

## PERFORMANCE SPECIFICATIONS

Maximum Output Power: 200 W

Airflow Capacity: 500 L/min

Filtration Efficiency: 99.99%  $\geq$  0.3  $\mu$ m

Noise Level: 45-65 dB

Adjustable Flow Rate: 1-100%

Adjustable Delay Time: 0-99 seconds

Continuous Operation Mode

## INTELLIGENT CONTROL SYSTEM

The Quantum SD-2000 is designed for simple, precise operation during procedures.

### Features include:

- Adjustable suction power.
- Automatic and manual operating modes.
- Digital LED display.
- Filter life monitoring system.
- Footswitch activation.
- Remote activation compatibility with surgical equipment.

**A CRITICAL SAFETY SOLUTION FOR MODERN FACILITIES**



## FOUR-STAGE ADVANCED FILTRATION SYSTEM

The SD-2000 integrates a powerful four-stage filtration technology designed for maximum protection.

### Stage 1 - Prefilter

Captures larger particles and surgical debris while protecting internal components.

### Stage 2 - HEPA Filter

Removes 99.99% of airborne particles  $\geq$  0.3  $\mu$ m, including smoke plume particles and bacteria.

### Stage 3 - Activated Carbon Filter

Medical-grade carbon absorbs toxic gases and unpleasant odors produced during tissue cauterization.

### Stage 4 - Multi-Layer Microbial Filter

Final filtration barrier capturing fine particles and helping inhibit airborne contamination.



## QUANTUM SD-2000 SMOKE EVACUATOR

Energy-based devices such as lasers, electro-surgical generators, and ultrasonic instruments generate surgical smoke that may contain:

*Toxic gases*

*Aerosolized biological particles*

*Microorganisms*

*Odors and chemical compounds*

The Quantum SD-2000 rapidly captures smoke at the source and purifies the air through a highly efficient multi-stage filtration system, helping maintain a safe and compliant clinical environment.



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