sercair

New Generation Smart Air Cleaning Technology

People living in the city can't 'breathe'.

People living in the city spend about 22 hours a day indoors. Indoor air quality has deteriorated like never before. For this reason, we are all seeking to improve the air quality of the environments 'we breathe' in.

How pure is the air quality of the environment that we live in?

Materials with high insulation values are used to save energy in the buildings we live in. These materials prevent the natural air passage between indoor and outdoor spaces to a great extent.

BUILDINGS CAN'T
BREATHE

Indoor air quality can be 55 times more polluted than the outdoor air.

According to statistics reported by the EPA*, the level of air pollution indoors can be 2 to 5 times higher than the worst air outdoors. In fact, this number can reach up to 55 times higher in unfavorable conditions. Polluted air can cause shortness of breath, headache, respiratory diseases, asthma, distraction and depression.
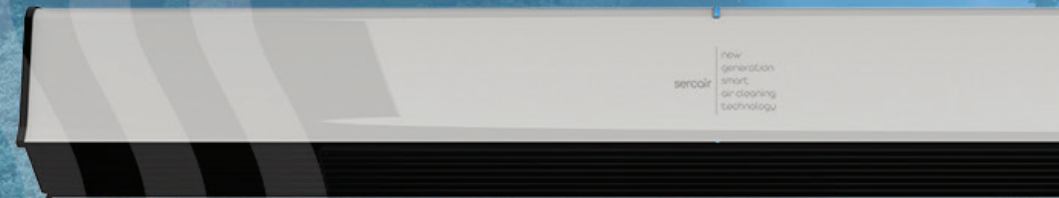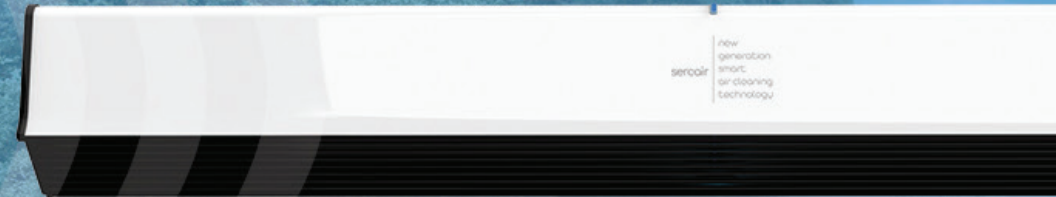
*The United States Environmental Protection Agency

New Generation Smart Air Cleaning Technology

A revolutionary innovation in indoor air quality!

Nowadays, various devices like dehumidifier, humidifier, ionizer, air purifier and UVC lamps are used to regulate indoor air quality. In order to do this, those devices must be used in once.

Therefore, we designed **Sercair** to achieve a healthier life and improve the air quality by analyzing it 24 hours a day.

PATENTED PRODUCT
unique
IN THE WORLD*

*USA: US10.808.956B2
*TPE: TR2018 11835 B

With a single device, polluted air is out, fresh air is in!

Thanks to Sercair's 24/7 cleaning process, the air in your home is completely renewed. Clean air prevents the occurrence of such disorders as shortness of breath, headache, respiratory diseases, asthma, distractibility and depression. Therefore, fresh air is vital for a healthy and quality life.

//by ITU (Istanbul Technical University)
Tested and approved. //

Indoor Air Quality Sensors

Temperature

CO$_2$

Humidity

Particles

VOCs

Outdoor Air Quality Sensors

Temperature

CO$_2$

Humidity
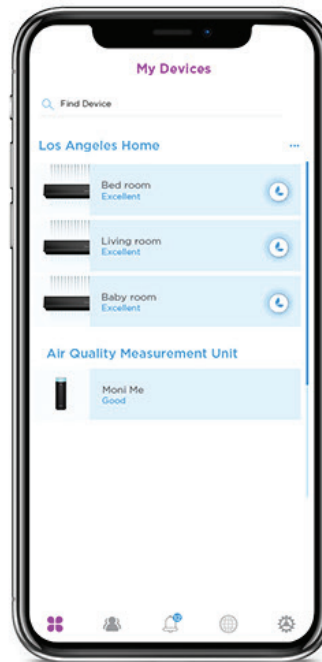
Particles

VOCs

Sercair analyzes the temperature, humidity, carbon dioxide VOCs (volatile organic compounds), carbon dioxide and PM measurements simultaneously and brings the fresh air into your room thanks to its filters. Also, it sterilizes filtered air with UVC lamp and brings this air to an ideal level with the preheating unit.

Smart software analyzes sensor data instantly and high efficient **Sercair** devices make it work!
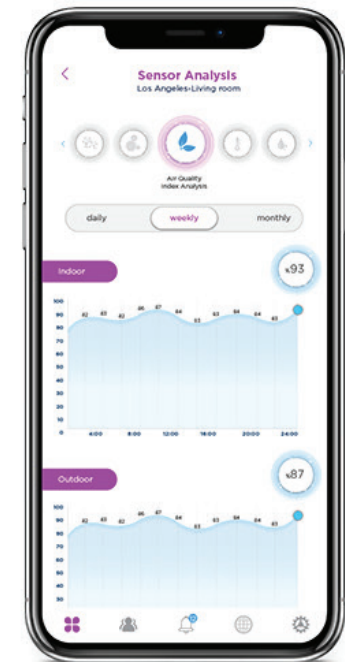
SERCAIR APP

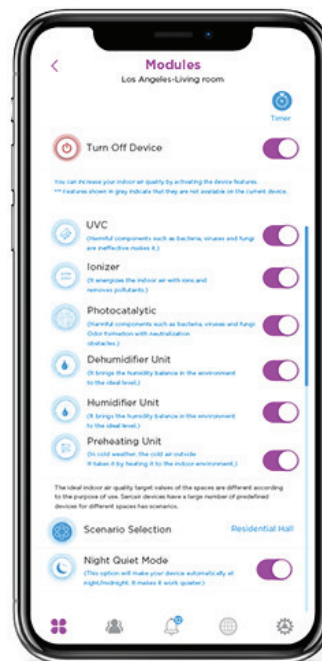Sercair devices can be easily monitored and managed remotely thanks to the Sercair App.
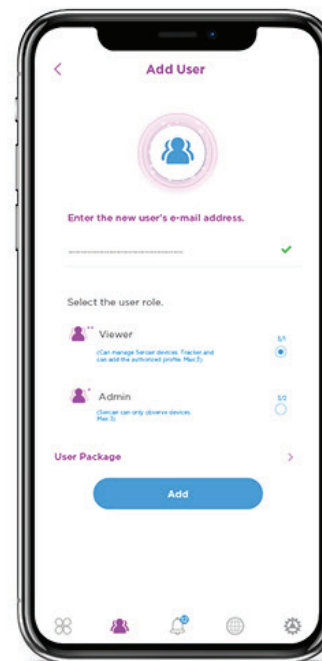
Device's Location and Place

My Devices

Find Device

Los Angeles Home

Bed room
Excellent

Living room
Excellent

Baby room
Excellent

Air Quality Measurement Unit

Moni Me
Good

Air Quality

wifi Los Angeles Home

Indoor Outdoor

93
Excellent

normal module mode

Excellent Excellent 24 °C %60 Excellent

Sensor Analysis

Sensor Analysis
Los Angeles-Living room

Air Quality
Index Analysis

daily weekly monthly

Indoor ×93

Outdoor ×87

Modules

Modules
Los Angeles-Living room

Timer

Turn Off Device

You can increase your indoor air quality by activating the device features.
*** Features shown in gray indicate that they are not available on the current device.

UVC
(Harmful components such as bacteria, viruses and fungi are ineffective modes 4.)

Ionizer
(It energizes the indoor air with ions and removes pollutants.)

Photocatalytic
(Harmful components such as bacteria, viruses and fungi. Odor formation with neutralization obstacles.)

Dehumidifier Unit
(It brings the humidity balance in the environment to the ideal level.)

Humidifier Unit
(It brings the humidity balance in the environment to the ideal level.)

Preheating Unit
(In cold weather, the cold air outside. It takes it by heating it to the indoor environment.)

The ideal indoor air quality target values of the spaces are different according to the purpose of use. Sercair devices have a large number of predefined devices for different spaces has scenarios.

Scenario Selection Residential Hall

Night Quiet Mode
(This option will make your device automatically at night/midnight. It makes it work quieter.)

Add User

Add User

Enter the new user's e-mail address.

Select the user role.

Viewer 1/1
(Can manage Sercair devices. Tracker and can add the authorized profile. Max 2.)

Admin 1/2
(Sercair can only observe devices. Max 3.)

User Package

Add

Air Quality Map

Air Quality Index

88

95

90

65

5

65

45

Mode Options

STERILIZATION, HOLIDAY, ECONOMIC, STANDARD, PERFORMANCE determining the optimal operating with mode.

Device Details

Ability to monitor and manage all of your devices from anywhere and anytime.

Scenarios

Numerous scenario setups with different ideal weather conditions for areas such as living rooms, kitchens, offices, schools, hospitals, nurseries.

Sensor Analyses

Ability to review all indoor and outdoor air sensor values and run a detailed retrospective analysis.

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wifi   **Los Angeles Home**   26°

Indoor   Outdoor

93
Excellent

normal   module   mode

Excellent   Excellent   24 °C   %60   Excellent

bed room   living room   baby room

Gas leak warning

Sercair New Generation Smart Air Cleaning Technology, with the use of toxic gas sensors and smoke detector, monitors the living spaces continuously and makes them safer.

APP emergency service

In the event of dangerous situations such as gas leakage, the device immediately emits an audible alarm and automatically starts to clean the air in the room with the highest efficiency! **Sercair App** informs defined users at the same time.

Los Angeles
Living room

Indoor   Outdoor

5
Emergency

Models

Pure Series
Pure 29/39/59/79

Pure 29, 39, 59, 79 series filters the outdoor air with its new generation fan and filtering feature, and brings it indoors at the same time.It sends polluted indoor air to outdoor. The models differ from each other where located according to window sizes and fan capacites in the device.

Pure 59

Pure 79

	Pure 29	Pure 39	Pure 59	Pure 79
(Min.-Max.) (C) Per Hour Air Flow	500-1010 mm	600-1010 mm	1010-1510 mm	1510-2010 mm
Number of Fresh Air Fans /Max. Air Flow	1 / 300 m³/h	1 / 300 m³/h	2 / 570 m³/h	2 / 570 m³/h
Number of Polluted Air Fans /Max. Air Flow	-	1 / 95 m³/h	1 / 95 m³/h	2 / 395 m³/h

* You can view detailed technical data of the devices in **Sercair** technical catalogue.

Core Pure Series
Core 2/3/4 Pure

Core Pure series has been developed for crowded places with large volumes such as cafes and restaurants. With its increased different fan feature, it filters the outdoor air to the indoor area and at the same time throw out the polluted air to the outdoor environment.
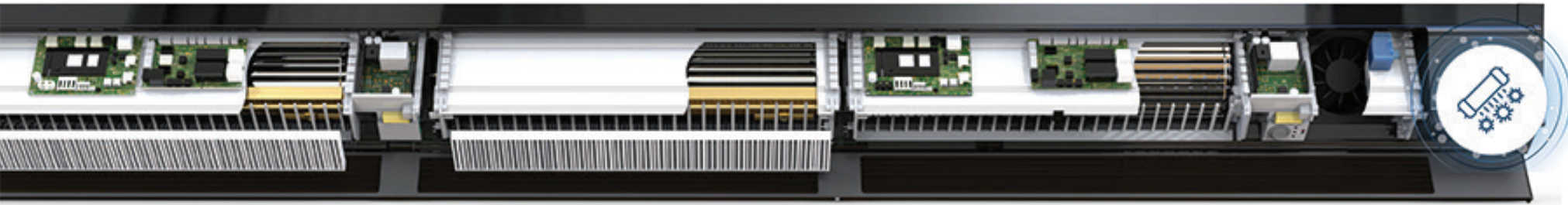

Core 2 Pure

Core 3 Pure

Core 4 Pure

	Core 2 Pure	Core 3 Pure	Core 4 Pure
(Min.-Max.) (C) Per Hour Air Flow	2010-3010 mm	3010-4010 mm	4010-5010 mm
Number of Fresh Air Fans /Max. Air Flow	2 / 570 m³/h	4 / 1110 m³/h	6 / 1650 m³/h
Number of Polluted Air Fans /Max. Air Flow	4 / 760 m³/h	5 / 855 m³/h	6 / 950 m³/h

* You can view detailed technical data of the devices in **Sercair** technical catalogue.

Pure / Core Pure Healthy Series

The antimicrobial effect of ultraviolet-C (UV-C) LEDs have been known for many years. UV-C led technology can be added to all devices of the Pure / Core Pure Healthy series. Devices with UV-C led technology are called Pure Healthy / Core Pure Healthy series. With its Pure / Core Pure Healthy UV-C unit, it destroys viruses, bacteria, protozoa, fungi and all other microorganisms to a large extent.
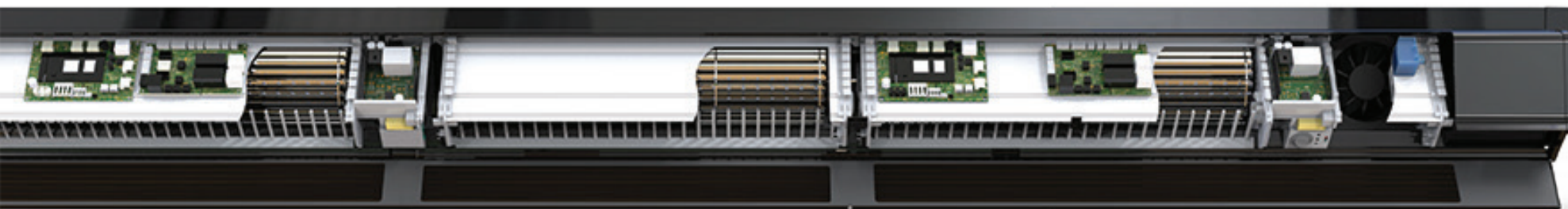

Healthy Series

 * Device image is used as a reference for UV-C led technology. You can view detailed technical data of the devices in **Sercair** technical catalogue.

Pure / Core Pure P Series

Pure P/ Core Pure P models send the indoor polluted air to outside with increased fan capacity. It is suitable for use in places where odors such as cigarette smoke or food smells are intense. It is used in places where the need for evacuation of polluted air is high. In addition to this, it is possible to make more efficient ventilation by connecting it together with other **Sercair** devices.
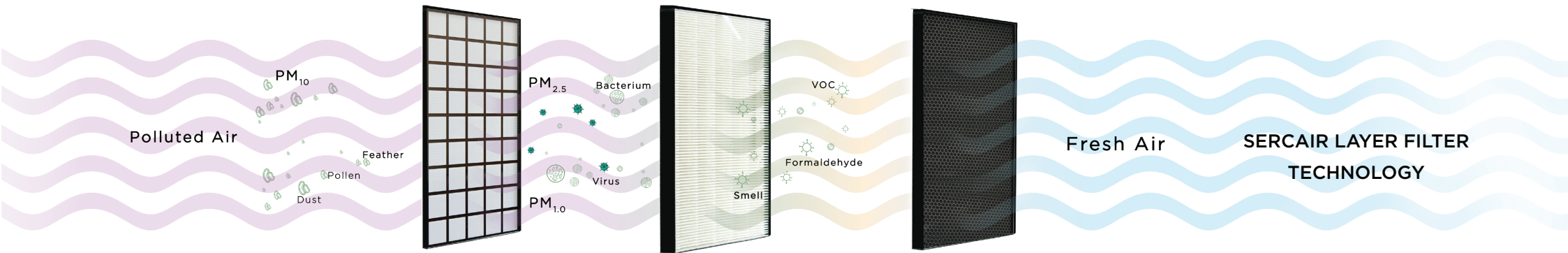

P Series

 * Device image is used as a reference for P models. You can view detailed technical data of the devices in **Sercair** technical catalogue.

Filters

Perfect filter design

Polluted Air

PM$_{10}$

Feather

Pollen

Dust

PM$_{2.5}$

Bacterium

Virus

PM$_{1.0}$

Smell

VOC

Formaldehyde
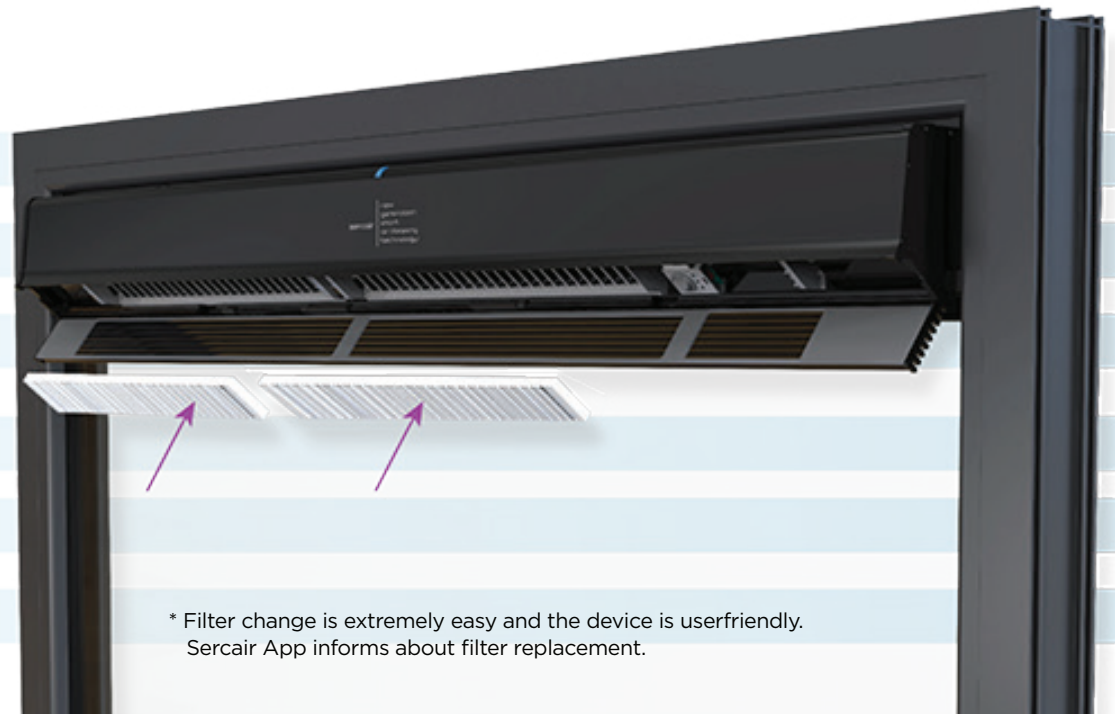
Fresh Air

SERCAIR LAYER FILTER TECHNOLOGY

Carbon and pollen filters are specially designed for **Sercair New Generation Smart Air Cleaning Technology** to improve the air quality of your space by capturing invisible dusts, pet hair, food odor, pollens, mold and bacteria. You can easily replace these custom filters at any time.

Carbon Filter

Pollen Filter

* Filter change is extremely easy and the device is userfriendly. Sercair App informs about filter replacement.

Houses

Your family deserves fresh air!

The air quality in homes, which is the living space of the whole family, cannot always be controlled. Even the most innocent-looking heaters, dried laundry, cooked food, carpets and guests from outside can cause humidity, dust, bacteria and various pollutants. Cleaners containing chemicals and cigarette smoke, which are likely to be seen in homes, can create an increase in the rates of VOCs and carbon dioxide in the air. These factors can lead to risk of allergies and diseases.

Sercair New Generation Smart Air Cleaning Technology, eliminates all pollutants thanks to its specially designed advance sensors and provides a good breathing and quality sleep experience in your home.

Breathe fresh
for your health

It is necessary to comply with cleanroom standards and use cleanroom technologies in hospitals and clinics. In these facilities, factors such as temperature, humidity, pressure and air movements, as well as control of particles consisting of dead particles like dust, waste-anaesthetic gas, or microorganisms also known as bacteria and viruses, must be in compliance with the standards. Contrary situations may bring new health problems.

Thanks to **Sercair New Generation Smart Air Cleaning Technology**, which sterilizes the filtered air, the occurrence of infections and various diseases are minimized. The way to breathe healthy passes through **Sercair New Generation Smart Air Cleaning Technology.**

Hospitals

The cleanest breath, most comfortable stay

Nowadays, people pay more attention to the quality of the air they breathe, and expect the facilities to offer them fresh indoor air. The air in hotel rooms is polluted by factors such as cigarette smoke, dust and bacteria on carpets and upholstery. This pollution can cause allergies, asthma, skin reactions, cough and deterioration in sleep quality.

Thanks to the automatic air purification process of **Sercair New Generation Smart Air Cleaning Technology,** which continues 24/7, the air in your hotel rooms is always clean!

Hotels

Cafes

Eat natural, drink natural, breathe naturally

Due to crowd, odors during cooking and chemicals used in cleaning, indoor air quality in cafes and restaurants gradually deteriorates during the day. In addition to the bad odors that permeate the clothes of people who visit cafes and restaurants, many discomforts such as headache, dizziness, burning in the eyes, and sleepiness may occur.

Sercair New Generation Smart Air Cleaning Technology, with its structure that measures the parameters to determine indoor air quality and the use of 2 different filters allows your customers to breathe fresh air and spend time with pleasure.

Schools

Clean air, bright future

In educational buildings such as kindergartens and schools, even if the classrooms are ventilated fresh air intake is always limited. Usually, after the first lesson, the indoor air becomes highly polluted. This pollution adversely affects the health and concentration of our children, who spend most of their time at school, and leads to a decrease in their educational performance. Various pollutants in school buildings can cause respiratory diseases, concentration problems, allergic symptoms and various health problems in children.

Sercair New Generation Smart Air Cleaning Technology's automatic cleaning process prevents all these problems and offers a healthy and clean breathing experience to your children all day.

Fresh air in your workplace

It is almost impossible to reach an ideal level of indoor air quality in offices or business towers where windows cannot be opened. Negative consequences such as allergic reactions, respiratory diseases, headaches can be caused by polluted air. This may also lead to a reduced productivity in employees and increase the risk of diseases.

Sercair devices are used in hotels, hospitals and offices. You can manage and observe them whenever and wherever you want at the same time thanks to **Sercair New Generation Smart Air Cleaning Technology**.

Offices

Moni Me

An assistant at your service.
You will always feel comfortable with Moni Me

With Moni Me, you can learn how the air quality of your environment is, wherever you are. Moni Me shows the values of indoor air quality by means of the led panel and warns you if there are too many pollutants in the environment.

We also bring the polar ionizer in our Moni Me 3 model. It reduces the amount of dust and particles in the air.

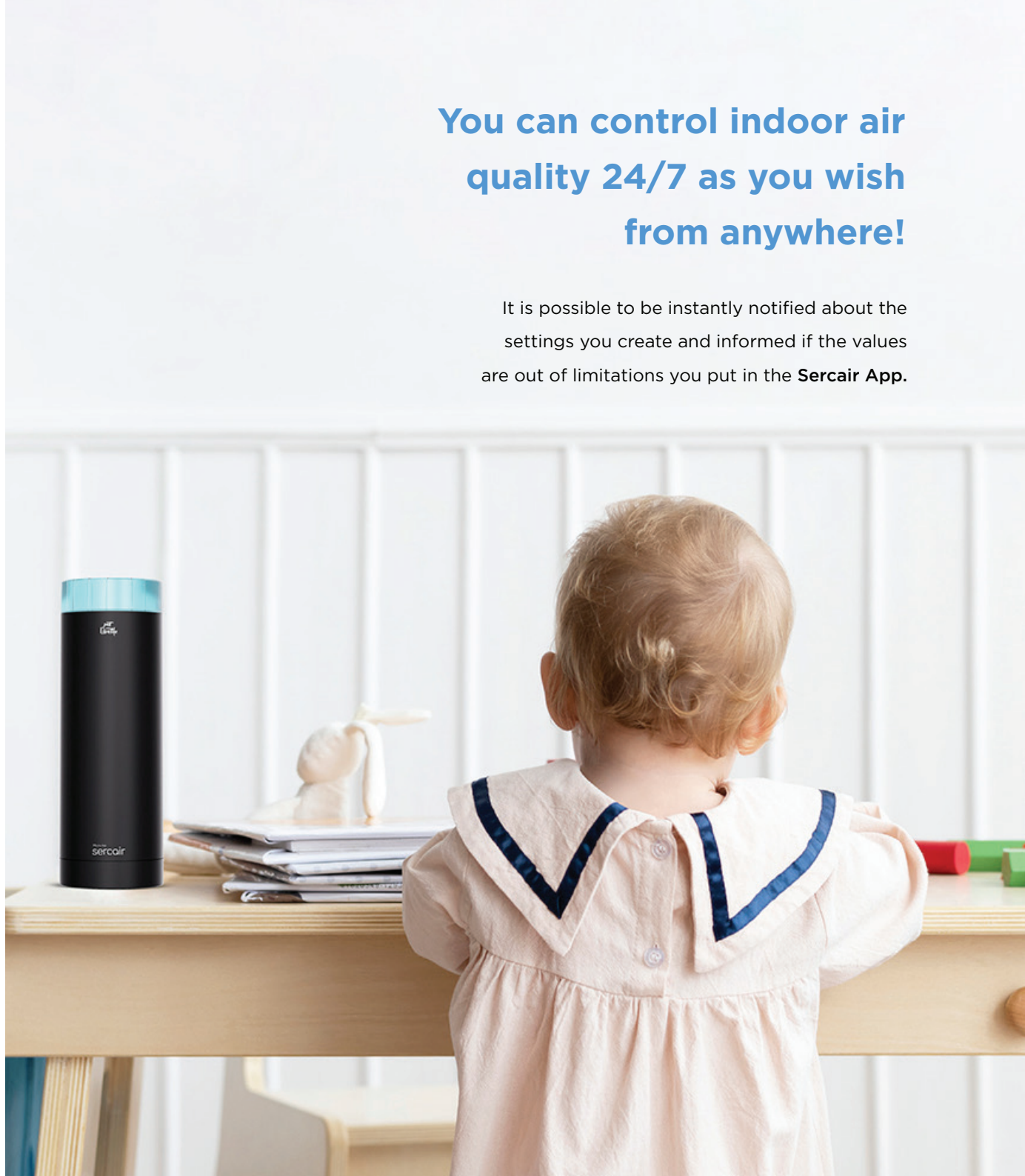| Excellent | Very Good | Good | Bad | Very Bad | Emergency |

With the **Sercair App**, your daily air quality values are at your fingertips! Thanks to its developed special application, you can review historical data and weather analysis you have done before from your smartphone.

You can control indoor air quality 24/7 as you wish from anywhere!

It is possible to be instantly notified about the settings you create and informed if the values are out of limitations you put in the **Sercair App.**

Piatra

Breathe fresh air indoors with Piatra!

Effective on lint, dust, odor and allergens!
You can easily change the air quality values on the Piatra touch
screen. You can detect and monitor in your places air quality
with the colors on the front screen bar. Piatra devices are
perfect for home, offices and crowded indoor facilities.

Good

Normal

Bad

Piatra Filter

Spirit

Mini Air Purifier

Carry the fresh air with you!
Contrary to its powerful fan, it works with as little noise as possible. Sercair Spirit offers you the opportunity to have a fresh air both for your home and your car.
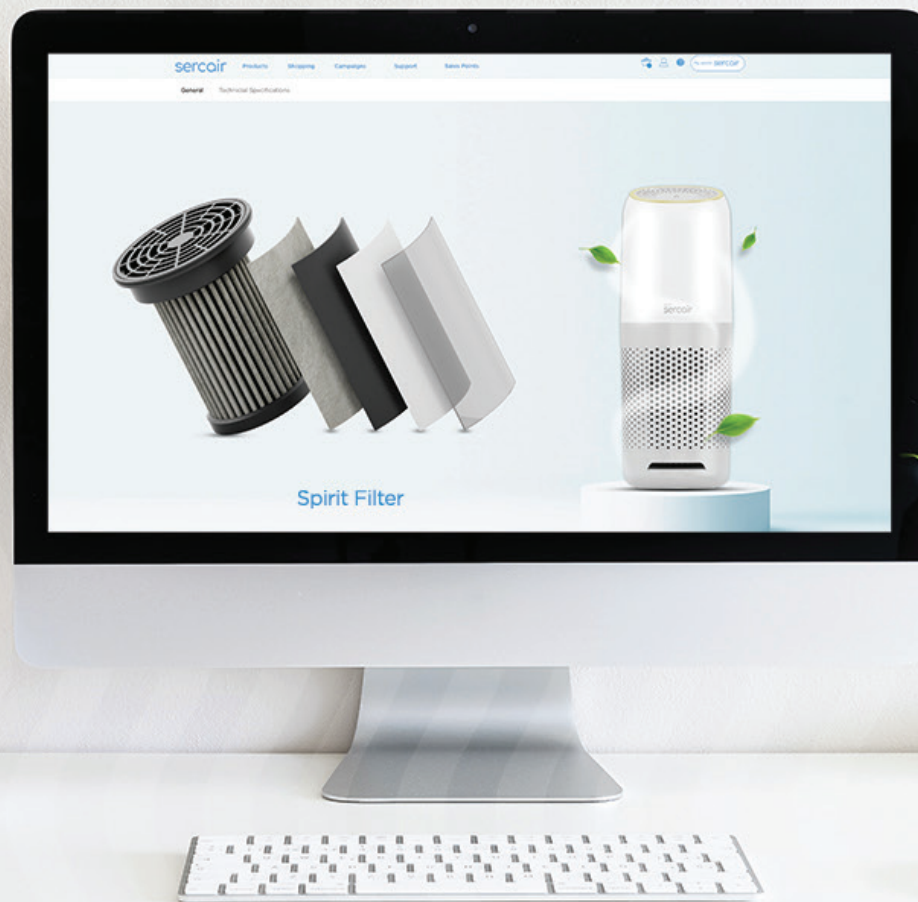
Blue
Good Air Quality

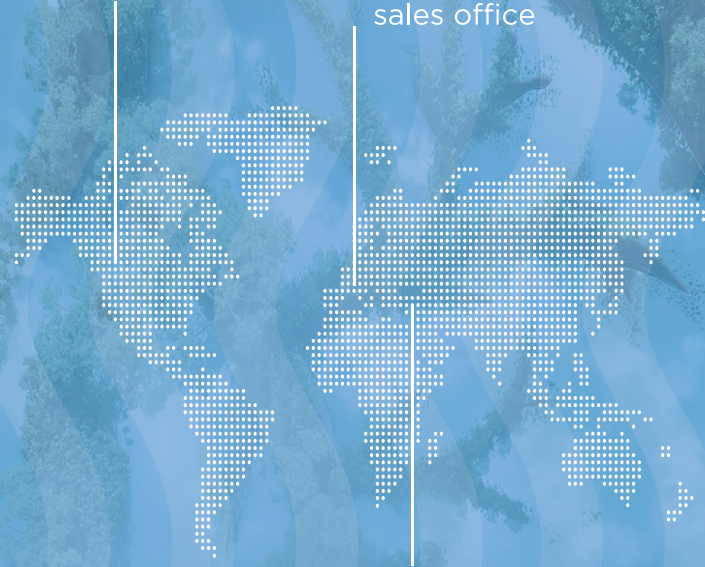**Yellow**
Normal Air Quality

Red
Bad Air Quality

Spirit Filter

sercair

LOS ANGELES
head office

DUSSELDORF
sales office

İSTANBUL
manufacturing plant

sercair.com

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Designed by Sercair in California