



DECLARATION OF CONFORMITY AND PRODUCT DESCRIPTION

EN 1856-1

Chimneys – Requirements for metal chimneys. Part 1: System chimney products

Manufacturer: **DINAK**
Camiño do Laranxo, 19. 36216, VIGO (ESPAÑA)

Product commercial name: **DIFLUX PELLETS**

Product description: Concentric double wall metal chimney for room-sealed appliances providing the flue gas outlet through the inner wall and the air supply through the outer wall

Name and function of the responsible person: Íñigo A. Canoa (General Manager)

Notified Body: **TÜV Industrie Service GmbH TÜV SÜD Gruppe**

Certificate number: **0036 CPD 90220 025**



Designations according to EN 1856-1:

0.1	Metal chimney 1.4404/316L	EN 1856-1	T450	N1	W	V2-L50040	G(120)
0.2	Metal chimney with seal 1.4404/316L	EN 1856-1	T200	P1	W	V2-L50040	O(50)

Product description	
Standard number	
Temperature level	
Pressure level	
Condensate resistance (W: wet; D: dry)	
Corrosion resistance and inner wall material	
Sootfire resistance (G: yes; O: no) and distance to combustible materials (in mm)	

Compressive strength
Up to 27 m. See Annex

Flow resistance
Inner roughness: 1 mm
(according to EN 13384-1
Standard)
Flow resistance coefficients ζ
according to EN 13384-1
Standard

Thermal resistance
0 m² K / W at reference
temperature

**Mechanical resistance and
stability**
Non vertical installation: maximum
deflection 90° and maximum
length of the slope 1 m.
Wind load resistance:
Maximum length between
supports 3 m.
Maximum length from the last
support 1,5 m. See Annex

Wet working conditions: Yes



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Designations according to EN 1856-1:

0.1	Metal chimney 1.4521/444	EN 1856-1	T450	N1	W	V2-L99040	G(120)
0.2	Metal chimney with seal 1.4521/444	EN 1856-1	T200	P1	W	V2-L99040	O(50)

Product description	
Standard number	
Temperature level	
Pressure level	
Condensate resistance (W: wet; D: dry)	
Corrosion resistance and inner wall material	
Sootfire resistance (G: yes; O: no) and distance to combustible materials (in mm)	

Compressive strength
Up to 27 m. See Annex

Flow resistance
Inner roughness: 1 mm
(according to EN 13384-1 Standard)
Flow resistance coefficients ζ
according to EN 13384-1 Standard

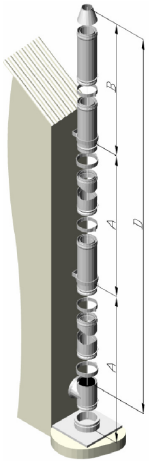
Thermal resistance
0 m² K / W at reference temperature

Mechanical resistance and stability
Non vertical installation: maximum deflection 90° and maximum length of the slope 1 m.
Wind load resistance:
Maximum length between supports 3 m.
Maximum length from the last support 1,5 m. See Annex

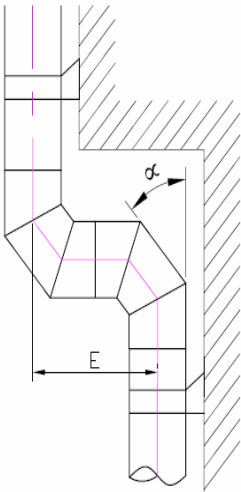
Wet working conditions: Yes

	Characteristics	Units	Ref. EN 1856-1	Values / Levels			Remarks
1.0	Nominal dimensions	mm	4, 5	80, 100, 130			See Annex
2.0	Inner/outer diameter			80/125, 100//150, 130/200			
3.0	Inner diameter (minimum)	mm	4, 5	78,4; 98,4; 128,4			
4.0	Inner wall material		4, 5, 6.5.2				
	Quality			1.4404 / 316L		1.4521 / 444	
	Nominal thickness (minimum thickness)	mm		0,4 (0,34)		0,4 (0,34)	
	Description according to EN 1856-1			L50040		L99040	
5.0	Outer wall material		4, 5, 6.5.2				
	Quality			1.4301 / 304		1.4404 / 316L	
	Nominal thickness (minimum thickness)	mm		0,4 (0,34)		0,4 (0,34)	
	Description according to EN 1856-1			L20040		L50040	
	Quality			1.4521 / 444	1.4509 / 441	1.4075 / 430	
	Nominal thickness (minimum thickness)	mm		0,4 (0,34)	0,4 (0,34)	0,4 (0,34)	
	Description according to EN 1856-1			L99040	L99040	L99040	
6.0	Insulation		7.2	None			
7.0	Seals		7.2				RP: IMQ-01SG00017
	Designation according to EN 14241-1 standard			EN 14241-1 T200 W 2 K2 I			
	Density	g/c m ³		1.20 ± 0.1			
	Hardness	ShA		55-60			
	Lengthening strength to 100%	N/m m ²		≥ 1.2			
	Tensile strength	N/m m ²		≥ 4.5			
	Permanent deformation	%		≤ 25			
	Nominal dimensions			80, 100, 130			
	Mechanical resistance and stability		6.1				
8.0	Compressive strength		6.1.1	Up to 27 m.			See Annex
9.0	Tensile strength		6.1.2	Up to 23 m.			See Annex
10.0	Wind load resistance		6.1.3.2	Maximum length from the last support: 1,5 m. Maximum length between supports: 3 m.			See Annex
	Non vertical installation		6.1.3.1				

	Characteristics	Units	Ref. EN 1856-1	Values / Levels	Remarks
11.0	Maximum deflection			90° (horizontal installation)	See Annex
12.0	Maximum length of the slope			1 m.	See Annex
13.1	Gas tightness		6.3	Pressure level: N1	
13.2	Gas tightness		6.3	Pressure level: P1	
14.1	Distance to combustible materials at T450 with sootfire	mm	6.2	120 (G120)	
14.2	Distance to combustible materials at T200	mm	6.2	50 (O50)	
15.0	Accidental human contact		6.4.2	Protection in the traffic area is not needed (back ventilated air gap between de inner wall and the outer wall)	
16.0	Thermal resistance	m ² K / W	6.4.3	0	
17.0	Condensate resistance		6.4.4, 6.4.5	Designation: W (wet)	
18.0	Resistance against rainwater penetration		6.4.6	Not apply (not insulated)	
	Flow resistance		6.4.7		
19.0	Mean value of roughness	mm	6.4.7.1	1 (according to EN 13384-1 standard)	
20.0	Coefficients of flow resistance for fittings		6.4.7.2	Values according to EN 13384-1 standard	
	Terminal				
21.0	Coefficient of flow resistance		6.4.7.3	Values according to EN 13384-1 standard	
22.0	Protection against rainwater		6.4.8.1	N.P.D.	
23.0	Aerodynamic behavior		6.4.8.2	N.P.D.	
24.0	Corrosion resistance at inner wall		6.5.1	1.4404 / 316L V2	1.4521 / 444 V2 RP: TÜV-A 1439-00/05
25.0	Freeze / thaw resistance		6.5.3	Fulfilled according to EN 1856-1	
26.0	Dangerous substances		7.2	None	
27.0	Typical installation drawing		7.2		See Annex
28.0	Assembly instructions		7.2		See Annex
29.0	Flow direction		7.2	Installation with the outer Female at the top	
30.0	Storage instructions		7.2	No corrosive atmosphere	
31.0	Method of application of any sealant required		7.2		



		COMPRESSIVE STRENGTH	TENSILE STRENGTH
		Height – Size D (m)	Height (m)
	Outer material	1.4301 /304; 1.4404 / 316L; 1.4521 / 444; 1.4509 / 441; 1.4075 / 430	
ND (mm)	80	27	23
	100	22	19
	130	17	14



		NON VERTICAL INSTALLATION	
		Maximum deflection α (°)	Maximum length of the slope – Size E (m)
	Outer material	1.4301 /304; 1.4404 / 316L; 1.4521 / 444; 1.4509 / 441; 1.4075 / 430	
ND (mm)	80	90	1
	100	90	1
	130	90	1

		COMPRESSIVE STRENGTH OF THE SUPPORT	
		Height	
	Outer material	1.4301 /304; 1.4404 / 316L; 1.4521 / 444; 1.4509 / 441; 1.4075 / 430	
	Model	Wall support 080	Adjustable wall support 083
ND (mm)	80	6	6
	100	5	5
	130	4	4