

# Declaration of performance

Nr. 104-DoP-2024-2-14



1. Unique identification code of the product type: Twin walled stainless steel system with insulation according to EN 1856-2:2009 **AM**
2. Intended use: Convey the products of combustion from heating appliances to the chimney
3. Product designations:
 

	<b>Model 1</b>	DN (130-300)	T600 H1 D V2 L50050 O50 M
		DN (350- 450)	T600 H1 D V2 L50050 O75 M
		DN (500-600)	T600 H1 D V2 L50060 O100 M
		DN (700)	T600 H1 D V2 L50060 O200 M
		DN (800-1000)	T600 H1 D V2 L50080 O200 M
	<b>Model 2</b>	DN (130-300)	T600 N1 D V2 L50050 G50 M
		DN (350- 450)	T600 N1 D V2 L50050 G75 M
		DN (500-600)	T600 N1 D V2 L50060 G100 M
		DN (700)	T600 N1 D V2 L50060 G200 M
		DN (800-1000)	T600 N1 D V2 L50080 G200 M
4. Manufacturer: Schiedel B.V.  
Oude Veerseweg 23  
4332 SH Middelburg  
The Netherlands
5. Authorised representative: N/A
6. System(s) of AVCP: System 2+ en System 4
7. Harmonized standard: EN 1856-2:2009  
Notified body: 0036

8. Declared performance

Essential characteristics	Performance	Harmonized technical specification
Compressive strength	Model 1 to 2 DN (130-300): 30 meter DN (350-450): 14 meter DN (500-600): 12 meter DN (700-1000): 9 meter	EN 1856-2:2009
	Chimney sections, fittings and supports	
Resistance to fire	Model 1 DN (130-300) T600 O50 M DN (350-450) T600 O75 M DN (500-600): T600 O100 M DN (700-1000): T600 O200 M	EN 1856-2:2009
	Model 2 DN (130-300) T600 G50 M DN (350- 400) T600 G75 M DN (500-600): T600 G100 M DN (700-1000): T600 G200 M	
Gas tightness/leakage	Model 1 DN (130-1000): H1 Model 2 DN (130-1000): N1	EN 1856-2:2009
Flow resistance of chimney sections and fittings	Elbows: 15°:0.2. 35°:0.3. 45°:0.4. 90°:0.5. T-piece: 90°:1.2.	EN 13384-1: 2014
Thermal resistance	Model 1 to 2: 0.51 m² K/W tested at 200°C.	EN 1856-2:2009

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Thermal shock resistance	Model 1: No	EN 1856-2:2009
	Model 2: Yes	
Thermal performance under normal operating conditions	Model 1: T600	EN 1856-2:2009
	Model 2: T600	
Tensile strength	Model 1 & 2:	EN 1856-2:2009
- Flexural strength of joints	DN (130-600): 5 m	
- Non vertical installation	DN (700-1000): No value determined	
	3 m between 2 supports	
	DN (130-600) Free-standing height 3m	
- Wind load	Max distance between lateral supports 4 m	
	DN(700-1000): Free-standing height 1.5 m	
	Max distance between lateral supports 4 m	
Sustainability		
Water and vapor diffusion resistance	Model 1 & 2: No	EN 1856-2:2009
Condensate penetration resistance	Model 1 & 2: No	
Resistance against corrosion	Yes, V2	EN 1856-2:2009
Freeze thaw resistance	Model 1 to 2: Yes	EN 1856-2:2009

The performance of the product identified above is in accordance with the range of declared performance. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Middelburg 14-2-2024

Drs. Simon J. Ramaekers CEO Schiedel Benelux