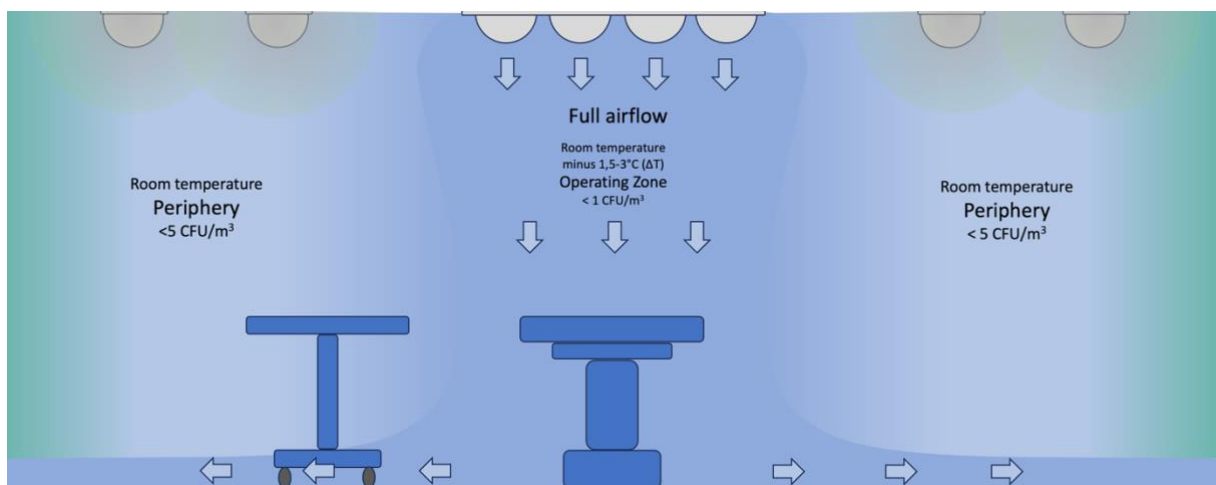


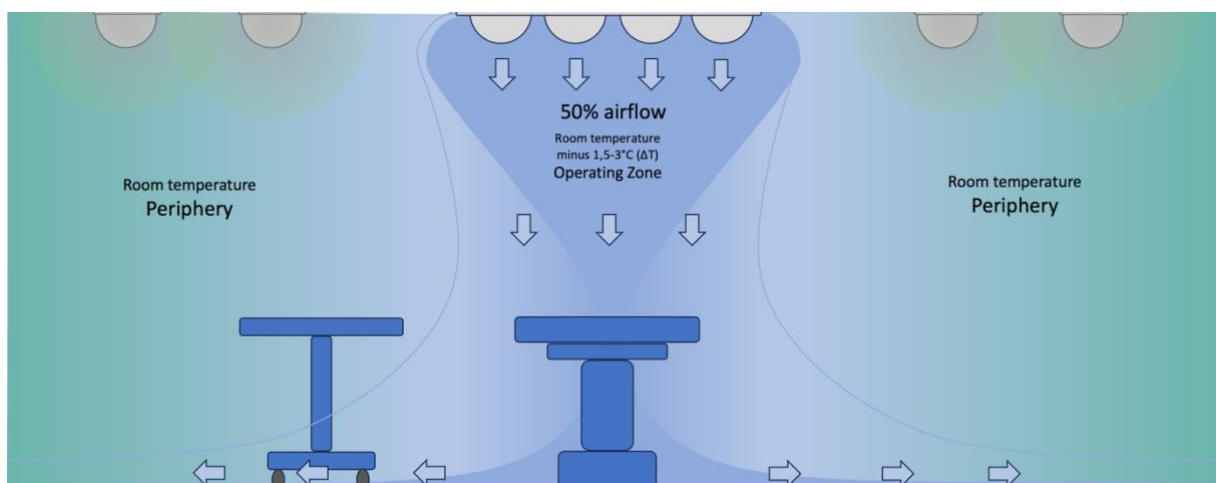
Designing futureproof ORs

An independent study conducted by the Dutch company **Maximuse** showed that the Opragon was more than capable of meeting air quality requirements for general surgery at airflow levels down to 50% of the airflow required for ultra-clean conditions.

To reduce the risk for Surgical Site Infections (SSI) the number of micro-organisms in the room needs to be minimized. A controlled ultra-clean environment is required for surgery susceptible to infections, such as orthopedic surgery. For less infection-sensitive surgical procedures, a lower level of airflow will maintain acceptable conditions while at the same time optimizing energy use.



What if hospitals could install the same ventilation system across all operating rooms and run the system in different modes? Such a design would meet the requirements of the highest classification for infection sensitive surgery when required, while during general surgery the system could be run with lower airflow. We estimate that if 50% of surgeries are performed with 50% of the airflow, the carbon footprint will be measurably lower. This would enable institutions to meet the highest standard for operating room cleanliness while optimizing energy expenditure.



Opragon

by Avidicare

Air flow rates in operating rooms equipped with Opragon can be easily adjusted to the type of surgery, conserving energy during lower risk procedures. When conditions change, such as a need for infection sensitive surgery or a viral outbreak, the ultra-clean mode of Opragon will add safety. To ensure that ORs are futureproof, and ready to handle any kind of challenges including anti-microbial resistance, it is smart to design ORs with the ability to switch between higher and lower airflow depending upon SSI risk. Only Temperature-controlled AirFlow (TcAF) can offer both modes, while also adding a stand-by mode with even less airflow when unoccupied.

Contact us for more information about the performance of Opragon at 20, 25, 30 and 40 air changes per hour (ACH).

The Opragon system at UPMC, Rochester, NY has been in use since February 2023, and has created an environment surgeons prefer working in. The room offers a huge work area with a comfortable and quiet environment with minimal draught.



Before the room was put into use, UPMC chose to test the cleanliness of the room using particles. Even though the room equipped with Opragon was not completely cleaned, the results were impressive. Mark Schwartz: *“This OR was still incomplete, yet initial air samples met an ISO 5 classification due to the performance of the TcAF system. That impressive result speaks to how well the TcAF system captures the dust particles and other potential airborne materials and moves them out of the room.”*

[Read all about it in our **blog**](#)

Opragon

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It is with great pleasure we can announce that Saint Paraskeva Medical Center in Lviv, Ukraine, has opened its latest operating room, equipped with Opragon. The clinic aims to provide its patients with the best possible care, and by choosing Opragon, they minimize the risk of airborne infections for both patients and staff.

Our exclusive distributor in Ukraine, LeoCon Group UA, has installed Opragon to the clinic with great success despite the currently very difficult circumstances in Ukraine. Through their professionalism, the project has been carried out to full satisfaction.

" Being Ukrainian Engineering & Production company we create and deliver to our customers the most innovative and advanced solutions and technologies for clean rooms in healthcare sector. All our values are

concentrated and based on the preservation of human life. Every product we produce reflects our commitment to achieving better clinical results, patient's safety during their staying in clinic. That is why we have chosen Opragon® technology, knowing that it establishes and meets all the criteria for modern OP-room." - **LeoCon Group UA**

[Read the full story in our blog](#)



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Opragon

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TOWARDS ZERO INFECTIONS

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