

VENTAFLEX® air duct in the hygiene sector

**Tightness and smooth surfaces at air duct systems
– an inseparable couple for clean air**



VENTAFLEX®

More efficiency in air conduction

*Installation in an outdoor scaffold:
Ventilation of an industrial bakery in Wittenberg
Total volume of 537.000 m³, overall 1000 m oval ducts*



*Indoor installation:
Clean air for a production hall for
hygienic packaging.
Total volume of 110.000 m³,
spread over 400 m ducts*



Application areas for hygienic air supply with VENTAFLEX® air ducts:

Food industry

- Bakery business
- Meat-processing industry
- Dairies
- Breweries
- Beverage manufacturers

Public areas

- Rehabilitation clinics
- Social facilities
- Retirement homes
- Swimming pools
- Sports facilities

Production plants

- Laboratories and institutions
- High Tech industry
- Engineering
- Chemical industry
- Pharmaceutical industry

*Installation on an outdoor hall roof:
Fresh air for meat- processing in the Netherlands
Volume: 50.000 m³, spread over more than 100 m ducts*



A large number of large-scale projects were realized with insulated VENTAFLEX® air duct systems in the last decades. Our experienced team would like to support you with your ventilation concept.



Clean air

in sensitive areas

In many hygienic-relevant sectors, like the food industry, rehabilitation clinics or swimming pools, hygiene plays a very special role. The VENTAFLEX® insulated air ducts have clean room character due to their material characteristics. They meet highest hygienic demands and are certified for this.

VENTAFLEX® air ducts have a clean, smooth and discreet appearance. The smooth surfaces avoid adhesions, are easy to clean and minimize the friction losses for a hygienic air flow.

Please note:
VENTAFLEX® offers special supplies for the installation in the hygiene sector.

At a glance: Hygiene advantages of VENTAFLEX® ventilation systems

especially hygienic
certified: VDI 6022

germ-resistant/low germ contamination

avoids condensate due to high insulation value

WLG 022

little deposit on smooth GRP-surface

GRP-surfaces are resistant against cleaning agents certified

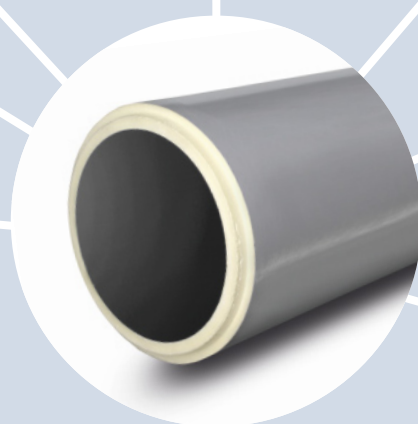
geprüft nach EN 13401

excellent tightness, locks out germs

EN 16798-3 class ATC2/
tightness class D

easy cleaning

low care- and maintenance effort saves costs and time



Active climate protection

due to tightness VENTAFLEX® air ducts

Climate protection is one of the big issues of this time. One important aspect here are possible energy savings potentials.

At the VENTAFLEX® air ducts a number of effects are inseparably linked: Ideal hygiene characteristics and effectiveness of the system guarantee an economical operation which complies with the strict requirements – and this with a good environmental conscience.

Avoid germ development ...

According to VDI 6022 page 1 the avoidance of leakage as well as the prevention of unplanned moisture due to entry or condensation is relevant for the supply air quality. All ducts are to be planned and carried out so that an unintentional admixture of air is avoided. The tighter a duct system is, the more hygienic the air guidance and therefore the supplied air is.

... and save energy

At the same time tightness is one of the most important aspects when dealing with energy efficiency. For installations with high demands on energy efficiency and hygiene the tightness class ATC 2 (former D) is applied.

The right decision for a good climate: the VENTAFLEX® system

VENTAFLEX® air ducts exceed the requirements of tightness class ATC 2 by far – without any additional measures.

Because of the application of VENTAFLEX® air ducts a leakage of a air conduction system can be reduced up to 99 % compared to conventional systems. Moreover less fan output is needed at a tight air conduction system, which leads to long-term savings of energy and thus operating costs.



VENTAFLEX®
More efficiency in air conduction

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Certified for the hygiene sector

Befor marketing VENTAFLEX® products have to meet extensive test. After going through different in-house test procedures, independant institutes are assigned to test the ducts on highest quality demands. Again it is the special characteristics of the VENTAFLEX® air ducts that allow a certification in the hygiene sector. Now also „signed and sealed“.



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VENTAFLEX®

Hygiene sector

Supplies-system

Matched and certified for
hygiene applications according to VDI 6022



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More efficiency in air conduction



Personal consulting at VENTAFLEX® under +49 (0) 2505 - 93 829-0



VentaFit-6022



VentaFit-6022 was checked on the requirements on microbial inertness from the VDI 6022 and is certified for it – exactly like our air ducts.

Quantity	Item no.	Price €/per piece
400 ml	0030015001	16,00

Price group 5

Material requirements

The required amount of glue depends on the number of connection points – and of course on the diameter or rather the form of the duct. On the basis of the chart the expected quantity can be calculated, which can be produced by one bag.



Tubular bag press

Especially for tubular bags with 400 ml or 600 ml

Quantity	Item no.	Price €/per piece
1	0030019001	54,00

Price group 5

Hygiene protective packaging

Upon request our products can additionally be packaged with special VDI-conform self-adhesive foil. You receive the costs for this hygiene packaging upon request.



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Series oval	Inside dimension oval	Number of adhesion- or rather connection points, which can be produced with one tubular bag		Series round
		oval	round	
500	520/770	2	7	250
	520/1020	2		
	520/1270	1		
	520/1520	1		
630	650/900	2	5	400
	650/1150	1		
	650/1400	1		
	650/1650	0,75		
710	730/980	1	4	500
	730/1230	1		
	730/1480	0,75		
	730/1730	0,75		
800	820/1070	1	3	630
	820/1320	0,75		
	820/1570	0,75		
	820/1820	0,5		
900	920/1170	0,75	2	800
	920/1420	0,75		
	920/1670	0,5		
	920/1920	0,5		
1250	1270/1520	0,5	0,5	1250
	1270/1770	0,5		
	1270/2020	0,25		
	1270/2270	0,25		

Attention! When using dangerous respirable dust can occur. Do not breath in the dust!
As of 24.08.2023 before an industrial or commercial application an according training has to be made.

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