

Air Excellent Ventilation System



Declaration Quality mark TÜV SÜD

Thomas Hohmann

28.10.2016

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The Air Excellent air distribution system is ductwork to distribute air for central mechanical ventilation systems with and without heat recovery used to ventilate residential and commercial buildings.

Material	Semi-rigid ventilation ducts in PE outer and PE inner layer Connecting parts and accessories in PP
Colors	Green, Red and Grey
Product range	Semi-rigid ducts and components Round shaped ducts: AE23C DN63/52 AE34C DN75/63 AE48C DN90/75 Semi Circular shaped ducts: AE35SC 50 x 100 mm AE45SC 50 x 140 mm AE55SC 60 x 130 mm Components: 90° bends (horizontal and vertical) Valve adaptors Connectors Distribution box and adaptors
Special	Antistatic properties Microbial resistant
Environment	No migration of harmful substances or ingredients
Remark	System certified by TÜV SÜD  

Property	Value	Test basics
Working pressure	Working pressure between: -2000 Pa and +2000 Pa	TÜV SÜD TAK 01-2013
Air tightness	AE23C, AE34C, AE48C, AE25SC and AE55SC: Class D AE45SC: Class C in the range of -2000 Pa to +2000 Pa	TÜV SÜD TAK 01-2013
Pressure losses	see Air Excellent Technical Data Sheets	TÜV SÜD TAK 01-2013
Temperature range	Maximum operating temperature: +60°C Minimum operating temperature: -20°C	TÜV SÜD TAK 01-2013
Reaction to fire	Class E	EN 13501-1
Resistance against external pressure (concrete height)	All duct types: 200 mm	TÜV SÜD TAK 01-2013
Ring stiffness	Round shaped ducts: AE23C 10,83 kN/m ² AE34C 7,85 kN/m ² AE48C 7,75 kN/m ² Semi Circular shaped ducts: AE35SC 11,08 kN/m ² AE45SC 1,33 kN/m ² AE55SC 5,85 kN/m ²	TÜV SÜD TAK 01-2013
Bending radii	see Air Excellent Technical Data Sheets	TÜV SÜD TAK 01-2013
Mechanical connections	10m duct length	TÜV SÜD TAK 01-2013
Flexibility	Bendable without tools	TÜV SÜD TAK 01-2013

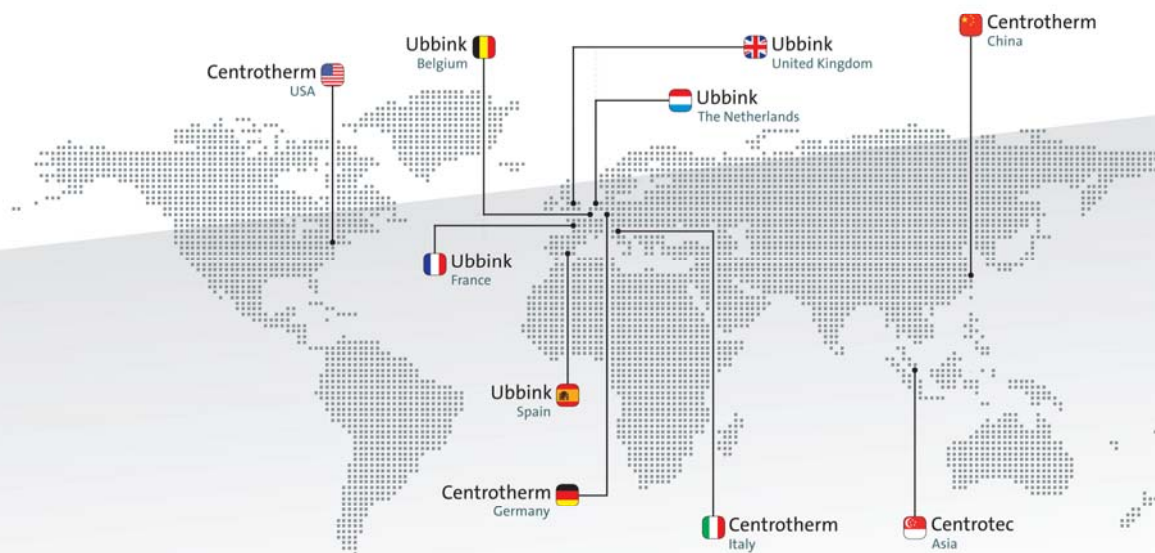
Property	Value	Test basics
Bending stiffness	2m distance between supports	TÜV SÜD TAK 01-2013
Microbial resistance	99,99 % of bacteria died after 72 h	ISO 22196
Food compatibleness	No volatile (harmful) substances release to endanger human health	TÜV SÜD TAK 01-2013
Antistatic properties	Surface resistance $< 10^{12}$ Ohm	TÜV SÜD TAK 01-2013

On behalf of the manufacturer

Brilon, October 28 – 2016


Thomas Hohmann
Norms and Approval Officer
Ubbink/Centrotherm Group

Ubbink
Centrotherm
group



Ubbink Netherlands

www.ubbink.nl

Ubbink Belgium

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Centrotherm China

www.centrotherm-china.com

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Industrie Service

Herewith is granted the right to the company

Centrotec Sustainable AG

in

D-59929 Brilon

based on the positive results of a complete test
in accordance with the TÜV SÜD Standard

TAK 01-2013

to label the finished air duct system
with the type designation

„Air Excellent“,

made in the manufacturing plant

Verhuellweg 9

NL-6984 Doesburg

and

Am Patbergschen Dorn 9

D-59929 Brilon

with the following TÜV SÜD Certification Mark.



This certificate is valid until 2018-03-31

Certificate registration number: 13/22/02


Test and Certification Body
Kälte- und Klimatechnik
Munich, 2017-03-31



The certificate is only valid in conjunction with the following appendix, consisting of two pages



List of components 1 to the air duct „Air Excellent“

Art.-Nr.	Description	Size
100000188305	Connector Cover	AE35
100000188309	Connector Distr. Box	AE35
100000188311	Air restrictor	AE35
100000188308	Floor Grill Adaptor	AE35
100000188304	Bend Horizontal	AE35
100000188303	Bend Vertical	AE35
100000188306	Connector Flex-Flex	AE35
100000188321	Fixing Bracket	AE35
100000188300	Valve Adaptor 90°	AE35
100000188302	Seal	AE35
201100000837	Flex Pipe 100x50	AE35
100000188155	Connector Cover	AE55
100000188159	Connector Distr. Box	AE55
100000188161	Air restrictor	AE55
100000188158	Floor Grill Adaptor	AE55
100000188154	Bend Horizontal	AE55
100000188153	Bend Vertical	AE55
100000188156	Connector Flex-Flex	AE55
100000188121	Fixing Bracket	AE55
100000188164	Valve Adaptor 180°	AE55
100000188150	Valve Adaptor 90°	AE55
100000188152	Seal	AE55
201100003142	Flex Pipe 130x60	AE55
100000188310	Valve Adaptor 180° with reducer	AE55
100000188345	Connector Cover	AE23
100000188349	Connector Flex-Flex	AE23
100000188341	Valve Adaptor 90°	AE23
100000188390	Click Ring	AE23
100000188172	Bend 90°	AE23
201100004187	Flex Pipe DN63/52	AE23
100000188580	Distribution Box DB824	AE
100000188581	Distribution Box DB816	AE
100000188583	Distribution Box BD808	AE
100000188646	Distribution Box BD208	AE
100000188644	Distribution Box BD206	AE





List of components 2 to the air duct „Air Excellent“

Art.-Nr.	Description	Size
100000188343	Adapting Bend AE35sc	AE34
100000188346	Connector Cover	AE34
100000188397	Floor Grill Adaptor	AE34
100000188350	Connector Flex-Flex	AE34
100000188342	Valve Adaptor 90°	AE34
100000188391	Click Ring	AE34
100000188173	Bend 90°	AE34
201100004190	Flex Pipe DN75/63	AE34
100000188381	Connector Cover	AE48
100000188365	Connector Flex-Flex	AE48
100000188380	Valve Adaptor 90°	AE48
100000188392	Click Ring	AE48
100000188174	Bend 90°	AE48
201100004192	Flex Pipe DN90/75	AE48
100000188557	Connector Cover	AE45
100000188562	Adapting Bend 2xAE34c	AE45
100000188556	Connector Distr. Box	AE45
100000188560	Floor Grill Adaptor	AE45
100000188559	Bend Horizontal	AE45
100000188558	Bend Vertical	AE45
100000188551	Connector Flex-Flex	AE45
100000188561	Valve Adaptor 90°	AE45
100000563021	Air restrictor 13 rings	AE
20-1100006592	Damper 13 positions	AE



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