



Operio – Clean Air Zone Unit

*The innovative **Operio Mobile** unit ensures that both the surgical site and instruments near the surgical site are protected from airborne contaminants during the entire surgical procedure.*

Operio Mobile is a clean air zone unit, with an integrated detachable instrument tray, to be used in the operating zone, which produces a directed, non-turbulent ultra-clean air flow to the surgical site during ophthalmic, orthopedic and neuro surgery and to the sterile instruments used during surgery.

The ultraclean airflow is easily aimed over the surgical site or any other area where there is a need to keep the sterile integrity intact.

Operio Mobile has a unique protective barrier in order for the unit to be placed close to the OR table. The unit circulates the ambient air through a HEPA filtration system, cleaning the air, which prevents dangerous, airborne bacteria-carrying particles from coming into contact with the surgical site, as well as surgical instruments near the surgical site.

The unit is easy to use and transport between operation rooms and/or preparation rooms.



- ✓ **Operio Mobile** is easy to set up requiring no changes to the room.
- ✓ **Operio Mobile** can be used instead of an instrument table near the surgical site next to the patient, saving valuable space.
- ✓ **Operio Mobile** guarantees <5 cfu/m³ air inside the clean air zone.



Toul Meditech's Quality Management System has been assessed and registered by Intertek Certification AB as conforming to the requirements of ISO 13485:2016.



Operio complies to North American and Canadian safety standards according to IEC 61010-1:2010 Safety requirements for electrical equipment for measurement, control, and laboratory use.

Specification

Physical Data:

Air zone unit:	Overall size: 24”L x 18”W x 47-67”H Weight: 92 lbs
Tray:	Tray size: 18” x 24” (optional 16” x 18”) Load limitation: Tray may be loaded with max 11 lbs Min-max height adjustment: 31” – 47”

Power Data:

Power supply:	120 VAC, 60 Hz
Power consumption:	290 VA (23 VA in standby-mode)

Airflow Data:

Air flow velocity:	0.4 – 0.5 m/s
Air cleaning capacity/hr:	400 m ³ /hr
Length of clean air:	47 inch

HEPA Filter:

H14 Filter, High Efficiency Particles Filter	Filters 99.995% particles >0.3 µm
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Clinical Data:

Efficacy:	Studies have shown a reduction from 48.2 to 0.4 CFU/m ³ (Colony Forming Units) in a clinical environment
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Regulatory compliance:

US	FDA 510(k) cleared
Europe	CE mark Class I according to Medical Device Directive 93/42/EEC

"Everything which is to come into contact with the wound has been made sterile, except the air, which is in contact with everything"
Whyte 1973

Manufactured by:



Tunbytorpsgratan 31
SE 721 37 Västerås
Sweden
Ph: + 46 21 13 50 00
www.toulmeditech.com
info@toulmeditech.com

Distributed in the USA exclusively through:



1225 Carnegie St Suite 104
Rolling Meadows
IL 60008 USA
Ph: 1 800 448 0131
www.aseptic-air.com
info@aseptic-air.com