

DOP-DINAGAS E2-023

1. Unique identification code of the product-type:

Concentric Multi Wall Metal System Chimney
EN 1856-1:2009

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

DINAK E2 (3CE+)

Model	Ø	Technical Specification
1.0 Model 1.4404 / 316L	Ø 80-250	T200 P1 W V2 L50040 O50
2.0 Model 1.4521 / 444	Ø 80-250	T200 P1 W V2 L99040 O50
3.0 Model 1.4162 / S32101	Ø 80-250	T200 P1 W V2 L99050 O50
4.0 Model 1.4301 / 304	Ø 80-250	T200 P1 W Vm L20040 O50

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Convey the products of combustion from heating appliances to the outside atmosphere

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

DINAK S.A.
Camiño do Laranxo, 19
36216, Vigo (SPAIN)
dinak@dinak.com
tlf: +34 986 452 526

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 2+
System 4 (for terminals)

7. Notified factory production control certification body TÜV SÜD Industrie Service GmbH, No.0036, performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control

8. Declared performance

Essential Characteristics	Performance	Harmonized technical specification
Compressive strength Chimney Sections, fittings and supports	Up to 17 m (See annex) See annex	EN 1856-1:2009
Resistance to fire	Models 1.0, 2.0, 3.0 and 4.0: T200 – O50	EN 1856-1:2009
Gas tightness/leakage	Models 1.0, 2.0, 3.0 and 4.0: P1	EN 1856-1:2009
Flow resistance of chimney sections, fittings and terminals	According to EN 13384-1	EN 1856-1:2009

DOP-DINAGAS E2-023

Thermal resistance	0 m ² K/W	EN 1856-1:2009
Thermal shock resistance Soot fire resistance	Models 1.0, 2.0, 3.0 and 4.0: No	EN 1856-1:2009
Thermal performance under normal operating conditions	Models 1.0, 2.0, 3.0 and 4.0: T200	
Flexural tensile strength (only for means of connection for chimney sections and fittings)	Up to 55 m (see annex)	EN 1856-1:2009
Non vertical installation	Maximum offset between supports: 3 m at 90° (see annex)	EN 1856-1:2009
Components subject to wind load	Maximum free standing height: 1,5 m above last support (see annex) Maximum spacing between lateral supports: 4 m (see annex)	EN 1856-1:2009
Durability Water and vapour diffusion resistance	Models 1.0, 2.0, 3.0 and 4.0: Yes	EN 1856-1:2009
Condensate penetration resistance	Models 1.0, 2.0, 3.0 and 4.0: Yes	
Against corrosion	Model 1.0: V2 Model 2.0: V2 Model 3.0: V2 Model 4.0: Vm	
Freeze thaw resistance	Yes	EN 1856-1:2009

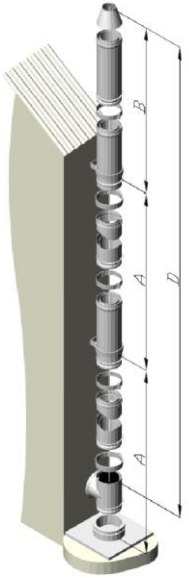
9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by:

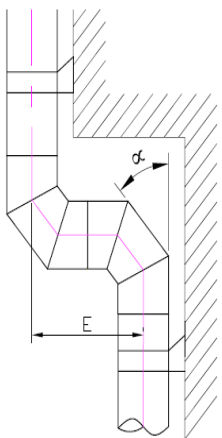
Íñigo A. Canoa (General Manager)

Vigo, 2nd November 2016

DOP-DINAGAS E2-023

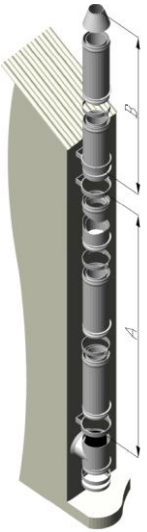


DINAGAS 3CE+						
COMPRESSION STRENGTH				TENSILE STRENGTH		
Height – Size D (m)				Height (m)		
Outer material	AISI 304 / 1.4301	AISI 316L / 1.4404	Galvanized	AISI 304 / 1.4301	AISI 316L / 1.4404	Galvanized
N/D (mm)	80	38	38	120		120
	100	31	31	98		98
	110	27	27	86		86
	125	24	24	75		75
	150	21	21	65		65
	175	17	17	54		54
	200	15	15	49		49
	250	13	13	32		32

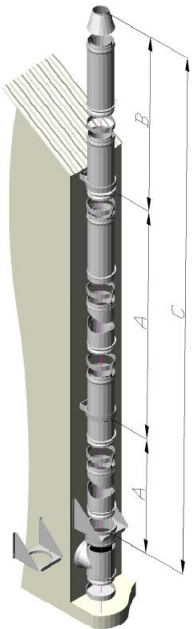


DINAGAS 3CE+			
NON VERTICAL INSTALLATION			
Outer material	Maximum deflection α (°)	Maximum length of the slope – Size E (m)	
	AISI 304 / 1.4301, AISI 316L / 1.4404 or Galvanized	AISI 304 / 1.4301, AISI 316L / 1.4404 or Galvanized	
N/D (mm)	80	90	3
	100	90	3
	110	90	3
	125	90	3
	150	90	3
	175	90	3
	200	90	3
	250	90	3

DOP-DINAGAS E2-023



DINAGAS 3CE+						
WIND LOAD RESISTANCE						
Configuration 1 (wall supports 080 with a flat wall support 086 at highest position)						
Outer material	Max number of straight elements (020) between supports (Size A)			Max. Length from last support. (m) (Size B)		
	AISI 304 / 1.4301	AISI 316L / 1.4404	Galvanized	AISI 304 / 1.4301	AISI 316L / 1.4404	Galvanized
ND (mm)	80	4	X	1,5		X
	100	4		1,5		
	110	4		1,5		
	125	4		1,5		
	150	4		1,5		
	175	4		1,5		
	200	4		1,5		
	250	4		1,5		



DINAGAS 3CE+			
COMPRESSIVE STRENGTH OF THE SUPPORT			
Height			
Outer material	AISI 304 / 1.4301, AISI 316L / 1.4404 or Galvanized		
Model	Roof support 082	Roof support 082 Galvanized	
DN (mm)	80	60	43
	100	49	35
	110	42	30
	125	37	26
	150	32	23
	175	26	19
	200	23	17
	250	15	11