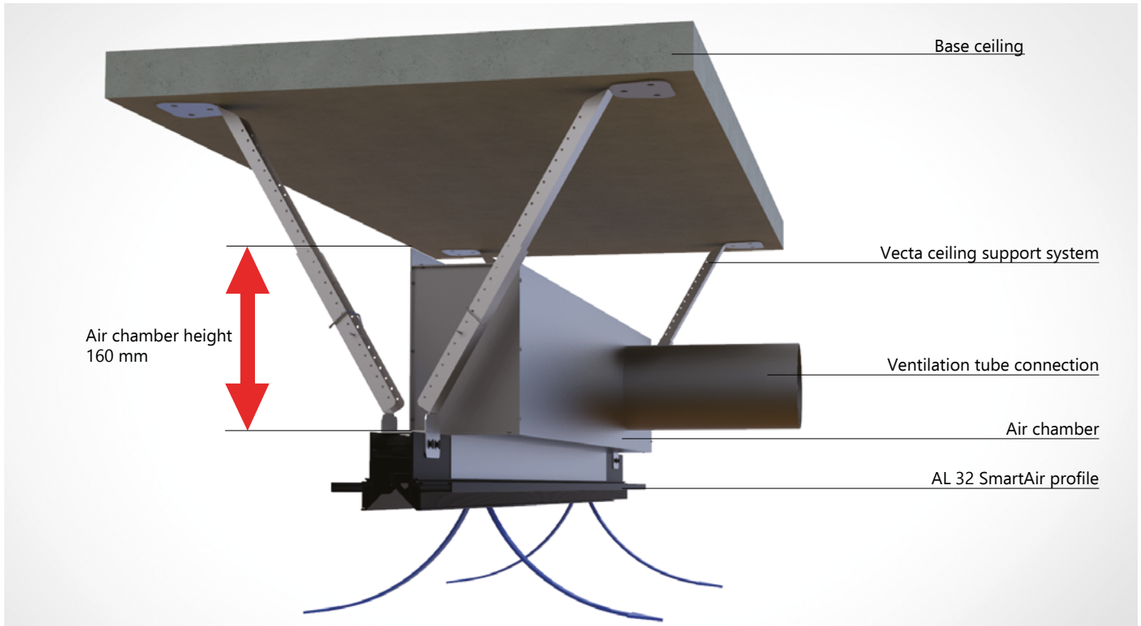
VECTA® STRETCH CEILING SYSTEMS design

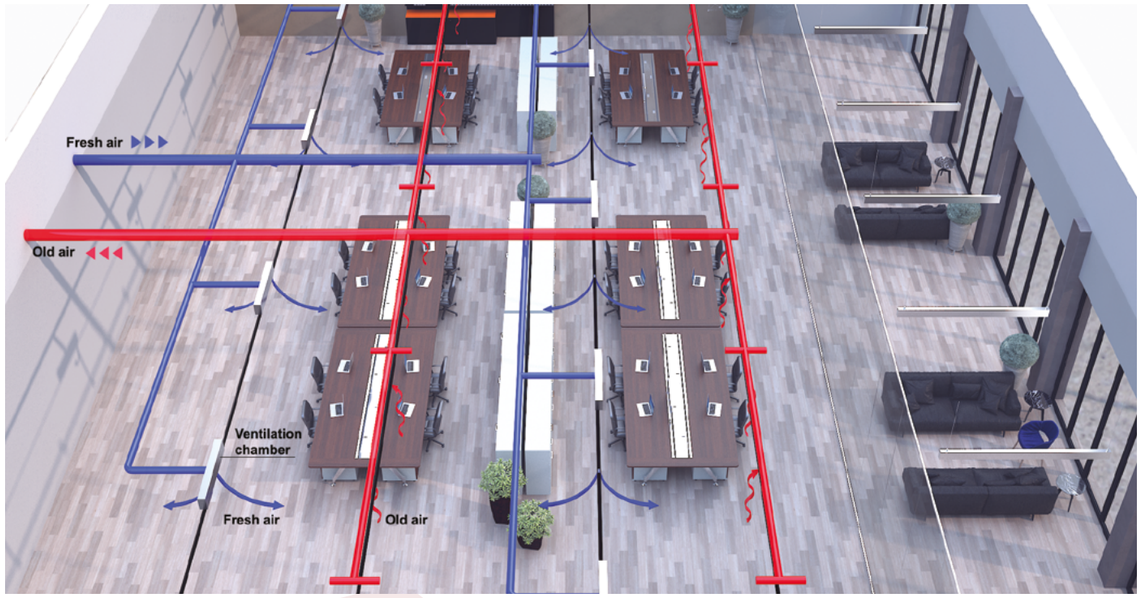
INNOVATION MADE VISIBLE

SMART AIR Developed by Vecta Design LTD. PATENT PENDING

MOUNTING PROFILE TO THE CEILING USING VECTA SUPPORT SYSTEM



Air diffuser width	50 mm
Air chamber material	Galvanized steel / Aluminium / Stainless steel
Air chamber length	1250 mm (Standart) / Custom size available
Air chamber insulation	Foamed rubber 10 mm / Foamed rubber Metallized 6 mm
Air flow rate	20-270 m³/hm
Tube connection	100-125 mm



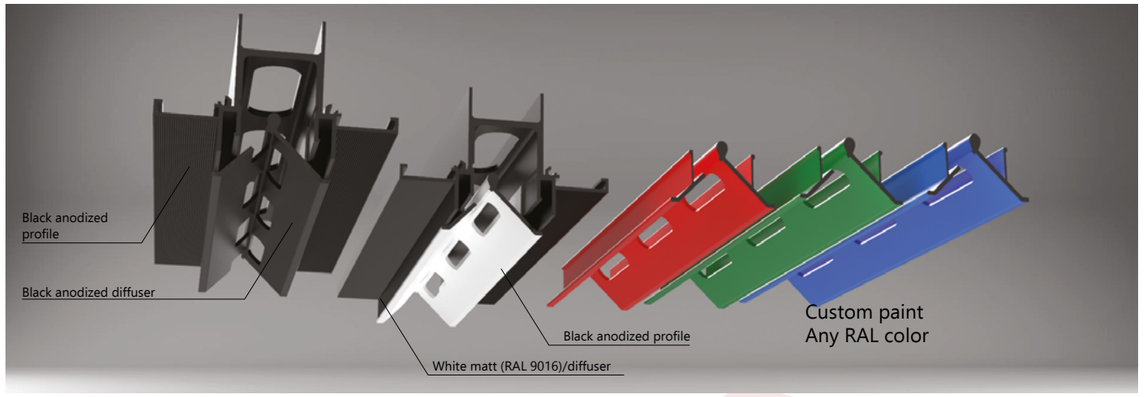
Feel free to contact us for any of your questions: info@vectadesign.com | phone: +372 44 23 023 | fax: +372 43 70 339

The SmartAir AL32 is a new slim and subtle linear air diffuser that provides a more comfortable climate and an easy indoor installation.

ADVANTAGES OF THE AL32 SMARTAIR PROFILE:

- **Draught-free air distribution.** The new linear diffuser profile produced by Vecta Design allows you to change the direction of the air flow and spread fresh air throughout the room without compromising on well-being. The air exits vertically through small ducts and is finely dispersed, allowing a diffused, indirect, and comfortable air flow.
- **Cleanliness.** The SmartAir solution helps keep the ceiling clean for longer than any traditional air diffuser.
- **Easy and quick installation.** The well-thought-out design and profile concept allow easy integration with gypsum board without additional construction and effort. There is also a lock for the harpoon to install the stretch ceiling in the profile. The SmartAir system helps to maximize the efficiency of your existing ventilation system in less time.
- **Universal profile.** The SmartAir system can be integrated into both stretch and plasterboard ceilings or a combination of both.
- **Design.** The ultra-slim and elegant diffuser profiles blend in perfectly with any architecture and allow you to create an almost invisible air diffuser system using a white diffuser on a white ceiling. Alternatively, a black air diffuser on a white ceiling provides a beautiful and stylish contrast. The SmartAir diffuser profile can be painted in any RAL color.
- **Ceiling pressure control.** The SmartAir system helps to equalize the pressure above the ceiling, which is especially important for larger areas.
- **Air chamber with additional insulation.** Mainly used in particularly hot countries.
- **Functionality.** Fresh air is distributed in the room continuously and evenly without generating a direct airflow, which often causes discomfort.

Colors and finishes



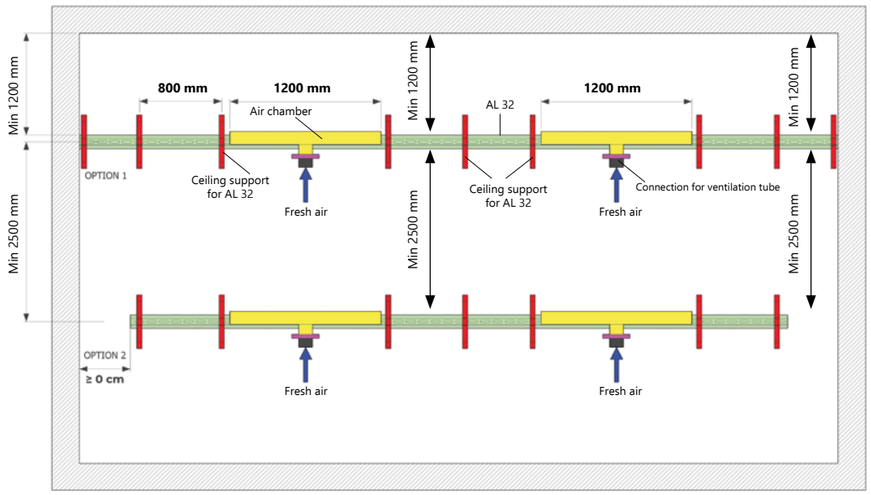
DESCRIPTION OF THE PROCESS

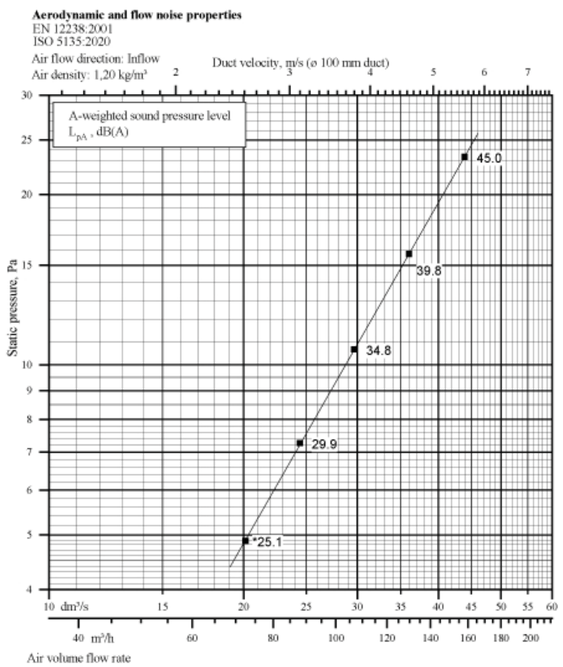
We meticulously designed the SmartAir diffuser to disperse the flow of fresh air into small channels, giving it a set direction when it enters the room. The stale air in the room heats up, rises, and is cleared from the room through the same profile, through the area where the air chamber is not installed. This very effective air exchange minimizes the need for additional cooling. The SmartAir system can be used in both private and public spaces and easily connects to any existing ventilation system. For rooms with a high humidity, such as swimming pools, the air chamber can be made of stainless steel.

The SmartAir system consists of a black, anodized AL32 base profile, a white or black diffuser (other RAL colours can be ordered), and a galvanized steel air chamber. Optional, additional insulation of the air chamber allows the SmartAir system to be used in particularly hot countries and prevents excessive energy loss while cooling the room. The VECTA Design support system allows you to quickly and easily install the profile on the base ceiling.

MOUNTING SCHEME

View from the top



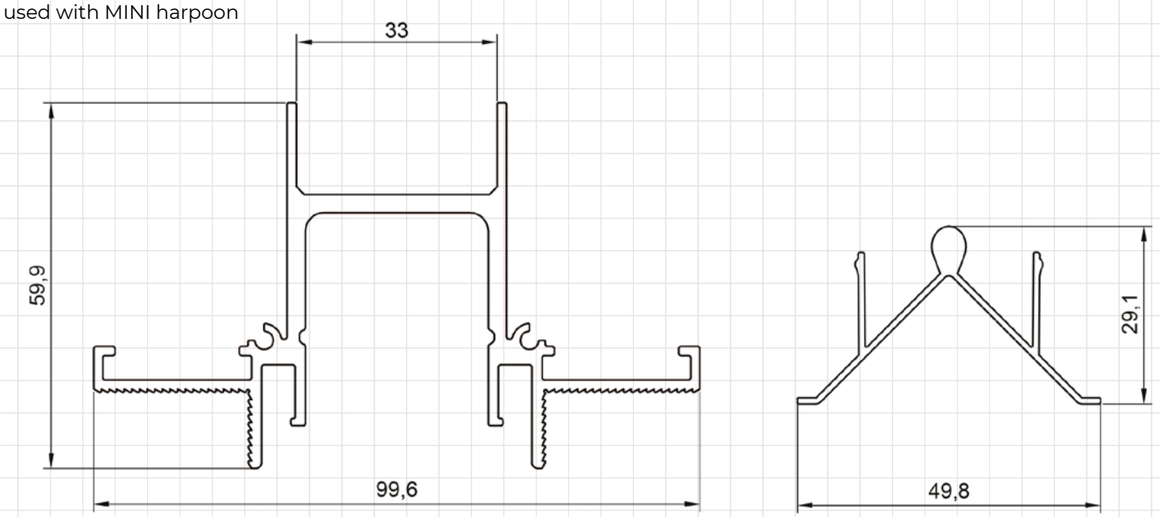


One meter of Smart Air profile in combination with a single air chamber allows a flow of fresh air of up to 162 m3/h, enough to provide a small office space or above average living area with plenty of fresh air. At maximum capacity, less noise is produced than by an average refrigerator. When used with an average air flow, less than 20 decibels are produced, equivalent to the sound of rustling leaves. When increasing the length of profiles and the amount of air chambers, the air speed can be reduced while maintaining the same flow of fresh air and decreasing the level of sound even further. This way, you can get rid of the two most annoying things about ventilation systems: noise and a concentrated air flow. What's left is a stimulating sense of well being.

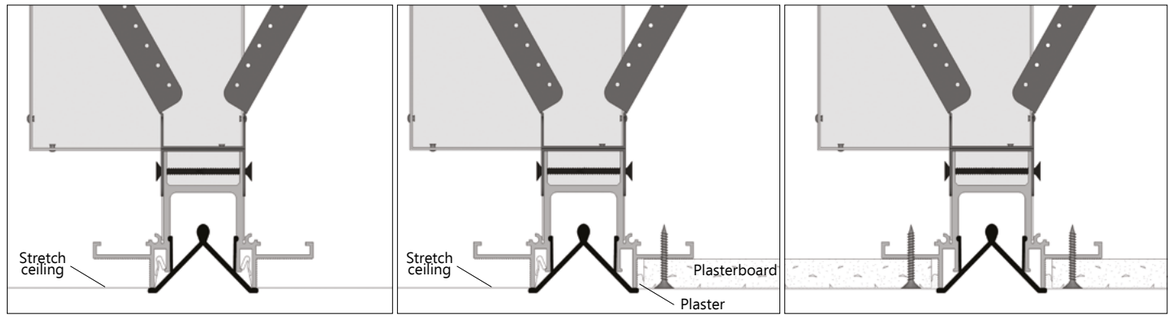
INNOVATION MADE VISIBLE

PROFILE REAL-SIZE DIMENSIONS

used with MINI harpoon



USING OF PROFILE



CONNECTING OF PROFILES

Connecting profiles lengthways using LC-08

Corner fixing with LC11

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