

## NATIONAL DECLARATION OF PERFORMANCE

no. 010/03/23

1. Name and trade name of the construction product:

**ALNOR flow adjustment and shut-off dampers with circular cross sections and nominal diameters: 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 and rectangular cross sections with one side nominal sizes: 100-3000 mm.**

2. Designation of construction product type:

**ALNOR flow adjustment dampers made of galvanised sheet steel: DAR, DARL, DARM, DAR-CV, DARL-CV, DAR-PVC, DARL-PVC, GBL, DAS, DASL, DASM, DASML, DAS-B, DASL-B, DAS-CV, DASL-CV, DAS-PVC, DASL-PVC, DAP-CV, DAPL-CV, DSQ, DSQ-M, DASQ, DASQM, DASQL, DASQML, DSQOW, DSQW-C, DSQW.**

**ALNOR shut-off dampers made of galvanised sheet steel: DAT, DATL, DATM, DATML, DAOSL-IN, DAOS, DAOSL, DAOS-B, DAOSL-B, DATVTL, DATVTML.**

**ALNOR flow adjustment dampers made of stainless sheet steel: DAR-K, DARL-K, DARM-K, DAR-CV-K, DARL-CV-K, DAR-PVC-K, DARL-PVC-K, DAS-K, DASL-K, DASM-K, DASML-K, DAS-B-K, DASL-B-K, DAS-CV-K, DASL-CV-K, DAS-PVC-K, DASL-PVC-K, DAP-CV-K, DAPL-CV-K, DSQ-K, DASQ-K, , DASQM-K, DASQL-K, DASQML-K, DSQOW-K, DSQW-C-K, DSQW-K.**

**ALNOR shut-off dampers made of stainless sheet steel: DAT-K, DATL-K, DATM-K, DATML-K, DAOSL-IN-K, DAOS-K, DAOSL-K, DAOS-B-K, DAOSL-B-K, DATVTL-K, DATVTML-K.**

**ALNOR shut-off dampers made of aluminium: DSQW-A, DAS-A (DAS-PVC-A), DASL-A (DASL-PVC-A).**

3. Intended use(s):

**Intended to be used for adjustment or shut-off air flow in ventilation and air conditioning systems 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 Warszawa ul. Zwierzyniecka 8b, POLAND  
Tel.: + 48 22 737 40 00, Fax.: + 48 22 737 40 04  
Production place:  
05-522 Wola Mrokwowska, 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 4.**

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.**

7b. National technical assessment: **ITB-KOT-2021/1579 issue 2.**

Technical assessment unit/National technical assessment unit:

**Instytut Techniki Budowlanej ul. Filtrowa 1, 00-611 Warszawa**

8. Declared performance:

Essential characteristics of the product for the intended use or uses	Declared performance	Comments
Dimensions	Dimensional tolerances in <i>m</i> medium class	According to PN-EN 22768-1:1999
Aerodynamic characteristics	Specified according to PN-EN 1751:2014	
Casing air leakage	DASQ, DASQM, DASQL, DASQML, DSQW, DSQW-A - class A according to PN-EN 1751:2014	
	DSQ, DSQOW, DAOS-B, DAOSL-B – class B according to PN-EN 1751:2014	
	DAR, DARL, DAR-CV, DAR-PVC, GBL, DAS, DASL, DASM, DASML, DAS-CV, DASL-CV, DAS-PVC, DAP-CV, DAPL-CV, DSQW-C, DAT, DATL, DATM, DAOSL-IN, DAOS, DAOSL – class C according to PN-EN 1751:2014	
Closed blade air leakage	DAOSL-IN, DAOS, DAOSL, DAOS-B, DAOSL-B – class 1 according to PN-EN 1751:2014	
	DSQW-A – class 2 according to PN-EN 1751:2014	
	DAT, DATL, DATM, DATML – class 4 according to PN-EN 1751:2014	
Minimum torques	DASM, DASML – 2 Nm, DASQM, DASQML – 5 Nm for diameters ≤ 150 mm, 10 Nm for diameters > 150 mm, DATM, DATML- 2 Nm for diameters ≤ 150 mm, 5 Nm for diameters > 150 mm according to PN-EN 1751:2014	
	Corrosion-resistant steel 1.4301/304 and 1.4404/316L	to PN-EN 10088-1:2014

Durability with respect of aggressiveness corrosivity the environment	Aluminium type: EN AW-1050A H24 or EN AW-6060 T5	to PN-EN 573-3:2014 to PN-EN 515:2017
	Durability anticorrosive coat: zinc coating mass 275 g/m <sup>2</sup> , nominal zinc coating thickness 20 µm, durability zinc coating: C1/20 years, C2/20 years, C3/10 years.	to PN-EN 10346:2015 and PN-EN 9223:2012

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)



Piotr Grzechowiak  
Testing and certification coordinator

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(signature)

Wola Mrokowska, 13.11.2023

(issue place and date)