

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 ultra-clean surgery in any room

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

Maintains ultra-clean conditions around the critical operating area

- Less airborne bacteria mean less infections. Studies¹ show that less bacteria in the OR air reduces SSI occurrence
- Protects patient and staff inside an envelope of slowly falling HEPA-filtered air released above surgical table and instrument tray
- Robust and quiet airflow powered by gravity (patent protected)



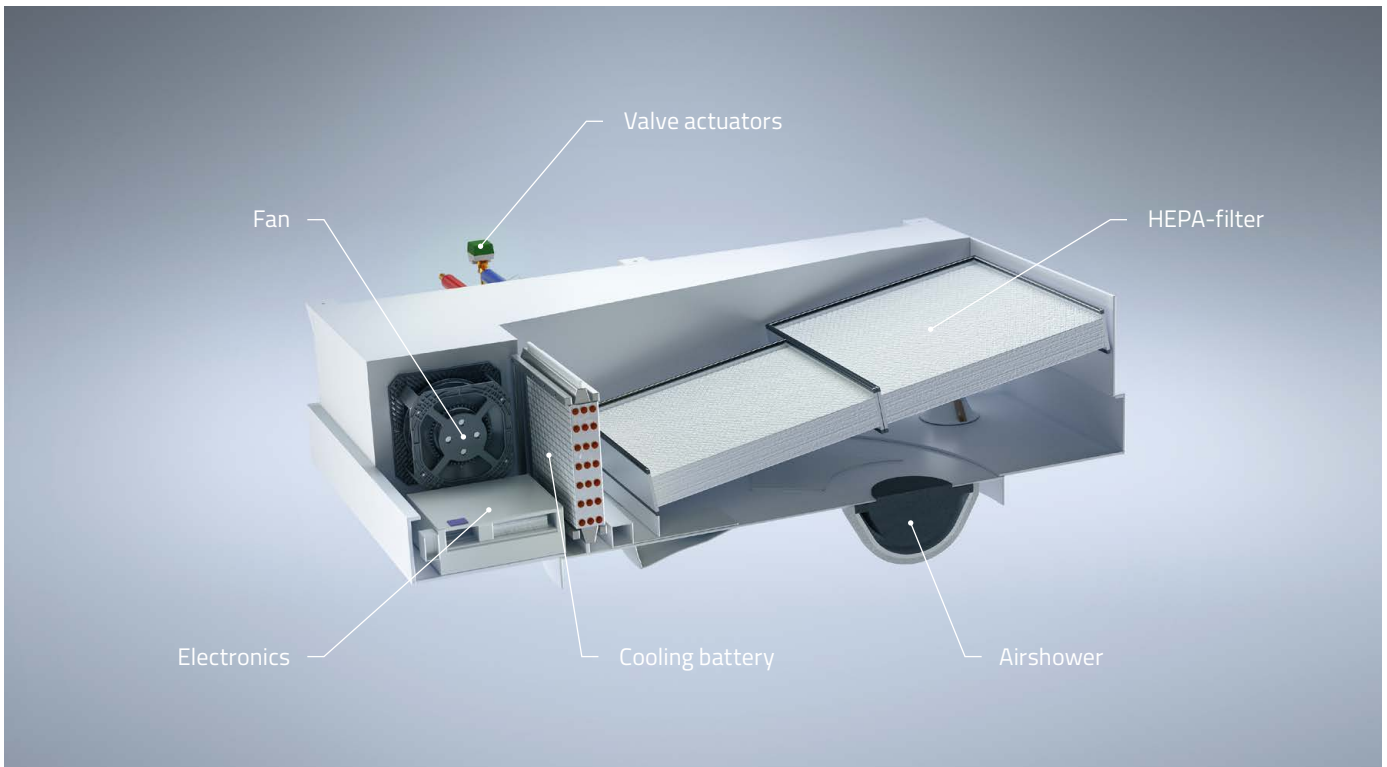
Easy to install and operate anywhere

- 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, temperature, alerts (and optional external cooling unit)
- Optional control by mobile devices

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

¹ 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



All-in-one Box

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

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.

User-friendly with full control via a color touch screen.

No noisy units that are occupying valuable floor space and mixing air in a random pattern.

The unit is easy to install by a professional firm. What needs to be connected externally is cooling water and electricity. If the facility can't provide cooling water, an external cooling unit is recommended (option). Based on recirculation, there is no need for external air-handling units.



TECHNICAL SPECIFICATION

SI UNITS

- Height: 150 mm + 250 mm
- Width and Length: 1800 x 1800 mm
- Weight: 230 kg
- Number of airshowers: 3–5
- Airflow: 1050–1750 m³/h
- Power consumption: 150 W
- Noise: 45–50 dB(A)
- Lighting: 1100 lm/spotlight

US UNITS

- Height: 5.9" + 9.8"
- Width and Length: 5.9 ft x 5.9 ft
- Weight: 500 lb
- Number of airshowers: 3–5
- Airflow: 620–1030 cfm
- Power consumption: 150 W
- Noise: 45–50 dB(A)
- Lighting: 1100 lm/spotlight

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 Opron for ultra-clean air in the whole operating room. With more than 250 installations in Europe and in the USA, Opron 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 holds six patents and is ISO-certified for quality and environment. Opron In a Box is protected by two patents and Opron is a protected trademark of Avidicare AB. Opron In a Box is CE and UL certified (pending).

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



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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

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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 Opron was the answer. The sleek, modern styling looks fantastic as well.”

— Drs. Todd and Sam Shatkin, Aesthetics Associates Centre

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