

Defend 1050

The WellAir Defend 1050 has been cleared by the FDA as a 510(k) Class II Medical Device to filter out and inactivate airborne virus and bacteria within large rooms and indoor spaces. It inactivates aerosolized viruses, bacteria, and fungi and purifies the air of pollen, particulate matter (PM), volatile organic compounds (VOCs), and odors. This free-standing, portable recirculating air cleaning system is designed for continuous 24/7 airborne infection control. The device uses six NanoStrike coils with a dual-speed fan. The Defend 1050 is UL 2998 validated for zero ozone emissions.



Protected by

NanoStrike™
technology



FDA Cleared
510(k) Class II Medical Device

MODEL - DEFEND 1050

Floor standing, 2-wheel base + handle Device supplied with 6.6 ft power cord

AREA COVERAGE

200 – 1,000 ft² (4 air changes per hour)

400 – 2,000 ft² (2 air changes per hour)

VOLUME TREATMENT

1,600 – 8,000 ft³ (4 air changes per hour)

3,200 – 16,000 ft³ (2 air changes per hour)

FILTERS

Stage 1: M5 30/30 filter

Stage 2: HEPA H13 filter, MAG grade

Stage 3: G4 carbon pleated filter

ELECTRICAL RATING

SinglePhase, 100-120VAC, 60 HZ

Fuse rated at 120 VAC, 6.3 Amps, Listed

POWER CONSUMPTION

Maximum 396W

CONSTRUCTION + COLOR

Precision-cut fabricated metal casing in a white anti-bacterial powder coat finish

DIMENSIONS + WEIGHT

36.2" (h) × 19.3" (w) × 23.2" (d)
118.6 lbs

ELECTRICAL CONNECTION

Switched and fused with a grounded, molded and detachable power cord

Defend 1050

FAN AIR FLOW VOLUME

Speed 1 = 107 CFM
Speed 2 = 187 CFM
Speed 3 = 267 CFM
Speed 4 = 400 CFM
Speed 5 = 535 CFM

NOISE LEVEL

Speed 1 = 48 dBA
Speed 2 = 56 dBA
Speed 3 = 62 dBA
Speed 4 = 70 dBA
Speed 5 = 75 dBA

OPERATING CONDITIONS

50 – 95°F (10 – 35 °C),
10 – 75% Relative Humidity

SHIPPING / STORAGE CONDITIONS

41 – 122 °F (5 – 50 °C),
Maximum 95% Relative
Humidity

QUALITY & SAFETY

Manufactured under ISO 9001,
ISO 14001 & OHSAS 18001

UL867 - Safety for Electrostatic
Air Cleaners

UL 2998 - Environmental Claim
Validation Procedure for Zero
Ozone Emissions

cUL

IEC 60601-1

IEC 60601-1-2

