



TECHNICAL SPECIFICATIONS



BIO EFFICACY

Efficacy proven at a Bio-Safety Level 3 Laboratory using live aerosolised viruses



BUILD QUALITY

Highest quality build and installation via partnerships with leading engineers



ELECTRICAL SAFETY

Fully tested and certified by Nemko, with SISTEMA safety sign-off



UVC SAFETY

Testing proves Risk Group 2 within duct-work while external to unit is exempt

Biological Efficacy

In the Innovative Bioanalysis Bio-Safety Level 3 Laboratory the PRS unit demonstrated measurable reduction, better than 99.99% effectiveness, against SARS-CoV-2, Influenza A, and Measles.

The test was conducted using aerosolised viruses introduced into air traveling at an average speed of at least 6 m/s and measurements were taken following a single pass.

Construction & Installation Safety

DW144 standard metal ductwork manufactured by leading, certified, engineering companies.

Installation is undertaken by qualified HVAC engineering companies, specifically trained by PRS. Commissioning and sign-off is completed by technicians unrelated to the installing company.

Electrical Safety

Electrical system is designed and certified to EN-60204-1, 2014/30/EU, EN 13849-1, ISO 14120 with SISTEMA product safety sign off, and is CE certified.

Nemko testing and certification confirmed compliance to the following specifications:

EN 60335-2-65:2003 +A1:2008 +A11:2012

EN 60335 1:2012 +A11:2014 +A13:2017 +A1:2019 +A14:2019 +A2:2019

EN 62233: 2008

Ballasts and Lamps are certified IEC 62471, IEC 61347-2-3, NL 41271, EN 62471-2008, NL 731120, CE, UL Listed 704G, RoHS compliant.

UVC Safety

Tested and certified to EN 62471-2008 at LUX TSI laboratory.

Personnel Safety: External to unit exempt. Testing proves that there is no risk to personnel working adjacent to ductwork.

Within Ducting: Proprietary Containment Device restricts radiation to Risk Group 2. No detrimental effect to existing building infrastructure.



Patent Applications

Patent Cooperation Treaty: PCT/GB2021/0503091

UK Patent Office: 2018738.1, 2118916.2 & 2208032.9