



Ventichape system type Ventichape

The Ventichape duct system originated in the domestic ventilation and was developed in need of an easy and solid system.

Application

- **Ventichape** can be used for houses, apartments, but also utility buildings.
- The duct system can be put in the **concrete screed** or can directly be placed in the **concrete**. This system can also be used for mounting or can be dissimulated in a **suspended ceiling**.

Specifications

- Stable metal collectors and channels with cataphoretic coating (KTL coating)
- The collectors are equipped with air conductors:
 - Fewer pressure losses and turbulence = less consumption
 - Sound dampening
- Flexible pipes with smooth inner wall made of pure PE, antistatic and antibacterial treated

Composition

- These **flat metal ducts** are coated with a **special layer of lacquer** to resist to the acidity of concrete and cement screed so that they can withstand the test of time. Metal ducts are used to resist to the “brutal force” of a construction site without any problems, as where synthetic ducts are often damaged or destroyed.
- The **double-walled flexible ducts** are especially made out of **antistatic PE** (polyethylene) so that there is no bad influence on the air quality (**antibacterial**). Besides, they attenuate the sound considerably and absorb eventual noises that can be produced by the motor thanks to the choice of the material and the fact that they are put into the concrete or the cement screed.
- The necessary air flows are obtained by using 2,3,4 or 5 of these flexible ducts.

Text for tender

- The ventichape system is an airtight pipe system developed for pulsation and extraction purposes of C and D systems in domestic ventilation. The system is designed to provide highly flexible air ducting in the concrete layer or covering layer of the floors or in spaces with limited installation height such as light walls and ceilings with minimal disruption and conflicts with other techniques. Energetically, the system distinguishes itself by using a combination of fixed tubes and flexible pipes, so that the pressure loss of the pipework remains very limited. The system is built around delivery pipes made of galvanized steel spiral duct, coming from the ventilation unit and connected to by-collectors. These sub-collectors are connected by rectangular pressure-resistant ducts to centrally located main collectors that serve for the air distribution to the various rooms in the home. Black internally smooth round ventilation ducts provide the flexible connection between the main collectors and subcollectors in which the valves or diffuser can be placed directly or with a connecting duct. These subcollectors are equipped with air conductors to limit pressure loss. All materials of the ductwork with the exception of the spiral duct are incorporated

into the concrete or screed of the floor and are made from corrosion-resistant or treated materials. The collectors and rectangular pipes have a KTL coating and flexible hoses and couplings made of black PE. The channels and moldings have been pressure-tested, so that the stability of the floor is maintained. The ventichape system is available in 3 types with associated accessories and built around the PE pipes of 50, 70 and 90 mm, selected according to the available space. And was tested to airtightness class C according to EN 12237, EN 1507 and EN 12599.

■ ATC type **Ventichape**

