



Prestatieverklaring

Nr. 112-DoP-2024-2-14

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

Model 1	DN (80-250)	T200 P1 W V2 L50040 O25
Model 2	DN (80-250)	T200 H1 W V2 L50040 O25
Model 3	DN (80-250)	T250 N1 W V2 L50040 O25
Model 4	DN (80-250)	T400 N1 W V2 L50040 O130
Model 5	DN (80-250)	T400 N1 D V3 L50040 G130
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 1856-1:2009
Notified body: 0036

8. Declared performance

Essential characteristics	Performance	Harmonized technical specification
Compressive strength	Model 1 to 5 DN (80-250): 50 meter	EN 1856-1:2009
Chimney sections, fittings and supports	Supports no performance determined for further information see www.schiedel.com	
Resistance to fire	Model 1 DN (80-250): T200 O25 Model 2 DN (80-250): T200 O25 Model 3 DN (80-250): T250 O25 Model 4 DN (80-250): T400 O130 Model 5 DN (80-250): T400 G130 Tested without terminal and with ventilated ceiling leadthrough	EN 1856-1:2009
Gas tightness/leakage	Model 1 DN (80-250): P1 Model 2 DN (80-250): H1 Model 3 DN (80-250): N1 Model 4 DN (80-250): N1 Model 5 DN (80-250): N1	EN 1856-1:2009
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 5: 0.51 m ² K/W tested at 200°C.	EN 1856-1:2009

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Thermal shock resistance	Model 1 to 4: No Model 5: Yes	EN 1856-1:2009
Thermal performance under normal operating conditions	Model 1: T200 Model 2: T200 Model 3: T250 Model 4: T400 Model 5: T400	EN 1856-1:2009
Tensile strength	Model 1 to 5:	
- Flexural strength of joints	DN (80-250): 0 m	EN 1856-1:2009
- Non vertical installation	1,5 m between 2 supports	
- Wind load	DN (80-250) Free-standing height 2,5 m. Max distance between lateral supports 2 m	
Sustainability		
Water and vapor diffusion resistance	Model 1 to 5: Yes	EN 1856-1:2009
Condensate penetration resistance	Model 1 to 4 DN (80-250): Yes Model 5 DN (80-250): No	
Resistance against corrosion	Model 1 to 4 DN (80-250): V2 Model 5 DN (80-250): V3	EN 1856-1:2009
Freeze thaw resistance	Model 1 to 5: Yes	EN 1856-1:2009

De prestaties van het hierboven geïdentificeerde product zijn in overeenstemming met de reeks verklaarde prestaties. Deze prestatieverklaring is afgegeven in overeenstemming met Verordening (EU) nr. 305/2011 onder de uitsluitende verantwoordelijkheid van de hierboven genoemde fabrikant.

Ondertekend voor en namens de fabrikant door:

Middelburg 14-2-2024

Drs. Simon J. Ramaekers CEO Schiedel Benelux

