

VENTAFLEX[®]
INNOVATION



LAVANTUS[®]

VENTAFLEX[®] air duct
for underground installation

VENTAFLEX® revolutionizes air ducts for underground installation

Especially for air ducts for underground installation there are only a handful of hardly convincing solutions at the market – often ducts are installed, which were originally designed for other areas of application. Compromises with regard to handling, hygiene, insulation and, finally, costs are planned at all times.

VENTAFLEX® air ducts have often been a popular used alternative for many years – we have decided to make this product even better: With LAVANTUS® we have designed an air duct especially for the underground installation.

VENTAFLEX® tackles the task

Many discussions with customers and experts of different technologies some years ago were the start of an unprecedented development work in this area.

Based on collected information we were able to precisely formulate which claims are made to an air duct for underground installation from different perspectives. Next to economical and logistical aspects, four criteria were always mentioned: **solid material** for a high weight load, e.g. car traffic, **reliable tightness** in the ground, good **hygienic** properties and the **availability of big diameters**, in order to be able to transport substantially more air.

No existing system on the market has fulfilled these tasks so far.

From here on the objective was clear:

We from VENTAFLEX® are going to develop exactly this product fulfilling all the mentioned conditions.



The “child” has a name: LAVANTUS®

Countless material and application tests followed, which led to the development of the absolute

unique, patented Rotafusion Method. LAVANTUS® is produced on a specially designed unit in Germany. The innovative air duct, especially developed for underground installation offers completely new perspectives for many project-related applications.

The characteristics of the material, the customized supplies and the constant short-term support stand for a significant benefit for the realization of big construction projects.

LAVANTUS® – particularly designed for underground installation

Certifications

VDI 6022
SWKI VA104-01
DIN EN ISO 846
DIN EN 15780
DIN EN 12097
DIN EN 13403

Stability

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

Tightness

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

Cost efficiency

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

Insulation

The excellent insulation effect avoids condensate formation and saves energy costs

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

LAVANTUS®

VENTAFLEX® air duct
for underground installation

Cleaning

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

Hygiene

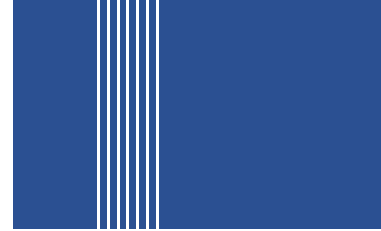
Smooth surfaces avoid that contamination sticks to them. There is no breeding ground for bacteria, because condensate is avoided: VDI 6022-certified!



Other features

- no toxic coatings
- free from toxic biocides/fungicides
- solvent-free
- silicone-free
- particularly low in emissions
- corrosion-resistant
- free of halogenated propellants
- no exposed sealing compounds
- no abrasion at the usual air velocities

LAVANTUS® Series

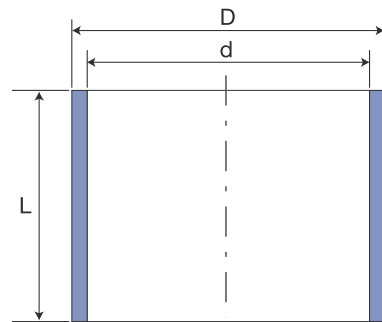


VENTAFLEX®

More efficiency in air conduction

LAVANTUS® – air duct for underground installation round		
Nominal diameter d mm	D mm	L mm
200	270	3000
250	320	3000
300	370	3000
355	455	3000
400	500	3000
500	600	3000
600	700	3000
710	810	3000
800	900	3000
900	1000	3000
1000	1100	3000
1250	1370	3000

L = length
d = nominal diameter
D = outside diameter



LavantusGrip cuff



LAVANTUS® ring seal



LAVANTUS® end stopper



LAVANTUS® closing ring

Supplies

- **LavantusGrip cuff**
with stable rubber ring and 4 stainless steel straps for the connection of the air ducts for underground installation. The cuff ensure ideal tightness of the air ducts. Especially easy and secure installation
- **Ring seal**
for the leading of the air ducts through masonry, walls and base plates
- **End stopper**
- **Closing ring**

Moulded parts

- Curve 90°
46° to 90° curves possible upon request
- Curve 45°
5° to 44° curves possible upon request
- T-piece 90°
- T-piece 45°
- Reduction symmetric
- Y-piece

The construction of individual components is possible upon request

Service

We would like to support you in planning and present our new products to you. We prepare an individual offer and would like to answer all product-relevant questions.

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