Alnor Systemy Wentylacji Sp. z o.o.
Aleja Krakowska 10, 05-552 Wola Mrokowska
tel.: + 48 22 737 40 00, fax.: + 48 22 737 40 04
e-mail: alnor@alnor.com.pl, www.alnor.com.pl

NATIONAL DECLARATION OF PERFORMANCE

No. 007/01/22

1. Name and trade name of the construction product:

   Ventilation fittings SPIRAL®system with circular cross-section made of stainless steel 1.4301/304 or 1.4404/316L, gasket system, nominal diameter: 80, 100, 125, 140, 150, 160, 180, 200, 224, 250, 280, 300, 315, 355, 400, 450, 500, 560, 600, 630, 710, 800, 900, 1000, 1120, 1250, 1400, 1500, 1600 mm.

2. Designation of construction product type:

   Ventilation fittings SPIRAL®system with circular cross-section made of stainless resistant steel 1.4301/304 or 1.4404/316L, gasket system: NSL-K, KILL-K, ILSVL-45-K, ILSL-K, ILPRL-K, ILPL-K, BSKL-K, BSDL-K, BSL-K, BPL-K, BPKL-K, BPKFL-K, BPDL-K, YSVL-45-K, TSVL-45-K, XSVL-45-K, TSCL-K, TSL-K, XSCL-K, XSL-K, TPCL-K, XPCL-K, TPCL-CP-R-K, SSCVL-45-K, SSL-K, SSCL-K, SSCFBL-K, SSCCBL-K, SPSL-K, SPL-K, SNSL-K, SMSFL-K, RSCFL-K, RSFCFL-K, RSFL-K, RSFFL-K, RSCLL-K, RSLL-K, RSCLFL-K, RSLFL-K, RPCL-K, RPCFL-K, ODSOL-K, CSL-K, CPSL-K, ILSNL-K, ASVL-K.

3. Intended use(s):

   Intended to be used for distribution air in ventilation and air conditioning installation inside buildings, including residential, collective residence and public utility buildings.

4. Manufacturer's name and registered office address and place of production:

   Alnor Systemy Wentylacji Sp. z o.o.
   00-719 Warsaw ul. Zwierzyniecka 8b, POLAND
   Tel.: + 48 22 737 40 00, Fax.: + 48 22 737 40 04
   Production place:
   05-522 Wola Mrokowska, Aleja Krakowska 10, POLAND

5. Authorized representative’s name and registered office address, if any:

   Not applicable.

6. The national system used to assess and verify the constancy of performance:

   System 3.

7. National technical specification:

   7a. Polish Product Standard: **not applicable.**
   Name of the accredited certification body, accreditation number and national certificate number or name of the accredited laboratory/laboratories and accreditation number): **not applicable.**

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7b. National technical assessment: **ITB-KOT-2019/1036 issue no 2, 2021**
Technical assessment unit/National technical assessment unit**:**
Instytut Techniki Budowlanej ul. Filtrowa 1, 00-611 Warsaw

8. Declared performance

Essential characteristics of the product for the intended use or uses	Declared performance	Comments
Reaction to fire	A2 according to PN-EN 13501-1:2019	
Dimensions	Dimensions and tolerance compatible	According to PN-EN 1506:2007
Wall thickness	Minimum wall thickness 0,5 mm	According to ITB-KOT-2019/1036
Strength	Not stated permanent deformation or unexpected change of tightness under perssure -750 + 2000 Pa according to PN-EN 12237:2005	
Durability	Stainless steel 1.4301/304 or 1.4404/316L	According to PN-EN 10088-1:2014
Tightness	To build ventilation duct system in a tightness class D according to PN-EN 12237:2005	

9. The performance of the product specified above is in accordance with all declared performance properties as listed in Section 8. This national declaration of performance is issued in accordance with the Act on construction products of 16 April 2004, under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by ((name and surname, position))

Wola Mrokowska, 03.01.2022

(issue place and date)

Piotr Grzechowiak
Senior research and certification specialist
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(signature)