

Declaration of performance

Nr. 105-DoP-2024-2-1



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

Model 1	DN (130-300) DN (350- 400)	T400 N1 D V3 L50040 G50 T400 N1 D V3 L50050 G75
Model 2	DN (130-300) DN (350- 400)	T600 N1 D V3 L50040 G50 T600 N1 D V3 L50050 G75
Model 3	DN (130-300) DN (350- 400)	T600 N1 D V3 L50040 G50 T600 N1 D V3 L50040 G50
Model 4	DN (130-300) DN (350- 400)	T600 N1 D V3 L50040 G70 T600 N1 D V3 L50050 G105
- 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 4 DN (130-150): 30 meter DN (180): 25 meter DN (200-250): 20 meter DN (300): 17 meter DN (350-400): 14 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 (130-300) T400 G50 DN (350- 400) T400 G75 Model 2 DN (130-300) T600 G50 DN (350- 400) T600 G75 Tested without terminal and with ventilated ceiling leadthrough Model 3 DN (130-300) T600 Gxx* DN (350-400) T600 Gxx* Model 4 DN (130-300) T600 G70 DN (350- 400) T600 G105 Tested in combustible enclosure with ventilated firestop	EN 1856-1:2009

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Gas tightness/leakage	Model 1 to 4 DN (130-400): 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 4: 0.47 m² K/W tested at 200°C.	EN 1856-1:2009
Thermal shock resistance	Model 1 to 4: Yes	EN 1856-1:2009
Thermal performance under normal operating conditions	Model 1: T400 Model 2: T600 Model 3: T600 Model 4: T600	EN 1856-1:2009
Tensile strength	Model 1 to 4:	
- Flexural strength of joints	5 m	
- Non vertical installation	3 m between 2 supports	EN 1856-1:2009
- Wind load	Free-standing height 3m in combination with a static locking band	
Sustainability		
Water and vapor diffusion resistance	Yes	EN 1856-1:2009
Condensate penetration resistance	No	
Resistance against corrosion	Yes, V3	EN 1856-1:2009
Freeze thaw resistance	Model 1 to 4: 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 1-2-2024

Drs. Simon J. Ramaekers CEO Schiedel Benelux