

Operio – Ceiling hanged sterile air zone unit

The innovative sterile air zone unit **Operio Ceiling** ensures that the surgical site remain sterile during entire surgical procedure.

Operio Ceiling is a ceiling hanged flexible sterile air zone unit, intended for use in the operating zone, which produces a directed, non-turbulent ultra-clean air flow over the surgical site.

With the help of the extendable pendant, the unit can easily be manually adjusted to an optimal position where the sterile air flow is required. It is just as easy to move it out of the way when not in use, pushing it towards the ceiling.

Operio Ceiling has a unique sterile protective barrier in order for the unit to be positioned close to the OR table and patient. The unit circulates the ambient air through a HEPA filter to clean the air from bacteria and particles which prevents dangerous, airborne bacteria-carrying particles from coming into contact with surgical instruments and wound.

The sterile air zone is clearly pointed out with the help of a smart visual indicator.



"Operio necesse est"

- ✓ **Operio Ceiling** offers a sterile air zone in the operation environment without occupying valuable floor space or interfering with existing equipment.
- ✓ **Operio Ceiling** is just as easy to operate and position as an ordinary operating lamp.
- ✓ **Operio Ceiling** guarantees <math><5\text{ cfu/m}^3</math> air inside the sterile air zone.



Toul Meditech's Quality Management System is conforming to the requirements of ISO 13485:2012.

Operio Ceiling complies with the Medical Device Directive 93/42/EEC.



Specification

Physical Data:	
Air Zone Unit:	Size: L 60 x W 25 x H 90 cm Weight: 20 kg
Pendant Type OndaSpace for weight up <40kg	Travel 1.8 m Weight: 35 kg
Power Data:	
Power Supply:	230 VAC, 50 Hz for Europe
Power consumption:	160 W
Air Flow Data:	
Velocity:	0.4 – 0.5 m/s, 400 m3/h
HEPA filter:	
H14 Filter, High Efficiency Particles Filter	Filters 99.995% particles > 0.3 µm

"Everything which is to come into contact with the wound has become sterile, except the air which is contact with everything"

(Whyte 1973)



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