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:	**DINAGAS 3CE**
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 010**

Designations according to EN 1856-1

E and E1 models:

0.1	Metal chimney with seal 1.4404/316L	EN 1856-1	T200	N1	W	V2-L50040	O(40)
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 23 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 W/m^{2}K at reference temperature

Mechanical resistance and stability
Tensile strength: up to 72 m. See Annex
Non vertical installation: maximum deflection 90º and maximum length of the slope up to 3 m.
Wind load resistance:
Maximum length between supports up to 4 m.
Maximum length from the last support up to 1,5 m. See Annex

Wet working conditions: Yes

DECLARATION OF CONFORMITY AND PRODUCT DESCRIPTION

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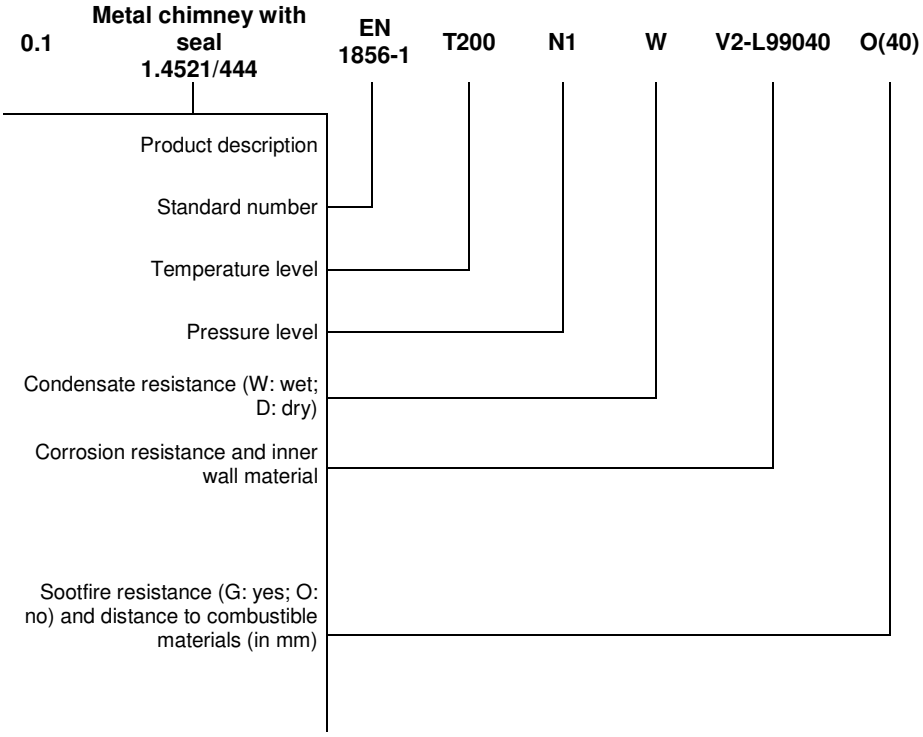
Certificate number:	**0036 CPD 90220 010**

Designations according to EN 1856-1:

E and E1 models:



Compressive strength
Up to 23 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 W/m^{2}K at reference temperature

Mechanical resistance and stability
Tensile strength: up to 72 m. See Annex
Non vertical installation: maximum deflection 90º and maximum length of the slope up to 3 m.
Wind load resistance:
Maximum length between supports up to 4 m.
Maximum length from the last support up to 1,5 m. See Annex

Wet working conditions: Yes

DECLARATION OF CONFORMITY AND PRODUCT DESCRIPTION

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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 010**

Designations according to EN 1856-1:

E and E1 models:

0.1	Metal chimney with seal 1.4162/S32101	EN 1856-1	T200	N1	W	V2-L99050	O(40)
	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 23 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 W/m^{2}K at reference temperature

Mechanical resistance and stability
Tensile strength: up to 72 m. See Annex
Non vertical installation: maximum deflection 90º and maximum length of the slope up to 3 m.
Wind load resistance:
Maximum length between supports up to 4 m.
Maximum length from the last support up to 1,5 m. See Annex

Wet working conditions: Yes

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:	**DINAGAS 3CE**
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 010**

Designations according to EN 1856-1:

E and E1 models:

0.1	Metal chimney with seal 1.4301/304	EN 1856-1	T200	N1	W	Vm-L20040	O(40)
Descripción del producto							
Número de norma							
Nivel de temperatura							
Nivel de presión							
Resistencia a los condensados (W: húmedo; D: seco)							
Resistencia a la corrosión y especificación del material de la pared interior							
Resistencia al fuego de hollín (G: si; O: no) y distancia al material combustible (en mm)							

Compressive strength
Up to 23 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 W/m^{2}K at reference temperature

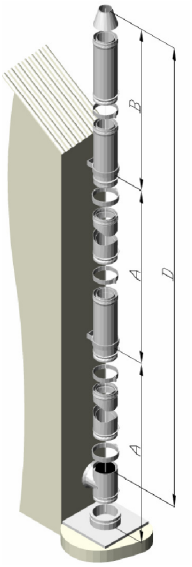
Mechanical resistance and stability
Tensile strength: up to 72 m. See Annex
Non vertical installation: maximum deflection 90º and maximum length of the slope up to 3 m.
Wind load resistance:
Maximum length between supports up to 4 m.
Maximum length from the last support up to 1,5 m. See Annex

Wet working conditions: Yes

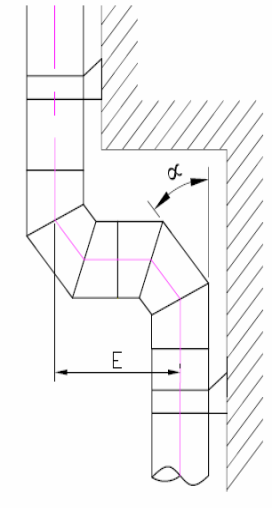
	Characteristics	Units	Ref. EN 1856-1	Values / Levels				Remarks
1.0	Nominal dimensions	mm	4, 5	125, 150, 175, 200, 250, 300				E
				150, 180, 205, 225, 250, 300				E1
2.0	Nominal diameter/outer diameter	mm		125/210, 150/260, 175/310, 200/360, 250/425, 300/475				E
				150/285, 180/340, 205/390, 225/425, 250/475, 300/575				E1
3.0	Inner diameter (minimum)	mm	4,5	121,5; 146,3; 171,5; 196,3; 246,6; 295,3				E
				148,0; 177,8; 202,1; 222,8; 247,8; 297,6				E1
4.0	Inner wall material		4, 5, 6.5.2					
	Quality			1.4404 / 316L	1.4521 / 444	1.4162 / S32101	1.4301 / 304	
	Nominal thickness (minimum thickness)	mm		0,4 (0,34)	0,4 (0,34)	0,5 (0,44)	0,4 (0,34)	
	Description according to EN 1856-1			L50040	L99040	L99050	L20040	
5.0	Outer wall material		4, 5, 6.5.2					
	Quality			1.4301 / 304	1.4404 / 316L	Aluminized steel		
	Nominal thickness (minimum thickness)	mm		ND 125-200: 0,4 (0,34) ND 250-300: 0,5 (0,44)	ND 125-200: 0,4 (0,34) ND 250-300: 0,5 (0,44)	ND 125-200: 0,4 (0,34) ND 250-300: 0,5 (0,44)		E
				ND 150-180: 0,4 (0,34) ND 205-300: 0,5 (0,44)	ND 150-180: 0,4 (0,34) ND 205-300: 0,5 (0,44)	ND 150-180: 0,4 (0,34) ND 205-300: 0,5 (0,44)		E1
	Description according to EN 1856-1			ND 125-200: L20040 ND 250-300: L20050	ND 125-200: L50040 ND 250-300: L50050	ND 125-200: L99040 DN 250-300: L99050		E
				ND 150-180: L20040 ND 205-300: L20050	ND 150-180: L50040 ND 205-300: L50050	ND 150-180: L99040 ND 205-300: L99050		E1
	Quality			1.4521 / 444	1.4509 / 441	1.4075 / 430		
	Nominal thickness (minimum thickness)	mm		ND 125-200: 0,4 (0,34) ND 250-300: 0,6 (0,54)	ND 125-200: 0,4 (0,34) ND 250-300: 0,6 (0,54)	ND 125-200: 0,4 (0,34) ND 250-300: 0,6 (0,54)		E
				ND 150-180: 0,4 (0,34) ND 205-300: 0,6 (0,54)	ND 150-180: 0,4 (0,34) ND 205-300: 0,6 (0,54)	ND 150-180: 0,4 (0,34) ND 205-300: 0,6 (0,54)		E1
	Description according to EN 1856-1			ND 125-200: L99040 ND 250-300: L99060	ND 125-200: L99040 ND 250-300: L99060	ND 125-200: L99040 ND 250-300: L99060		E
				ND 150-180: L99040 ND 205-300: L99060	ND 150-180: L99040 ND 205-300: L99060	ND 150-180: L99040 ND 205-300: L99060		E1
6.0	Insulation		7.2	None				
7.0	Seals		7.2					**RP: IMQ-01SG00017**

	Characteristics	Units	Ref. EN 1856-1	Values / Levels				Remarks
	Designation according to EN 14241-1 standard			EN 14241-1 T200 W 2 K2 I				
	Density	g/cm^3		1.20 ± 0.1				
	Hardness	ShA		55-60				
	Lengthening strength to 100%	N/mm^2		⩾ 1.2				
	Tensile strength	N/mm^2		⩾ 4.5				
	Permanent deformation	%		≤ 25				
	Nominal dimensions	mm		125, 150, 175, 200, 225, 250, 300				
	Mechanical resistance and stability		6.1					**RP: TÜV-A 1445-00/05**
8.0	Compressive strength		6.1.1	Up to 23 m.				See Annex
9.0	Tensile strength		6.1.2	Up to 72 m.				See Annex
10.0	Wind load resistance		6.1.3.2	Maximum length from the last support: up to 1,5 m. Maximum length between supports: up to 4 m.				See Annex
	Non vertical installation		6.1.3.1					**RP: TÜV-A 1445-00/05**
11.0	Maximum deflection			90º (horizontal installation)				See Annex
12.0	Maximum length of the slope			Up to 3 m.				See Annex
13.0	Gas tightness		6.3	Pressure level: N1				**RP: TÜV-A 1409-00/05**
14.0	Distance to combustible materials at T200	mm	6.2	40 (O40)				**RP: TÜV-A 1409-00/05**
15.0	Accidental human contact at T200		6.4.2	Protection in the traffic area is not needed (back ventilated air gap between de inner wall and the outer wall)				**RP: TÜV-A 1409-00/05**
16.0	Thermal resistance (@ 200 ºC)	m^2 K / W	6.4.3	0				**RP: TÜV-A 1409-00/05**
17.0	Condensate resistance		6.4.4, 6.4.5	Designation: W (wet)				**RP: TÜV-A 1409-00/05**
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	1.4521 / 444	1.4162 / S32101	1.4301 / 304	**RP: TÜV-A 1439-00/05**
				V2	V2	V2	Vm	

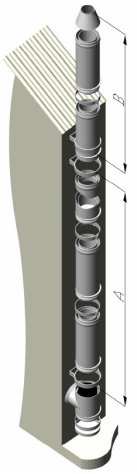
	Characteristics	Units	Ref. EN 1856-1	Values / Levels	Remarks
25.0	Freeze / thaw resistance		6.5.3	Fulfilled according to EN 1856-1	
26.0	Dangerous substances		7.2	None	
27.0	Typical installation drawing		7.2		See Annex
28.0	Assembly instructions		7.2		See Annex
29.0	Flow direction		7.2	Installation with the outer Male at the top	E
				Installation with the outer Female at the top	E1
30.0	Storage instructions		7.2	No corrosive atmosphere	
31.0	Method of application of any sealant required		7.2	None	



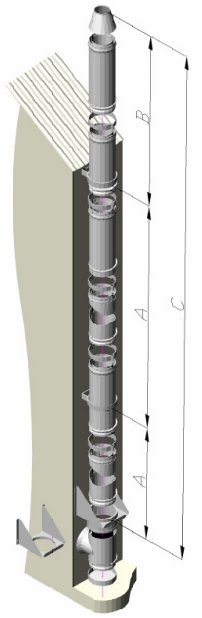
		DINAGAS E			
		COMPRESSIVE STRENGTH		**TENSILE STRENGTH**	
		Height – Size D (m)		Height (m)	
	Outer material	1.4301 /304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Aluminized Steel	1.4301 /304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Aluminized Steel
ND (mm)	125	23	23	72	72
	150	18	18	58	58
	175	15	15	49	49
	200	13	13	43	43
	250	12	12	30	30
	300	11	11	26	26



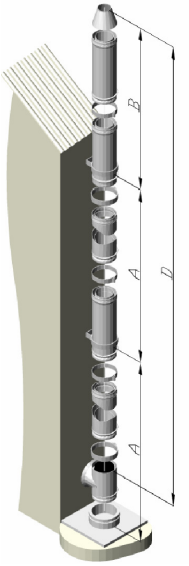
		DINAGAS E			
		NON VERTICAL INSTALLATION			
		Maximum deflection α (º)		Maximum length of the slope – Size E (m)	
	Outer material	1.4301 /304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Aluminized Steel	1.4301 /304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Aluminized Steel
ND (mm)	125	90	90	3	3
	150	90	90	3	3
	175	90	90	3	3
	200	90	90	3	3
	250	90	90	3	3
	300	90	90	3	3



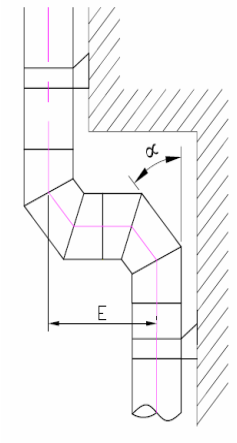
		DINAGAS E WIND LOAD RESISTANCE Configuration 1 (wall supports 080 with a flat wall support 086 at highest position)			
		Max. Length between supports. Max number of straight elements (020) between supports (Size A)		Max. Length from last support. (m) (Size B)	
	Outer material	1.4301 /304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Aluminized Steel	1.4301 /304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Aluminized Steel
ND (mm)	125	4		1,5	
	150	4		1,5	
	175	4		1,5	
	200	4		1,5	
	250	4		1,5	
	300	4		1,5	



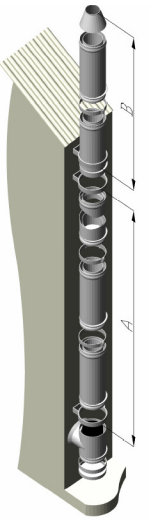
		DINAGAS E COMPRESSIVE STRENGTH OF THE SUPPORT Height (m)	
	Outer material	1.4301 /304 ; 1.4404 / 316L 1.4521 / 444; 1.4509 / 441 1.4075 / 430; Aluminized Steel	
	Model	Adjustable base support closed 085/853 Size (C)	Adjustable base support extended 085/853 Size (C)
ND (mm)	125	90	48
	150	73	39
	175	62	33
	200	53	29
	250	38	20
	300	33	18



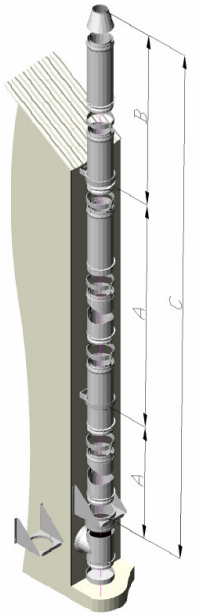
		DINAGAS E1			
		COMPRESSIVE STRENGTH		TENSILE STRENGTH	
		Height – Size D (m)		Height (m)	
	Outer material	1.4301 /304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Aluminized Steel	1.4301 /304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Aluminized Steel
ND (mm)	150	17	17	55	55
	180	14	14	46	46
	205	14	14	40	34
	225	13	13	31	31
	250	11	11	28	28
	300	9	9	23	23



		DINAGAS E1	
		NON VERTICAL INSTALLATION	
		Maximum deflection α (º)	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; Aluminized Steel	1.4301 /304 ; 1.4404 / 316L 1.4521 / 444; 1.4509 / 441 1.4075 / 430; Aluminized Steel
ND (mm)	150	90	3
	180	90	3
	205	90	3
	225	90	3
	250	90	3
	300	90	3



		DINAGAS E1			
		WIND LOAD RESISTANCE			
		Configuration 1 (wall supports 080 with a flat wall support 086 at highest position)			
		Max number of straight elements (020) between supports (Size A)		Max. Length from last support. (m) (Size B)	
	Outer material	1.4301 /304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Aluminized Steel	1.4301 /304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Aluminized Steel
ND (mm)	150	4		1,5	
	180	4		1,5	
	205	4		1,5	
	225	4		1,5	
	250	4		1,5	
	300	4		1,5	



		DINAGAS E1	
		COMPRESSIVE STRENGTH OF THE SUPPORT	
		Height (m)	
	Outer material	1.4301 /304 ; 1.4404 / 316L 1.4521 / 444; 1.4509 / 441 1.4075 / 430; Aluminized Steel	
	Model	Adjustable base support closed 085/853 Size (C)	Adjustable base support extended 085/853 Size (C)
ND (mm)	150	85	58
	180	71	49
	205	53	36
	225	49	33
	250	43	30
	300	36	25

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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:	**DINAGAS 3CE+ /CLV+** **DINAGAS SOBREPRESIÓN DOS PAREDES** **(E2)**
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 023**

Designations according to EN 1856-1:

3CE+ model:

0.1	Metal chimney with gasket 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 17 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 W/m^2K at reference temperature

Mechanical resistance and stability
Tensile strength: up to 55 m. See Annex
Non vertical installation: maximum deflection 90º and maximum length of the slope up to 3 m.
Wind load resistance:
Maximum length between supports up to 4 m.
Maximum length from the last support up to 1,5 m. See Annex

Wet working conditions: Yes

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:	**DINAGAS 3CE+ /CLV+** **DINAGAS SOBREPRESIÓN DOS PAREDES** **(E2)**
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 023**

Designations according to EN 1856-1:

3CE+ model:

0.1	Metal chimney with gasket 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 17 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 W/m^2K at reference temperature

Mechanical resistance and stability
Tensile strength: up to 55 m. See Annex
Non vertical installation: maximum deflection 90º and maximum length of the slope up to 3 m.
Wind load resistance:
Maximum length between supports up to 4 m.
Maximum length from the last support up to 1,5 m. See Annex

Wet working conditions: Yes

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:	**DINAGAS 3CE+ /CLV+** **DINAGAS SOBREPRESIÓN DOS PAREDES** **(E2)**
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 023**

Designations according to EN 1856-1:

3CE+ model:

0.1	Metal chimney with gasket 1.4162 / S32101	EN 1856-1	T200	P1	W	V2-L99050	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 17 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 W/m^2K at reference temperature

Mechanical resistance and stability
Tensile strength: up to 55 m. See Annex
Non vertical installation: maximum deflection 90º and maximum length of the slope up to 3 m.
Wind load resistance:
Maximum length between supports up to 4 m.
Maximum length from the last support up to 1,5 m. See Annex

Wet working conditions: Yes

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:	**DINAGAS 3CE+ /CLV+** **DINAGAS SOBREPRESIÓN DOS PAREDES** **(E2)**
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 023**

Designations according to EN 1856-1:

3CE+ model:

0.1	Metal chimney with gasket 1.4301 / 304	EN 1856-1	T200	P1	W	Vm-L20040	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 17 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

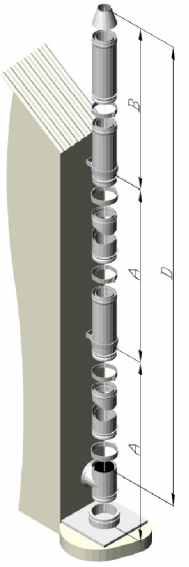
Thermal resistance
0 W/m^2K at reference temperature

Mechanical resistance and stability
Tensile strength: up to 55 m. See Annex
Non vertical installation: maximum deflection 90º and maximum length of the slope up to 3 m.
Wind load resistance:
Maximum length between supports up to 4 m.
Maximum length from the last support up to 1,5 m. See Annex

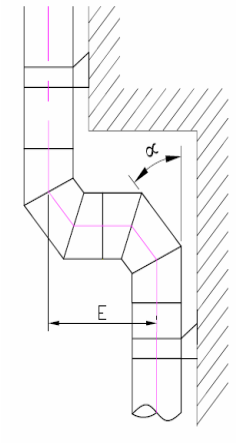
Wet working conditions: Yes

	Characteristics	Units	Ref. EN 1856-1	Values / Levels				Remarks
1.0	Nominal dimensions	mm	4, 5	125, 150, 175, 200, 250				
2.0	Inner/outer diameter			125/200, 150/225, 175/275, 200/300, 250/400				
3.0	Inner wall material		4, 5, 6.5.2					
	Quality			AISI 316L / 1.4404	1.4521 / 444	1.4162 / S32101	AISI 304 / 1.4401	
	Nominal thickness (minimum thickness)	mm		0,4 (0,34)	0,4 (0,34)	0,5 (0,44)	0,4 (0,34)	
	Description according to EN 1856-1			L50040	L99040	L99050	L20040	
4.0	Outer wall material		4, 5, 6.5.2					
	Quality			AISI 304 / 1.4301	AISI 316L / 1.4404	Aluminized Steel		
	Nominal thickness (minimum thickness)	mm		ND 125-200: 0,4 (0,34) ND 250: 0,5 (0,44)	ND 125-200: 0,4 (0,34) ND 250: 0,5 (0,44)	ND 125-200: 0,4 (0,34) ND 250: 0,5 (0,44)		
	Description according to EN 1856-1			ND 125-200: L20040 ND 250: L20050	ND 125-200: L50040 ND 250: L50050	ND 125-200: L99040-Aluminized ND 250: L99050-Aluminized		
5.0	Insulation		7.2	None				
6.0	Sealings		7.2					**RP: IMQ-01SG00017**
	Designation according to EN 14241-1 standard			EN 14241-1 T200 W 2 K2 I				
	Density	g/cm^3		1.20 ± 0.1				
	Hardness	ShA		55-60				
	Lengthening strength to 100%	N/mm^2		≥ 1.2				
	Tensile strength	N/mm^2		≥ 4.5				
	Permanent deformation	%		≤ 25				
	Mechanical resistance and stability		6.1					**RP: TÜV-A 1445-00/05**
8.0	Compressive strength		6.1.1	Up to 17 m.				See Annex
9.0	Tensile strength		6.1.2	Up to 55 m.				See Annex
10.0	Wind load resistance		6.1.3.2	Maximum length from the last support: up to 1,5 m. Maximum length between supports: up to 4 m.				See Annex
	Non vertical installation		6.1.3.1					**RP: TÜV-A 1445-00/05**
11.0	Maximum deflection			90º (horizontal installation)				See Annex
12.0	Maximum length of the slope			Up to 3 m.				See Annex
13.0	Gas tightness		6.3	Pressure level: P1				**RP: TÜV-A 1409-00/05**
14.0	Distance to combustible materials @ T200	mm	6.2	50 (O50)				**RP: TÜV-A 1409-00/05**

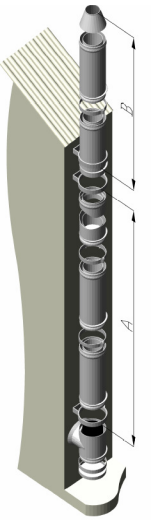
	Characteristics	Units	Ref. EN 1856-1	Values / Levels				Remarks
15.1	Accidental human contact		6.4.2	Protection in the traffic area is not needed (back ventilated air gap between de inner wall and the outer wall)				**RP: TÜV-A 1409-00/05**
16.0	Thermal resistance	m^2 K / W	6.4.3	0				**RP: TÜV-A 1409-00/05**
17.0	Condensate resistance		6.4.4, 6.4.5	Designation: W (wet)				**RP: TÜV-A 1409-00/05**
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		6.5.1	AISI 316L / 1.4404 inner wall	1.4521 / 444 inner wall	1.4162 / S32101 inner wall	AISI 304 / 1.4401 inner wall	**RP: TÜV-A 1439-00/05**
				V2			Vm	
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
30.0	Flow direction		7.2	Installation with the Female at the top				
31.0	Storage instructions		7.2	No corrosive atmosphere				
32.0	Method of application of any sealant required		7.2	None				



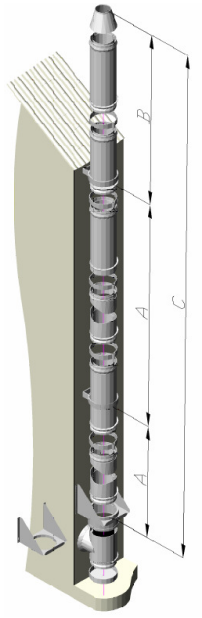
		DINAGAS 3CE+					
		COMPRESSIVE STRENGTH			TENSILE STRENGTH		
		Height – Size D (m)			Height (m)		
	Outer material	AISI 304 / 1.4301	AISI 316L / 1.4404	Aluminized	AISI 304 / 1.4301	AISI 316L / 1.4404	Aluminized
ND (mm)	125						
	150	17		15	55		47
	175	14		12	46		39
	200	14		12	40		34
	250	13		12	31		31



		DINAGAS 3CE+	
		NON VERTICAL INSTALLATION	
		Maximum deflection α (º)	Maximum length of the slope – Size E (m)
	Outer material	AISI 304 / 1.4301, AISI 316L / 1.4404 or Aluminized	AISI 304 / 1.4301, AISI 316L / 1.4404 or Aluminized
ND (mm)	125	90	3
	150	90	3
	175	90	3
	200	90	3
	250	90	3



		DINAGAS 3CE+					
		WIND LOAD RESISTANCE					
		Configuration 1 (wall supports 080 with a flat wall support 086 at highest position)					
		Max number of straight elements (020) between supports (Size A)			Max. Length from last support. (m) (Size B)		
	Outer material	AISI 304 / 1.4301	AISI 316L / 1.4404	Aluminized	AISI 304 / 1.4301	AISI 316L / 1.4404	Aluminized
ND (mm)	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 Aluminized			
	Model	Wall support 080	Adjustable base support closed 085/853 Size (C)	Adjustable base support extended 085/853 Size (C)	Adjustable floor support 855/856
ND (mm)	125				
	150	36	73	50	27
	175	30	61	42	23
	200	26	53	36	20
	250	24	49	33	18