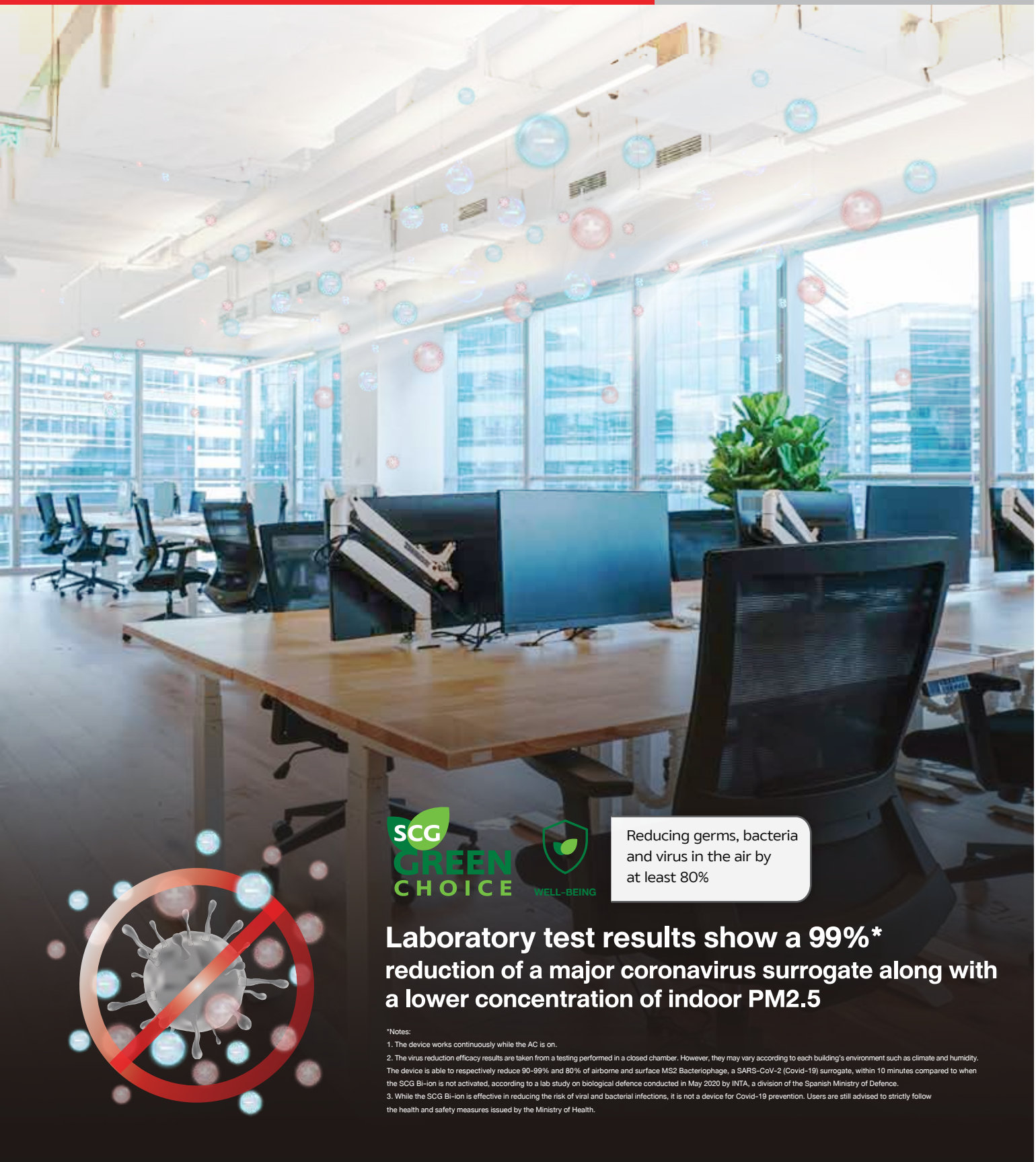
SCG Bi-ion



SCG GREEN CHOICE

WELL-BEING

Reducing germs, bacteria and virus in the air by at least 80%

Laboratory test results show a 99%*
reduction of a major coronavirus surrogate along with a lower concentration of indoor PM2.5

*Notes:

1. The device works continuously while the AC is on.
2. The virus reduction efficacy results are taken from a testing performed in a closed chamber. However, they may vary according to each building's environment such as climate and humidity. The device is able to respectively reduce 90-99% and 80% of airborne and surface MS2 Bacteriophage, a SARS-CoV-2 (Covid-19) surrogate, within 10 minutes compared to when the SCG Bi-ion is not activated, according to a lab study on biological defence conducted in May 2020 by INTA, a division of the Spanish Ministry of Defence.
3. While the SCG Bi-ion is effective in reducing the risk of viral and bacterial infections, it is not a device for Covid-19 prevention. Users are still advised to strictly follow the health and safety measures issued by the Ministry of Health.

This well-being technology by SCG renders indoor air cleaner as the SCG Bi-ion releases positive and negative oxygen ions that are non-harmful to occupants and animals. The device also operates nonstop while the AC is on to reduce airborne pollutants.

Key Features of the SCG Bi-ion

Effectively neutralizes up to 99%* of virus and bacteria cells

*depending on each building's indoor air quality factors such as climate and humidity

Reduces fine particles such as PM 2.5 that harm the respiratory system

24Hrs.

Works continuously to neutralize indoor air while the AC is operating; produces no health side effects;
contains no Ozone (O_3), which harms the respiratory system (the device has already been certified under a new environmental standard — purifying the air without harmful byproducts) (UL 2998 and UL 867)

Is compatible with all types of HVAC;
lowers both maintenance and operating costs compared to other systems;
yields a superior ROI in the long run

Plasma Air 600 Series
Maximum Airflow of 2,400 CFM

- Recommended for small buildings or indoor spaces not larger than 50 m^2 such as school, hotel, office conference room, dental clinic, small shop, and mass transportation
- Compatible with split type ACs such as cassette, ceiling, and wall, or with small room air diffusers

Plasma Air 7000 Series
Maximum Airflow of 6,000 CFM

- Recommended for mid-size buildings such as hospital, seminar room/center, restaurant, and medium to large shop
- To be mounted to duct type HVACs

Plasma Bar Series
Maximum Airflow of 30,000 CFM

- Recommended for large commercial buildings such as mall, hospital, exhibition center, and office complex
- To be mounted to air handling units (AHU) or fan coils

Testing Results of SCG Bi-ion with Pathogens

Type	Pathogen Name	Removal Rate*	Testing Organization	Year Tested
Virus	MS2 Bacteriophage** (a surrogate for SARS-CoV-2)	99%	Spain	2020
	Influenza H1N1	86.6%	Kitasato Research Center, Japan	2011
Bacteria	Eschericha Coli	99.43%	EMSL Analytical, USA Istanbul University, Turkey	2011
	Staphylococcus Aureus	91.5%	EMSL Analytical, USA	2011
	MRSA	99.47%	EMSL Analytical, USA	2011
	Pseudomonas Aeruginosa	99.9%	Istanbul University, Turkey	2011
Mold / Fungus / Spore	Cladosporium Cladosporioides	97.69%	EMSL Analytical, USA	2011
	Dichobotrys Abundans	90%	Professor Joseph F. Boatman, USA	2006
	Penicillium	95%	Professor Joseph F. Boatman, USA	2006
	Aspergillus Niger	97.14%	EMSL Analytical, USA	2011
	Bacillus Subtilis var Niger	89.3%	Istanbul University, Turkey	2011

* The table above shows the efficacy results of the bipolar ionization technology incorporated in the SCG Bi-ion, following a testing done in a closed chamber with biosafety level requirements.

** Testing carried out by Tayra and confirmed by the Spanish Ministry of Defense Biological Laboratory on Bipolar Ionization technology showed a reduction of MS2 Bacteriophage, a surrogate of SARS-CoV-2 (COVID-19), in indoor environments.

Price starts at **7,900** THB/Unit****
1 Year Warranty
**** Value Added Tax and installation fee not included

SCG

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