



**Declaration of Performance
NOVA COMMERCIAL
System Chimney**

NOVA COMMERCIAL DOP Issue 3

BS EN 1856-1



1. Unique identification code of the product-type:

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):

Manufacturers Identification(s):

NOVA COMMERCIAL
Model 1 DN (400-600) T120 P1 W V2 L50060 OXX
Model 2 DN (400-600) T450 N1 D V2 L50060 GXX

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

To convey the products of combustion to atmosphere under negative pressure and dry conditions. For positive pressure and wet systems, seals can be retrofitted to the joint.

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

SFL
Pottington Business Park
Barnstaple
Devon
United Kingdom
EX31 1LZ
Tel: 01271 326633 Fax: 01271 334303
Email: info@sflchimneys.com Web: www.sflchimneys.com

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

N/A

6. System of assessment and verification of consistency of performance as set out in CPR, Annex V:

System 2+ and System 4 (Terminals)

7. Notified factory production control certification body 2797 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 2797 CPR 496040 of the factory production control.

BSI Group The Netherlands B.V.
John M. Keynesplein 9,
1066 EP Amsterdam,
The Netherlands.

8. Declared Performance

	Essential Characteristics	Performance	Harmonised Technical Specifications
8.1	Compressive strength Chimney sections, fittings and supports	See Appendix A	EN 1856-1: 2009
8.2	Resistance to fire	Model 1 DN(400): O75 Model 1 DN(450-600): O100 Model 2 DN(400): G75 Model 2 DN(450-600): G100	
8.3	Gas tightness / leakage	Model 1 DN (400-600): P1 Model 2 DN (400-600): N1	
8.4	Flow resistance of chimney sections Flow resistance of chimney fittings	According to EN 13384-1	
8.5	Thermal resistance	0,42 m ² K/W @ 200°C	
8.6	Thermal shock resistance Sootfire resistance	Model 1 DN (400-600): No Model 2 DN(400-600): Yes	
8.7	Thermal performance under normal operating conditions	Model 1 DN (400-600): T120 Model 2 DN (400-600): T450	
8.8	Flexural tensile Strength (only for means of connection for a chimney and fittings)	NPD	
8.9	Non vertical installations	Model 1,2 (400-600) 4m between lateral supports at 45°	
9.10	Components subject to wind load	Model 1,2 DN (400-600) ≤ 2.5m above last support ≤ 4m between supports	

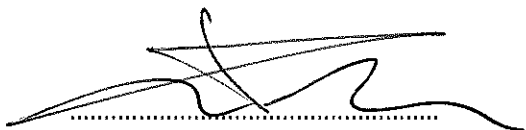
8.11	Water and vapour diffusion resistance	Model 1 DN (400-600): Yes Model 2 DN (400-600): No	EN 1856-1: 2009
8.12	Condensate penetration resistance.	Model 1 DN (400-600): Yes Model 2 DN (400-600): No	
8.13	Durability against corrosion	Model 1,2 DN(400-600): V2	
8.14	Freeze thaw	Model 1,2 DN(400-600): Yes	

For further technical information, please refer to the product sales literature.

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

Barnstaple, Devon 22/12/2020

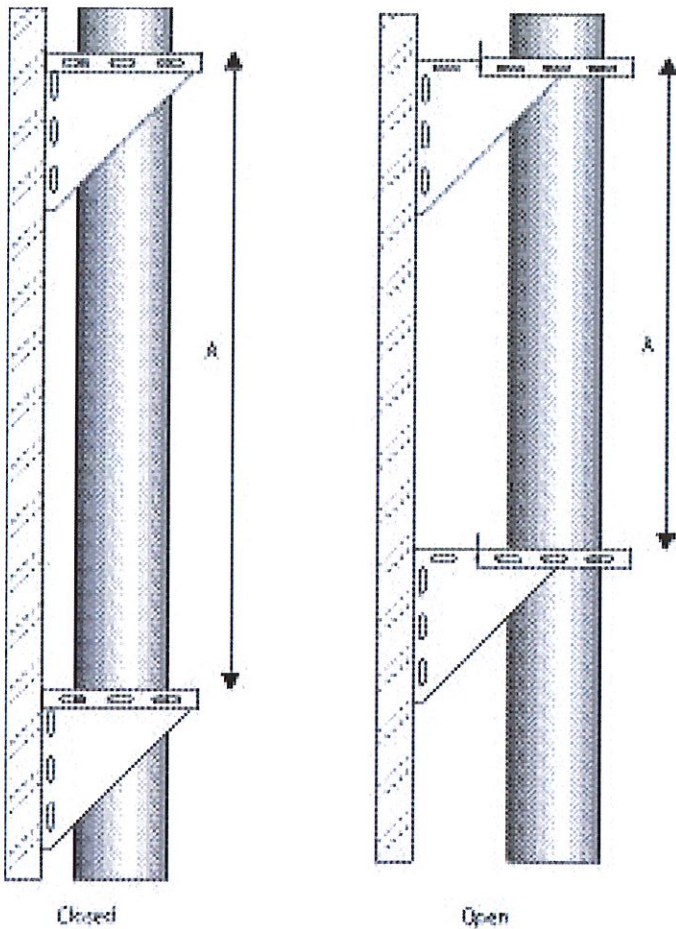


Flavio Buccianti Managing Director

Appendix A - Structural Loadings

All mechanical loadings unless indicated have been converted to metres of product for ease of application based on the design loads of the test data. The product design loads represent the nearest approximation based on the weight tolerance of the product and current technical literature.

Compressive loading - Support Plates



Product Size (mm)	(Design Load) Max. Length Between Supports (Mtrs)	
	Stainless Steel	
	CLOSED	OPEN
400	20	15
450	20	12
500	20	10
550	15	10
600	10	10

Compressive Loading - Tees (Vertical Loading in Metres)

Component	Product Size (mm)				
	400	450	500	550	600
90°, 95° & 85° Tee	2	2	2	2	2
135° Tee	2	2	2	2	2