



OPRAGON IN-A-BOX

A unique all-in-one ventilation system  
for safe surgery



Reduces risk of infections with the patented TcAF technology

—  
Protecting patient and staff

—  
Easy installation

—  
Market your clinic as the safest one!



## Enable safe surgery in any room

Opragon In-a-Box is a unique healthcare ventilation system for small surgery rooms. The ceiling mounted system creates an ultra-clean zone for infection sensitive surgery.

The product is intended for horizontal permanent mounting in the ceiling of small to medium size operating rooms for advanced surgery such as oral, eye and plastic operations. It is also suitable for preparation rooms and labs.

### Maintains ultra-clean conditions around the critical operating area

- Less airborne bacteria mean less infections. Studies<sup>1</sup> show that less bacteria in the OR air reduces SSI occurrence
- Protects patient, staff and instruments inside a cone of slowly falling HEPA-filtered air released above surgical table.
- Robust and quiet airflow powered by gravity (patent protected)

### Easy to install and operate anywhere

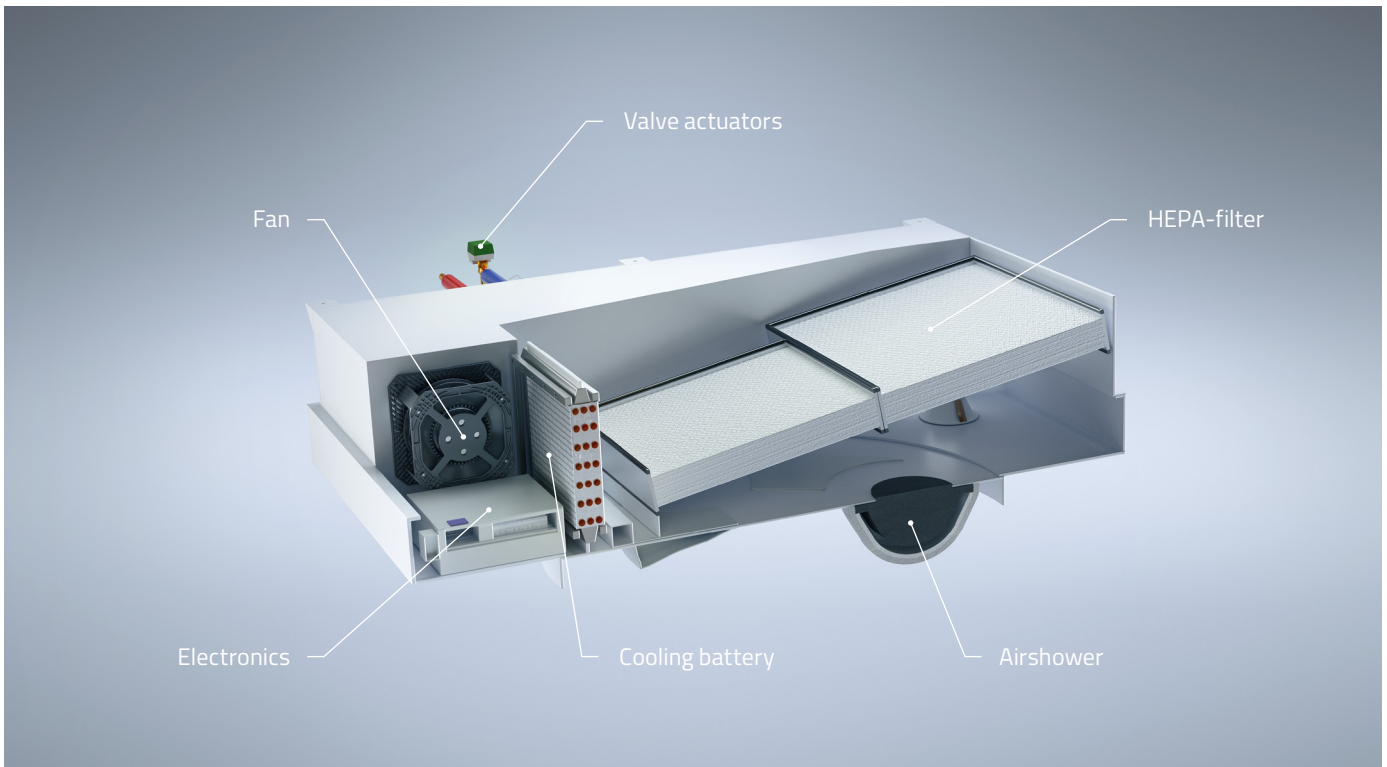
- Easy and flexible installation
  1. Secure to ceiling
  2. Attach cooling from facility or optional external cooling unit
  3. Attach power
- Possible to install even in office buildings
- Works together with existing room climate controls to allow any working temperature\*
- Controlled by color touch screen. On/off, lighting, alerts (and optional external cooling unit)
- Interface for remote control and monitoring
- Multi-language support



### Typical use cases

- Ideal for advanced oral, eye and plastic surgery as well as ultra-clean preparation of pharmaceuticals and instruments
- Possible add-on to upgrade existing operating rooms, even larger ones, that have limitations on amount of air that can be supplied or where space is severely limited.

<sup>1</sup> Charnley, J. (1972). Postoperative Infection after Total Hip Replacement with Special Reference to Air Contamination in the Operating Room. Clinical Orthopaedics and Related Research  
\* Requires adequate climate control system



Opragon In-a-Box contains air inlets, fans, a cooling coil and HEPA-filters that remove more than 99.97% of particles, bacteria and viruses from the air. With the help of patented TcAF technology an ultra-clean airflow envelopes the critical area.

## TECHNICAL SPECIFICATION

	Opragon In-a-Box 5	Unit/Info
<b>Electrical</b>		
Power Supply	220-240	V <sub>AC</sub> , 1 phase, 50 Hz
Total electric active power P <sub>elec</sub>	0,27	kW
<b>Air</b>		
Airshowers	5	
Air flow	1530*	m <sup>3</sup> /h
<b>Sound level</b>		
Sound power level, L <sub>WA</sub>	53	dB(A)
<b>Spotlights</b>		
Number of spots	4	
Luminaire luminous flux/LED	1500	lm
<b>Environmental (indoor use only)</b>		
Ambient temperature	18-26	°C
Relative humidity	20-70	% RH
<b>Dimensions and weight</b>		
Unit dimensions	2,270 x 1,867 x 0,621	L x W x D meters
Unit weight	285	kg
Touch panel incl. enclosure	0,250 x 0,175 x 0,100	L x W x D meters
<b>Color</b>		
Color code	RAL 9016	

\* Tunable up to 1650

## Together Towards Zero Infections

Avidicare is committed to the vision “Towards Zero Infections” and strives to eradicate Surgical Site Infections together with caregivers and partners.

Leading academic hospitals and specialist clinics choose Opragon for ultra-clean air in the whole operating room. With several hundred installations in Europe, Asia and in the USA, Opragon has thousands of highly satisfied users testifying to its benefits.

The technology behind Temperature-controlled Air Flow is scientifically validated. A full list of 40+ supporting scientific papers is available on request.

Avidicare is ISO-certified for quality and environment. Opragon In-a-Box is protected by two patents and Opragon is a protected trademark of Avidicare AB. Opragon In-a-Box is CE and UL certified (pending).

Contact us for more information and learn how Opragon In-a-Box can help your clinic remain safe and successful.



“ We chose Avidicare’s solution after we had a test installation with one operating room and one instrument prep room in the old surgical department in operation for a couple of years to evaluate the technology. We then decided to use the technology in our new surgery building. New technology, ultra-clean air (...) and good comfort for the staff were deciding factors in our choice of ventilation solution.”

— Torbjörn Henrikson, Representative of Gävle Hospital

“ Avidicare offers a system that has been proven in some two hundred installations in Europe. Research confirms its superior performance by using gravity instead of blowing air to make the room clean. We were looking for the best OR ventilation system available and Opragon was the answer. The sleek, modern styling looks fantastic as well.”

— Drs. Todd and Sam Shatkin, Aesthetics Associates Centre

### CONTACT

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TOWARDS ZERO INFECTIONS