

# Declaration of performance

Nr. 108-DoP-2024-2-14



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

Model 1	DN (100-250) DN (300) DN (350)	T200 - P1 - W - V2 - L50040 - O30* T200 - P1 - W - V2 - L50050 - O30* T200 - P1 - W - V2 - L50050 - O30*
Model 2	DN (100-250) DN (300) DN (350)	T200 - H1 - W - V2 - L50040 - O30* T200 - H1 - W - V2 - L50050 - O30* T200 - H1 - W - V2 - L50050 - O30*
Model 3	DN (100-250) DN (300) DN (350)	T400 - N1 - W - V2 - L50040 - O70* T400 - N1 - W - V2 - L50050 - O70* T400 - N1 - W - V2 - L50050 - O70*
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 3 DN (100-300): 30 meter DN (350): 15 meter	EN 1856-1:2009
Chimney sections, fittings and supports	Supports no performance determined for further information see <a href="http://www.schiedel.com">www.schiedel.com</a>	
Resistance to fire	Model 1 DN (80-300) T200 O30 DN (350) T200 O45	EN 1856-1:2009
	Model 2 DN (80-300) T200 O30 DN (350) T200 O45	
	Model 3 DN (100-300) T400 O70 DN (350) T400 O105	

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Gas tightness/leakage	Model 1	DN (80-350): P1	
	Model 2	DN (80-350): H1	EN 1856-1:2009
	Model 3	DN (80-350): N1	
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 up to 3: 0.51 m² K/W tested at 200°C.		EN 1856-1:2009
Thermal shock resistance	Model 1 to 3: No		EN 1856-1:2009
Thermal performance under normal operating conditions:	Model 1,2: T200		EN 1856-1:2009
	Model 3: T400		
Tensile strength	Model 1 to 3:		
- Flexural strength of joints	DN (80-350) up to 10m		EN 1856-1:2009
- Non vertical installation	1,5m between 2 supports at 90°		
- Wind load	Free-standing height 3m in combination with a static locking band		
Sustainability			
Water and vapor diffusion resistance	Model 1 to 3: Yes		EN 1856-1:2009
Condensate penetration resistance	Model 1 to 3: Yes		
Resistance against corrosion	Model 1 to 3: V2		EN 1856-1:2009
Freeze thaw resistance	Model 1 to 3: Yes		EN 1856-1:2009

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