

LAVANTUS®

specially developed for the underground installation

Supported by:



Federal Ministry
for Economic Affairs
and Climate Action

To some extent the requirements for a duct for the underground air transport are different to air duct systems which are installed above ground. In order to meet the demands of these differences, we have developed a new patented production process to bring a brand new product to the market: the LAVANTUS® air duct especially for underground installation.



The Rotafusion unit, developed by VENTAFLEX®. The method is patented and the product, LAVANTUS®, is “made in Germany”.

While underground installed air ducts generally have two benefits – they do not take any room in the building and are simply invisible – there are other aspects to consider. Thus the ducts should have great stability and be comfortably installed in the ground at the same time; here e.g. an easily-handled weight is an advantage.

An underground installed system has to work highly reliably, stay tight and clean. Here not only the material of the duct has to fulfill a special task, also the supplies (connecting clamps, wall ducts) have to be thoroughly chosen and tested.

With LAVANTUS® we have designed an air duct for the installation in the ground, which is exactly tailored to the special requirements and has an attractive effect on the cost structure of every construction project. The cost saving is also sustainable: great energy efficiency supports the contemporary economical operation of largely dimensioned AC systems.

At a glance:

benefits of the LAVANTUS® air duct installed underground

Cost efficiency

Best price-performance ratio of current systems on the market!
Clearly lower investment- and operation costs than for all alternatives

Stability

The Rotafusion Method produces a product with great stability: the ducts are robust against weight load and allow the installation even under traffic load

Tightness

Air ducts and connections stay reliably tight and are specially designed for the underground installation

LAVANTUS®

VENTAFLEX® air duct
for underground installation

Insulation

The excellent insulation effect avoids condensate formation and saves energy costs

Hygiene

Smooth surfaces avoid that contamination sticks to them. There is no breeding ground for bacteria because condensate is avoided: VDI 6022-conform!

Installation

The self-explanatory installation and the comparably low weight of the system allow a comfortable transport and a quick and cost-saving installation of the system

Cleaning

Easiest cleaning by broom and brush robot. Also the duct surface is resistant against industrial cleaning agents and disinfectants