

# CERTIFICATE

No.: TM 61000595.002



## License holder

Kennemer Schagen Industries B.V.  
Lagedijkerweg 15  
1742 NB Schagen The Netherlands  
P.O. Box 51, 1740 AB Schagen

## Manufacturing Plant

Air Spiralo Poland Sp. z o.o.  
St. Składowa 5  
64-500 Szamotuły – Poland

## Project number

26100650

## Our reference

SD/84957876

## Period of validity

from 11.03.2022 to 10.03.2027

## Basis of research

- NEN-EN 1506:2007 - Ventilation for buildings - Sheet metal air ducts and fittings with circular cross-section - Dimensions
- NEN-EN 12237:2003 - Ventilation for buildings - Ductwork - Strength and leakage of circular sheet metal ducts
- NEN-EN 10346:2015 - Continuously hot-dip coated steel flat products for cold forming - Technical delivery conditions

**TÜV Rheinland Polska Sp. z o.o. declares that the product described below meets the requirements contained in the reference documents:**

Ventilation elements with coating Z275

(Details in the attachment to the certificate.)

## TÜV Rheinland Polska Sp. z o.o.

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41-800 Zabrze, Polska  
Tel.: +48 32 271 64 89  
e-mail: post@pl.tuv.com

Certification body

  
Tomasz Opaszowski

Zabrze, 11.03.2023

This certificate is subject to the Certification Terms and Conditions and the JCW TRP General Transaction Conditions and applies only to the products that are compliant with the standard used for compliance assessment. This certificate alone does not entitle the holder to affix the CE mark.  
This certificate entitles the holder to affix the product with the TUV mark



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## Annex to certificate

TM 61000595.002

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Product Ventilation elements with coating Z275



Name	Item	Designation of diameter	Diameter range [mm]	Tightness class according NEN-EN 12237:2003
PRESSED BEND 15°	GB1.000	008-025	80-250	class C - ATC3
PRESSED BEND 15° WITH KEN-LOK	GB1.000K	008-025	80-250	class D - ATC2
PRESSED BEND 30°	GB3.000	008-025	80-250	class C - ATC3
PRESSED BEND 30° WITH KEN-LOK	GB3.000K	008-025	80-250	class D - ATC2
PRESSED BEND 45°	GB4.000	008-025	80-250	class C - ATC3
PRESSED BEND 45° WITH KEN-LOK	GB4.000K	008-025	80-250	class D - ATC2
PRESSED BEND 60°	GB6.000	008-025	80-250	class C - ATC3
PRESSED BEND 60° WITH KEN-LOK	GB6.000K	008-025	80-250	class D - ATC2
PRESSED BEND 90°	GB9.000	008-025	80-250	class C - ATC3
PRESSED BEND 90° WITH KEN-LOK	GB9.000K	008-025	80-250	class D - ATC2
SEGMENTED BEND 15°	RB1.000	025-063	250-630	class C - ATC3
SEGMENTED BEND 15° WITH KEN-LOK	RB1.000K	025-063	250-630	class D - ATC2
SEGMENTED BEND 30°	RB3.000	025-063	250-630	class C - ATC3
SEGMENTED BEND 30° WITH KEN-LOK	RB3.000K	025-063	250-630	class D - ATC2
SEGMENTED BEND 45°	RB4.000	025-125	250-1250	class C - ATC3
SEGMENTED BEND 45° WITH KEN-LOK	RB4.000K	025-125	250-1250	class D - ATC2
SEGMENTED BEND 60°	RB6.000	025-063	250-630	class C - ATC3
SEGMENTED BEND 60° WITH KEN-LOK	RB6.000K	025-063	250-630	class D - ATC2
SEGMENTED BEND 90°	RB9.000	025-125	250-1250	class C - ATC3
SEGMENTED BEND 90° WITH KEN-LOK	RB9.000K	025-125	250-1250	class D - ATC2
PRESSED REDUCER MALE - MALE	GV000.000	010-031.008-025	100-315.80-250	class C - ATC3
PRESSED REDUCER MALE - MALE WITH KEN-LOK	GV000.000K	010-031.008-025	100-315.80-250	class D - ATC2
PRESSED REDUCER MALE - FEMALE	GVH000.000	010-031.008-028	100-315.80-280	class C - ATC3
PRESSED REDUCER MALE - FEMALE WITH KEN-LOK	GVH000.000K	010-031.008-028	100-315.80-280	class D - ATC2

Certification body

Tomasz Opaszowski



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**Annex to certificate**

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Product

Ventilation elements with coating Z275

Name	Item	Designation of diameter	Diameter range [mm]	Tightness class according NEN-EN 12237:2003
PRESSED END CAP MALE FOR DUCT	DB000	010-031	100-315	class C - ATC3
PRESSED END MALE CAP FOR DUCT WITH KEN-LOK	DB000K	010-031	100-315	class D - ATC2
END CAP MALE FOR DUCT	DBS000	035-063	355-630	class C - ATC3
END CAP MALE FOR DUCT WITH KEN-LOK	DBS000K	025-125	250-1250	class D - ATC2
END CAP FEMALE FOR FITTING	DHS000	025-125	250-1250	class D - ATC2
PRESSED COLLAR SADDLE	ZR000	008-031	80-315	class C - ATC3
PRESSED COLLAR SADDLE WITH KEN-LOK	ZR000K	008-031	80-315	class D - ATC2
PRESSED COLLAR SADDLE	ZR000.000-000	008-031.010-060--011-063	80-315.100-600-110-630	class C - ATC3
PRESSED COLLAR SADDLE WITH KEN-LOK	ZR000.000-000K	008-031.010-060--011-063	80-315.100-600-110-630	class D - ATC2
REDUCER MALE	V000.000	012-125.008-112	125-1250.80-1120	class C - ATC3
REDUCER MALE WITH KEN-LOK	V000.000K	012-125.008-112	125-1250.80-1120	class D - ATC2
END RING	ER000	008-125	80-1250	class C - ATC3
END RING WITH KEN-LOK	ER000K	008-125	80-1250	class D - ATC2
TAKE-OFF FOR DUCT	FLB000	008-050	80-500	class C - ATC3
TAKE-OFF FOR DUCT	FLB000.00	008-016.40-70	80-160.40-70	class C - ATC3
TAKE-OFF FOR DUCT WITH KEN-LOK	FLB000K	008-125	80-1250	class D - ATC2
TAKE-OFF FOR FITTING	FLBH000	008-125	80-1250	class D - ATC2
TAKE-OFF FOR FITTING	FLBH000.00	008-030.40-110	80-300.40-110	class D - ATC2

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Name	Item	Designation of diameter	Diameter range [mm]	Tightness class according NEN-EN 12237:2003
COUPLING MALE	SV000	008-125	80-1250	class C - ATC3
COUPLING MALE WITH KEN-LOK	SV000K	008-125	80-1250	class D - ATC2
T-PIECE 90°	RT9.000	008-031	80-315	class C - ATC3
T-PIECE 90°	RT9.000.000	010-063.008-031	100-630.80-315	class C - ATC3
T-PIECE 90° WITH KEN-LOK	RT9.000K	008-031	80-315	class D - ATC2
T-PIECE 90° WITH KEN-LOK	RT9.000.000K	010-063.008-031	100-630.80-315	class D - ATC2
FLATSHOE	FLBF000	010-063	100-630	class C - ATC3
FLATSHOE WITH KEN-LOK	FLBF000K	010-063	100-630	class D - ATC2
CURVED BOOT	ZSCB000.000	010-050.010-063	100-500.100-630	class C - ATC3
CURVED BOOT	ZSCB000.000-000	010-025.015-050-016-063	100-250.150-500-160-630	class C - ATC3
CURVED BOOT WITH KEN-LOK	ZSCB000.000K	010-050.010-063	100-500.100-630	class D - ATC2
CURVED BOOT WITH KEN-LOK	ZSCB000.000-000K	010-025.015-050-016-063	100-250.150-500-160-630	class D - ATC2
COUPLING FEMALE	SVH000	008-125	80-1250	class D - ATC2
T-PIECE 90°	T9.000	025-125	250-1250	class C - ATC3
T-PIECE 90° WITH KEN-LOK	T9.000K	025-125	250-1250	class D - ATC2
T-PIECE 45°	T4.000	025-125	250-1250	class C - ATC3
T-PIECE 45° WITH KEN-LOK	T4.000K	025-125	250-1250	class D - ATC2

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Name	Item	Designation of diameter	Diameter range [mm]	Tightness class according NEN-EN 12237:2003
REVERSE T-PIECE 90°	NT9.000.000	008-080.010-090	80-800.100-900	class C - ATC3
REVERSE T-PIECE 90° WITH KEN-LOK	NT9.000.000K	008-080.010-090	80-800.100-900	class D - ATC2
ASYMMETRICAL REDUCER MALE	AV000.000	010-063.008-050	100-630.80-500	class C - ATC3
ASYMMETRICAL REDUCER MALE WITH KEN-LOK	AV000.000K	010-063.008-050	100-630.80-500	class D - ATC2
ACCESS DOOR WITH EDGE PROTECTION	ADCHR000B	008-050	80-500	class D - ATC2
ACCESS DOOR WITH EDGE PROTECTION WITH KEN-LOK	ADCHR000K	008-050	80-500	class D - ATC2
ROOF JET COWL	DK000	010-125	100-1250	NOT APPLICABLE
COUPLING MALE LONG	SVL000	008-125	80-1250	class C - ATC3
COUPLING MALE LONG WITH KEN-LOK	SVL000K	008-125	80-1250	class D - ATC2
TAKE-OFF FOR DUCT	FLBS000	008-125	80-1250	NOT APPLICABLE
TAKE-OFF FOR DUCT WITH KEN-LOK	FLBS000K	008-125	80-1250	NOT APPLICABLE
MESH END	GS000	008-125	80-1250	NOT APPLICABLE
MESH END WITH KEN-LOK	GS000K	008-125	80-1250	NOT APPLICABLE
BIRD BREAK 45° WITH MESH END FOR DUCT	GS4.000	008-125	80-1250	NOT APPLICABLE
BIRD BREAK 45° WITH MESH END FOR DUCT WITH KEN-LOK	GS4.000K	008-125	80-1250	NOT APPLICABLE
CHINESE HAT	RH000	008-125	80-1250	NOT APPLICABLE
CHINESE HAT WITH MESH	RHG000	008-125	80-1250	NOT APPLICABLE

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