

# CLEAN, PURE AND RE-ENERGIZED AIR

This facility is **committed** to maintaining **proper hygiene** for **employees and customers**.

The air in this space is being treated using **JADE**, a **medical-grade air purifier**. Using a **6-stage** purification process the JADE is proven to **remove** almost **100%** of Air Pollutants, Viruses, Bacteria & Fungus that are present in indoor air.

## THE STAGES OF AIR PURIFICATION

CAPTURE

### PRE-FILTER STAGE

The pre-filter stage catches the largest particles as room air is drawn through the intake chamber.

### PROPRIETARY HEPA-Rx FILTER

The HEPA-Rx filter captures almost 100% of the ultrafine particulates down to 0.0025 microns in size.

### ACTIVATED CARBON FILTER

The activated carbon filter absorbs VOCs (Volatile Organic Compounds) - noxious odours, chemicals and gases.

DESTRUCTION

### GERMICIDAL UV-C+

The high intensity Germicidal UV-C+ ruptures the DNA of viruses and bacteria, effectively destroying them.

### TiO2 CATALYST

The Titanium Dioxide Catalyst adds more energy to the intensity of the Germicidal UV-C+ light. Electrons are then released at the catalyst surface. These electrons interact with water molecules and create Hydroxyl Radicals. This stage is sometimes referred to as photocatalytic oxidation.

### HYDROXYL RADICALS

Hydroxyl Radicals are released into the air and further attack pollutant molecules, breaking apart their chemical bonds rendering them harmless. It's like 'hand sanitizer for the air'.

RE-ENERGIZE

### REVITALIZING NEGATIVE ION CHAMBER

Before the pure, clean air is circulated back into the room, the air is revitalized with negative ions.

Studies have shown that Negative ions increase the flow of oxygen to the brain: resulting in higher alertness, decreased drowsiness and more mental energy.

