

Inspected efficient | Certified for the hygiene sector

TIGHTNESS CLASS D+: MORE THAN FULFILLED!



HIGHLY EFFICIENT AIR CONDUCTION FOR COMPLEX SYSTEMS



VENTAFLEX®
More efficiency in air guidance

Inspected high performance

VENTAFLEX® air ducts excel the strict requirements of the tightness classes by up to 99 %



New legal requirements, increasing energy prices and other exterior conditions consistently challenge the Research and Development department at VENTAFLEX®: VENTAFLEX® products are permanently advanced meeting the latest technological standards – successfully.

Energy efficiency: Minimum and optimum

The requirements for hygiene and energy efficiency of technical room air installations are increasingly growing. According to EN 13779:2007 class B is the general minimum requirement for air ducts and class C is even the recommended minimum class in many cases. For installations with high requirements to hygiene and energy efficiency the tightness class D is applied.

Inspected quality for a good performance

VENTAFLEX® products measure up to the challenging requirements of tightness class D with greatest reliability. Before commercialization every VENTAFLEX® innovation runs through a great number of internal tests as well as inspections and certifications by independent and public institutions.

Great responsibility

The planer decides on the selection of the obstructed system

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According to VDI 6022 Bl. 1:2006 the avoidance of leaks as well as the prevention of unplanned moisture by entry or condensation significantly determines the quality of the incoming air and is already specified by the planning to the greatest possible extent.

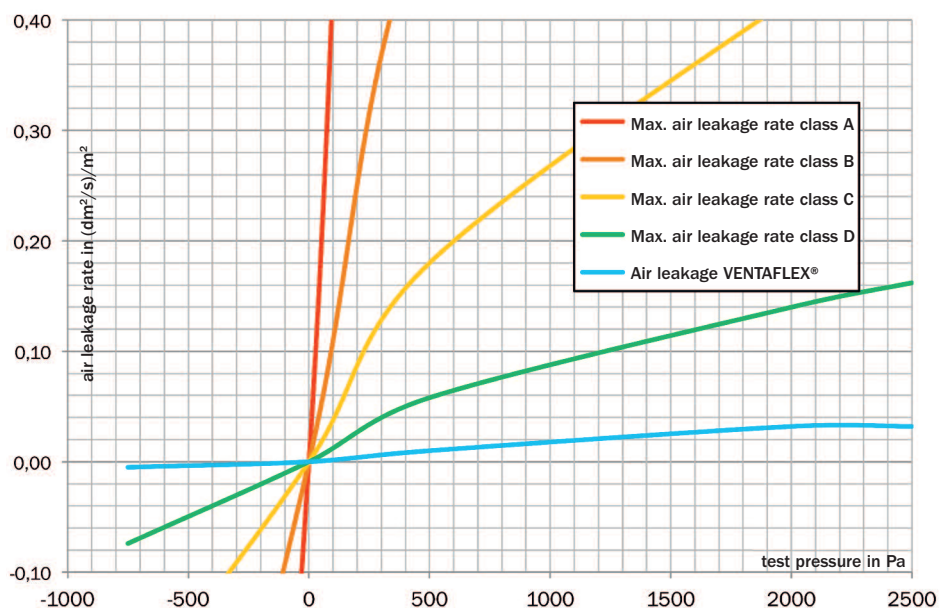
All air ducts are to be planned and realized in a way that the addition of unintentional air is to be avoided. According to table 5 of the VDI 6022 Bl. 1:2006 the prior responsibility of the hygiene conform components rests with the planer.

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CONCLUSION

The VENTAFLEX®-solution is certainly the right choice.

HIGHLY EFFICIENT AIR DUCTS FOR COMPLEX SYSTEMS



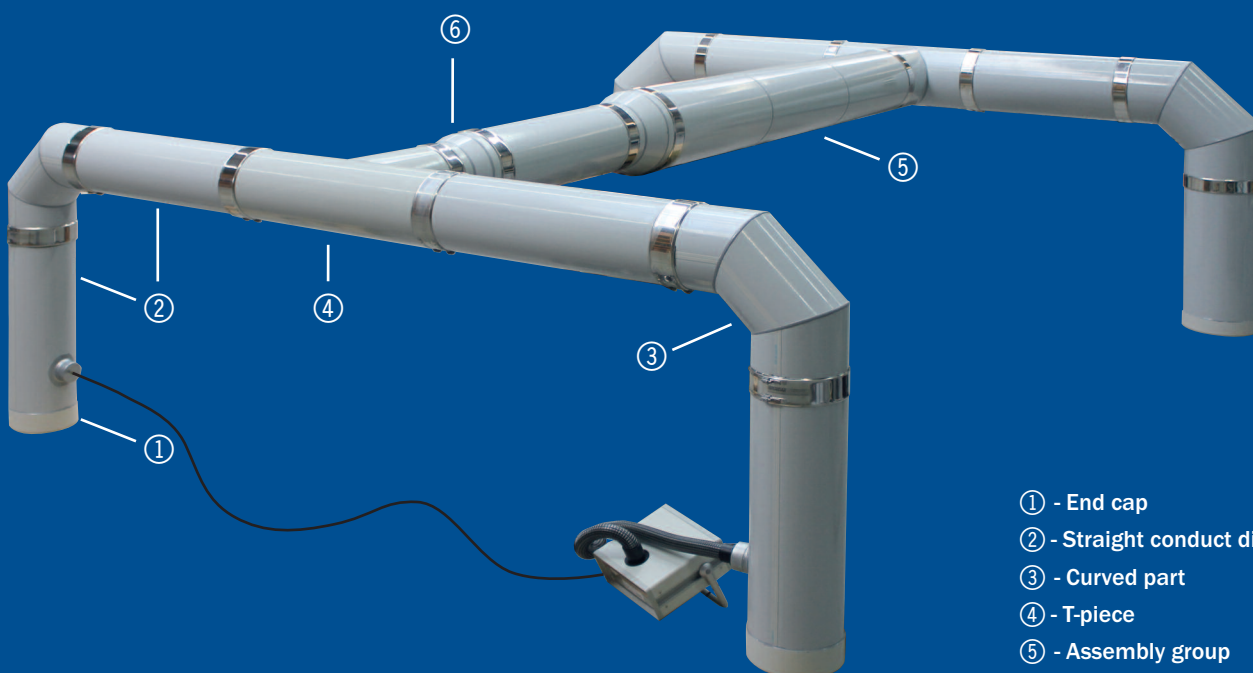
Air leakage rate as a function of test pressure in dependence on DIN EN 12237

Tightness thanks to VENTAFLEX®

The outstanding tightness of VENTAFLEX® air ducts is only achieved by the innovative VentaSnap® connecting bracket. Therefore in most applications the use of additional glue and sealants is completely omitted.

Test pressure	Leakage volume flow	Air leakage rate	Max. air leakage rate according to DIN 12237			
			A	B	C	D
Pa	m ³ /h	(dm ³ /s)/m ²	(dm ³ /s)/m ²	(dm ³ /s)/m ²	(dm ³ /s)/m ²	(dm ³ /s)/m ²
-751	-0,36	-0,005	-1,998	-0,666	-0,222	-0,074
2001	2,196	0,032	3,777	1,259	0,42	0,14
2499	2,196	0,032	4,364	1,455	0,485	0,162

Test set up



- ① - End cap
- ② - Straight conduct different lengths
- ③ - Curved part
- ④ - T-piece
- ⑤ - Assembly group
- ⑥ - Reduction



04/2018

For further information please download the complete TÜV Nord test report „SEIT/2012/16“ on our website!
 —> https://www.ventaflex.de/fileadmin/downloads/2017-01-10_16_2012_VENTAFLEX_Bericht_NaM_REV_1.pdf

Call us!

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Or send us the scanned filled in formular by mail or fax

- ☐ Please send me further information
- ☐ Please contact me
- ☐ I need object-oriented advice
- ☐ Please send me a nonbinding offer, inquiry enclosed

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