

# 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 ft<sup>2</sup> (4 air changes per hour)  
400 – 2,000 ft<sup>2</sup> (2 air changes per hour)

## VOLUME TREATMENT

1,600 – 8,000 ft<sup>3</sup> (4 air changes per hour)  
3,200 – 16,000 ft<sup>3</sup> (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

Single Phase, 100-120 VAC, 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

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## 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

