

SurgiCube® It's all in the Cube

The ergonomically designed operation unit SurgiCube® ensures that both the surgical site and instruments near the surgical site remain ultra-clean during the entire surgical procedure.

The **SurgiCube®** is a medical device that provides a localized, optimally filtered, ultra-clean surgical environment to carry out minimally invasive surgeries. It supplies HEPA-filtered air around the operating surface using uni-directional airflow technique.

All possible sources of contamination are sidelined. The patient is physically positioned outside the surgical area; just the operating area is in the ultra-clean airflow. The surgical team can move around the operating surface without interfering with the airflow.

SurgiCube® saves valuable space since the operation unit can be placed in an office environment outside the conventional operating room. The uni-directional airflow together with correct surgical draping creates a compact and manageable ultra-clean surgical area that will eliminate airborne contamination risks for patients. **SurgiCube®** is equipped with LED lights above the operation area and the place for instrument tables.



- ✓ **SurgiCube®** has a modular design, is location independent, can be easily installed to suit most premises and is suitable for use together with any standard ventilation or climatization system.
- ✓ **SurgiCube®** makes no discomfort for the patient, and since only the surgical site of the patient is located in the ultra-clean airflow any contamination source of the patient itself is eliminated.
- ✓ **SurgiCube®** creates a HEPA-filtered ultra-clean protected area which guarantees <5 cfu/m³ air inside the clean area.

Specification			
Physical data			
Model	SC180	SC200	SC220
Outer width	260-340 cm	280-360 cm	300-380 cm
Inner width	180 cm	200 cm	220 cm
Ultra-clean area	ISO-5 up to 100 cm from HEPA filter surface	ISO-5 up to 100 cm from HEPA filter surface	ISO-5 up to 100 cm from HEPA filter surface
Electrical data			
Power Supply	230 VAC, 50 Hz	230 VAC, 50 Hz	230 VAC, 50 Hz
Power consumption	160-350 W	160-350 W	160-350 W
Electrical safety	IEC 60601-1	IEC 60601-1	IEC 60601-1
EMC	IEC 60601-1-2	IEC 60601-1-2	IEC 60601-1-2
Airflow data			
Model	SC180	SC200	SC220
Volume of air/hr	1078 m³/hr	1198 m³/hr	1318 m³/hr
Air flow velocity	0.45 m/s	0.45 m/s	0.45 m/s
Filters			
HEPA Filter	H14 / ISO 45 H EN1822;2019 & ISO 29463	H14 / ISO 45 H EN1822;2019 & ISO 29463	H14 / ISO 45 H EN1822;2019 & ISO 29463
2 x Pre-filters	G4 = ISO Coarse 65% ISO 16890 F7 = ISO ePM1 55% ISO 16890	G4 = ISO Coarse 65% ISO 16890 F7 = ISO ePM1 55% ISO 16890	G4 = ISO Coarse 65% ISO 16890 F7 = ISO ePM1 55% ISO 16890
Sterile drapes			
Model	SCDR 180	SCDR 200	SCDR 220
Size	180cm	200cm	220cm
Regulation			
CE mark	SurgiCube® is a Class I device according to MDR (EU) 2017/45		



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