

oktoair[™]

Artificial Intelligence for Wellness



1200 SC

SELF CONTAINED DFS
AIR CLEANING SYSTEM

1200 SC Self Contained DFS Air Cleaning System

The 1200 SC DFS Technology (Disinfecting Filtration System) surpasses all other types of air filtration. This revolutionary technology traps microorganisms such as bacteria, mould and viruses, reduces bioburden and inhibits microorganism's growth through microbiostatic condition, resulting in the most powerful indoor air purification in the world.



SPECIFICATIONS

- 12 gauge aluminium construction
- Pre-drilled standing flanges to accommodate attachment to other system components
- Dual access door, swing-open type for filter service from either side
- High-memory sponge neoprene door gaskets to ensure door to filter seal
- Aluminium filter track design for 50mm standard pre-filter and a track for High Energy Grid Frame
- A polypropylene fin seal on the main filter track to eliminate filter air bypass

UNIT DIMENSIONS

Height: 23"/584mm

Width: 28"/711mm

Depth: 32"/813mm

WEIGHT

190lbs/86kg

*weight includes the electrical box

FEATURES

- **High Air Flow Capacity** – delivers high flow rate with low energy consumption
- **Modular Design** – allows for stacking of modules to meet any air flow capacity. Single Module capacity is 1200 CFM / 560 l/s – Nominal flow.
- **99.99% Filtration Efficiency** – down to a size of 0.007 microns
- **Self-Contained Design** – results in no pressure drop when installed on the Air handling unit
- **Independent Air flow/Distribution Control** – to facilitate Installation anywhere in the space
- **Patented V-Bank Filter** – increases surface area and provides higher dust loading capacity
- **Three times longer filter span** – compared to conventional HEPA filtration – lower maintenance cost
- **Housing Design** – provides a 100 % seal around the filter
- **Ease of Maintenance** – filter access from either side of the unit.
- **Electrical Panel** – electronic components are contained in a separate electrical box (not shown)
- **Variable Frequency Drive (VFD)** – modulation of airflow and connectivity to Building Management Systems (BMS) for monitoring
- **Magnehelic Pressure Gauge** – monitoring of pressure differential across the filters
- **Optional**
Auto-Flow Monitoring
V-bank VOC Filter (70 lbs – Adsorbent Blend) Hydrated Photo Catalytic Oxidation (HPCO) Odour-TVOC Cartridge



1200 SC / Power Requirements Per System

Model	Power			FLA	Power Usage
	Voltage	Hertz	Phase	Amps	Watts
1200SC-120-1	120	50/60	1	5.5/5	650/590
1200SC-220-1	220	50/60	1	2.7/2.2	585/495
1200SC-220-3	208-240	50/60	3	1.7/1.5	400/375
1200SC-440-3	380-460	50/60	3	1.1/0.9	485/435