

Operio® Ceiling

Permanent Protection. Seamless Surgical Workflow.

Operio® Ceiling delivers localized ISO Class 5 protection exactly where it matters most, helping protect the surgical wound, sterile instruments, or both. Permanently integrated into the operating room, it combines uninterrupted workflow with targeted clean-air protection, without occupying valuable floor space.

Discover the Future of Surgical Efficiency and infection control at: toulmeditech.com

400_{m³/hr}

Recirculated airflow volume

99,995%

Filtration efficiency

<5_{CFU/m³}

Validated sterile zone



Operio® Ceiling

Permanent Protection. Smarter Surgical Workflow.

Operio Ceiling brings validated localized clean-air protection into existing operating and treatment rooms without changing clinical workflows. Unlike conventional ceiling ventilation, the adjustable pendant arm allows protection to be directed precisely over the surgical field, sterile instruments or both.

By freeing floor space while maintaining targeted protection, Operio Ceiling supports efficient workflows across multiple surgical specialties and procedure rooms.

Barcode-verified sterile drapes provide traceability while creating an additional barrier against airborne contamination.

Precision sterile airflow

Operio Ceiling is a ceiling-mounted ultraclean airflow unit designed for permanent integration into high-use ORs.



Technical specifications

Physical data

Overall size	L 60 x W 25 x H 90 cm L 24 x W 10 x H 35 inch
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Weight	15 kg / 33 lb
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Power data

Power supply	230/115 VAC, 50/60 Hz
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Power consumption	160 VA (23 VA in standby-mode)
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Fuses	230 VAC - 3.5 A slow, 5 x 20 mm 115 VAC - 5 A slow, 5 x 20 mm
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Airflow data

Airflow speed	0.4 - 0.5 m/s
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Air cleaning capacity/hr	400 m ³ /hr
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Clean air zone length	100 cm / 40 inch
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Cleanliness	5 cfu/m ³ air inside the sterile air zone
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HEPA Filter

H14 Filter, High Efficiency Particles Filter	Filters 99.995% particles >0.3 µm
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Regulatory Compliance

EU	CE mark Class I according to Medical Device Regulation (EU) 2017/745
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Toul Meditech's Quality Management System is conforming to the requirements of ISO 13485:2016.