

FAQs

What are the dimensions of the SurgiCube?

SurgiCube is available in four different sizes.

SC100: Outer width: 180 cm | Inner width: 100 cm | Air cleaning capacity/hr: 597 m³/hr

SC180: Outer width: 260-340 cm | Inner width: 180 cm | Air cleaning capacity/hr: 1078 m³/hr

SC200: Outer width: 280-360 cm | Inner width: 200 cm | Air cleaning capacity/hr: 1198 m³/hr

SC220: Outer width: 300-380 cm | Inner width: 220 cm | Air cleaning capacity/hr: 1318 m³/hr

What is the minimum room size for a SurgiCube?

The preferred minimum room size for the SurgiCube is approximately 20 m². Ceiling height should be a minimum of 2.5 m (2.7 m preferred).

What are the SurgiCube's cleanroom standards?

SurgiCube works to ISO 14644-5 - cleanroom operations.

Ultra-clean area ISO 5 up to 80 cm from HEPA filter surface. Air flow velocity 0.45 m/s.

HEPA Filter H14 Efficiency of 99.995% of particle size 0.3µm (MPPS – EN1822)

2 x Pre-filters Class G3: <5% (EN 779)

Class F7: 63% (EN 779)

ISO delineates three cleanroom classification standards. As built, at-rest and operational.

What is the height of the SurgiCube?

SurgiCube is 2.4 m high.

Does SurgiCube have a CE mark?

SurgiCube bears the CE mark and conforms with the essential requirements (Annex 1) of the Medical Device Directive 93/42/EEC.

What is the air cleaning capacity of the SurgiCube?

This is dependent on the model you require.

SC100 - air cleaning capacity/hr: 597 m³/hr

SC180 - air cleaning capacity/hr: 1078 m³/hr

SC200 - air cleaning capacity/hr: 1198 m³/hr

SC220 - air cleaning capacity/hr: 1318 m³/hr

Do you need drapes with SurgiCube?

Yes.

The SurgiCube disposable sterile drape is a physical barrier between the surrounding airflow in the operating room and the HEPA-filtered clean air flow coming out of the SurgiCube.

Is there a specific type of room required for SurgiCube?

SurgiCube should be operated in a clean, dust-free environment.

How often should you replace Surgicube's HEPA filter?

The HEPA filter should be checked every 12-months by a third party validating company. Every two years, the filter needs to be exchanged by a trained SurgiCube technician.

How do you monitor Surgicube air quality?

A 4-in-1 particle counter provides fast, easy and accurate readings for particle counter, GAS (HCHO, CO) detectors (model DT-9881 only), air temperature and relative humidity and most surface temperature measurements.

Is Surgicube suitable for general anaesthetic (GA) procedures?

No. SurgiCube is only recommended for local anaesthetic procedures.