, NABERS & Green Star rating with no impact on occupant comfort or HVAC performance¹

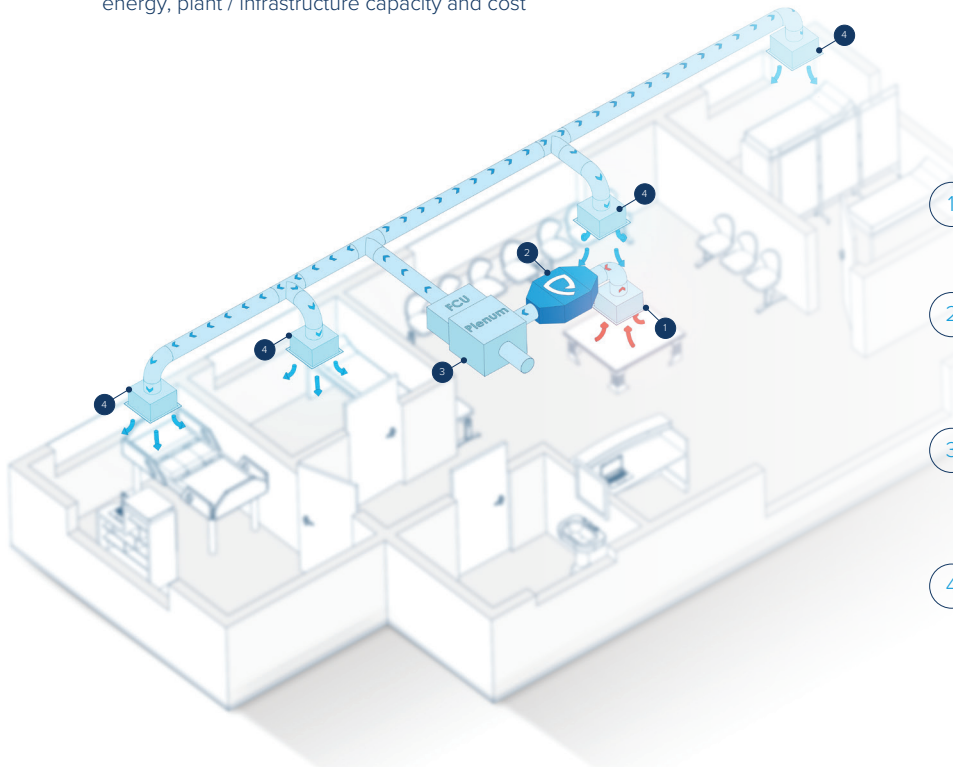


¹ Potential of PlasmaShield system in reducing energy and in contributing towards green buildings. Dr Timothy Lau & Dr Michael Evans, University of South Australia

HVAC design configurations

PlasmaShield® can provide the following benefits:

- Enhanced indoor air quality
- Reduced outdoor air intake and associated energy, plant / infrastructure capacity and cost



How does it work?

PlasmaShield® is integrated in the HVAC return air stream treating recirculated and outdoor air.

- 1 Air Intake**
The contaminated air is drawn through the common return air inlet.
- 2 Air Treatment**
Air Treatment: The contaminated air is filtered and decontaminated as it passes through the PlasmaShield® bio-HEPA filter.
- 3 Air Mixture**
Treated return air is mixed with outside air prior to entering the HVAC cooling/heating module in the HVAC Plenum box.
- 4 Air Delivery**
Clean air is delivered through the various HVAC duct diffusers.



Stand Alone Configuration

Cumulatively treating 100% of recirculated air.



Supply Line Configuration

Treats 100% of the supply air.

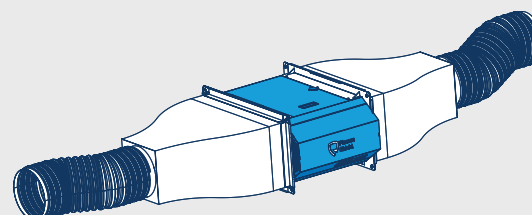
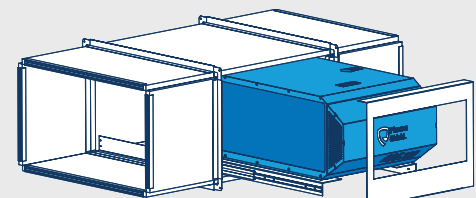
Technical Specifications

MMD600

Configuration	HVAC integrated (Return, Supply, Standalone)
Treatment Capacity	320 litres / second, 1150m ³ /hr (expandable)
Voltage and Frequency	100-240 VAC 50/60Hz
Power Consumption	180VA (max) / 100VA (nominal)
Noise Level	< 5 dB (HVAC integrated configuration)
Dimensions	630 x 320 x 480mm (excl. control box)
Inlet/Outlet Dimensions	630 x 320 mm
Weight	35kg
Operating Conditions	-10°C to 40°C 10% to 85% relative humidity non-condensing
User Interface	Mobile App on Android / iOS Platform Low-level BMS connectivity

Installation Configurations

Side accessory mount within any sheet metal duct.



Fixed installation with removable ducts for maintenance.