

PUBLIC AREAS IN THE HOSPITAL

Clean air is not only of high importance in treatment and operating rooms. Especially in rooms with a lot of public traffic – such as waiting rooms, reception areas and administrative offices – clean air should be a matter of course. In addition, the coronavirus pandemic has established a heightened sensitivity to the possible transmission of pathogens through the air.

In public areas of the healthcare sector, people come together who are often already ill. Regular spray and wipe disinfection is not enough to prevent infection because, in many viral diseases, such as gastrointestinal infections or SARS-CoV-2, the pathogens literally fly through the air.

COMPLETE INDOOR AIR CONCEPTS

So what options are there for filtering out these pathogens, but also pollen and fine dust, for example, effectively and yet cost-efficiently, without reducing the comfort of the room through disturbing noise or draughts?

Rely on our comprehensive indoor air concepts and innovative products with which we constantly set new standards in **hygiene and safety**. We will be happy to advise you extensively and present the most effective solution options for your individual premises and areas.

YOUR ROOMS – OUR SOLUTIONS



RECEPTION AND LOUNGE AREA

"Please take a seat in our waiting room" is often heard in medical facilities. To protect the patients, various disinfection facilities are placed within corresponding zones. However, they cannot replace an air washer with a special HEPA filter. This removes harmful germs and viruses directly from the air that surrounds you.

It is possible to install a ceiling filter or to use a floor unit in smaller rooms. Here, observing not only the hygiene standards, but also the comfort requirements of patients and staff, is vital. Central aspects for your reception area include:

- Filtration of fine dust, house dust, allergens and other contaminants
- Reduction of the aerosol concentration
- Temperature control
- Prevention of draughts
- Protection of privacy and therefore no room air change via



ADMINISTRATION AND OFFICES

Medical building complexes include not only treatment, care and waiting areas, but also offices and administrative wings.

For the employees working there, the best possible indoor air quality is essential. The high demand for **office air** exists not only in terms of the increased likelihood of infection in hospitals, but also in terms of productivity and satisfaction. Simple Plexiglas walls or occasional ventilation are not sufficient within the scope of a comprehensive hygiene concept to achieve the necessary standards.

The **ventilation and air conditioning strategy for offices** depends on many factors.

- Architecture and building type
- Location
- Room volumes and layout
- Occupancy and building type must be taken into

door undercuts (DIN 4109)

- Pressure-neutral ventilation operation for compliance with the sound insulation standard

consideration.

Our know-how and the wide range of ventilation and air-conditioning systems, devices and components enable us to respond to your individual requirements.

► [Ventilation and air conditioning solutions in offices](#) ►►



PHARMACIES AND SALES AREAS

Professional advice in a hospital is not only provided by competent doctors and nurses. Many facilities have their own pharmacy where necessary medication can be obtained directly on site.

A pleasant atmosphere with clean and well-tempered air contributes to customer satisfaction and staff productivity in addition to the comfort aspect.

In light of this, ventilation and air conditioning systems have to adapt to constantly changing environmental conditions while continuing to **run efficiently**.

Within the hygiene management for your pharmacy, consider the effectiveness of air filters and offer your visitors a safe and pleasant shopping experience.



KITCHEN AND CAFETERIA

The health of patients is the absolute focus in medical facilities. In addition to accurate medical treatment, physical well-being is also important.

In the kitchen and cafeteria, however, not only tasty dishes are created, but also odours that must be effectively kept away from the rest of the building.

Working within an area where food such as hot fats is handled also requires a high level of hygiene and safety.

Not to be forgotten are also the high thermal loads that have to be dissipated as efficiently as possible.

YOUR PERSONAL ADVISOR



I AM HAPPY TO ADVISE YOU.

Whether new construction, design, optimisation, system expansion, refurbishment or maintenance – TROX is at your side. Describe your specific needs to us or arrange a non-binding consultation.

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ZONE-DEPENDENT VENTILATION MEASURES IN HOSPITALS

	Mechanical ventilation	HEPA-air filtration	Temperature control	Humidity control	Room pressure control
Public areas					
Sensitive areas					
Critical areas					

Due to Covid-19

Get an overall impression of the sizing and design of ventilation and air-conditioning systems in the healthcare sector.

You can already make a rough distinction on the basis of the adjacent table.

This page contains all the information about public areas in the hospital. Of course, we also provide appropriate guidance on **critical areas** and **sensitive areas** on our website.

DETAILED DESIGN AID

Our clear table provides Design information on the most important parameters of a ventilation and air-conditioning system in the healthcare sector.