

Declaration of performance

Nr. 111-DoP-2024-2-1



1.	Unique identification code of the product type:	Twin walled stainless steel system with insulation according to EN 1856-2:2009 MF		
2.	Intended use	Convey the products of combustion from heating appliances to the chimney		
3.	Product designations:	Model 1	DN (100-250) DN (300) DN (350-400) DN (450) DN (500-600) DN (700) DN (800-1000)	T200 - P1 - W - V2 - L50040 - O10* T200 - P1 - W - V2 - L50050 - O10* T200 - P1 - W - V2 - L50050 - O15* T200 - P1 - W - V2 - L50060 - O15* T200 - P1 - W - V2 - L50060 - O20* T200 - P1 - W - V2 - L50060 - O40* T200 - P1 - W - V2 - L50080 - O40*
		Model 2	DN (100-250) DN (300) DN (350-400) DN (450) DN (500-600) DN (700) DN (800-1000)	T200 - H1 - W - V2 - L50040 - O10* T200 - H1 - W - V2 - L50050 - O10* T200 - H1 - W - V2 - L50050 - O15* T200 - H1 - W - V2 - L50060 - O15* T200 - H1 - W - V2 - L50060 - O20* T200 - H1 - W - V2 - L50060 - O40* T200 - H1 - W - V2 - L50080 - O40*
		Model 3	DN (100-250) DN (300) DN (350-400) DN (450) DN (500-600) DN (700) DN (800-1000)	T450 - N1 - W - V2 - L50040 - O40* T450 - N1 - W - V2 - L50050 - O40* T450 - N1 - W - V2 - L50050 - O60* T450 - N1 - W - V2 - L50060 - O60* T450 - N1 - W - V2 - L50060 - O80* T450 - N1 - W - V2 - L50060 - O160* T450 - N1 - W - V2 - L50080 - O160*
		Model 4	DN (100-250) DN (300) DN (350-400) DN (450) DN (500-600) DN (700) DN (800-1000)	T450 - N1 - D - V3 - L50040 - G50* T450 - N1 - D - V3 - L50050 - G50* T450 - N1 - D - V3 - L50050 - G75* T450 - N1 - D - V3 - L50060 - G75* T450 - N1 - D - V3 - L50060 - G100* T450 - N1 - D - V3 - L50060 - G200* T450 - N1 - D - V3 - L50080 - G200*
		Model 5	DN (100-250) DN (300) DN (350-400) DN (450) DN (500-600) DN (700) DN (800-1000)	T600 - N1 - D - V3 - L50040 - G70* T600 - N1 - D - V3 - L50050 - G70* T600 - N1 - D - V3 - L50050 - G105* T600 - N1 - D - V3 - L50060 - G105* T600 - N1 - D - V3 - L50060 - G140* T600 - N1 - D - V3 - L50060 - G280* T600 - N1 - D - V3 - L50080 - G280*
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		

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7. Harmonized standard: EN 1856-2:2009
 Notified body: 0036

8. Declared performance

Essential characteristics	Performance	Harmonized technical specification
Compressive strength	Model 1 to 8 DN (100-300): 30 meter DN (350-450): 15 meter DN (500-600): 12 meter DN (700-1000): 9 meter	EN 1856-2:2009
Chimney sections, fittings and supports	Supports no performance determined for further information see www.schiedel.com	
Resistance to fire	Model 1 DN (100-300) T200 O10M DN (350-450) T200 O15M DN (500-600) T200 O20M DN (700-1000) T200 O40M	EN 1856-2:2009
	Model 2 DN (100-300) T400 O10M DN (350-450) T400 O15M DN (500-600) T400 O20M DN (700-1000) T400 O40M	
	Model 3 DN (100-300) T450 O40M DN (350-450) T450 O60M DN (500-600) T450 O80M DN (700-1000) T450 O160M	
	Model 4 DN (100-300) T450 G70M DN (350-450) T450 G105M DN (500-600) T450 G140M DN (700-1000) T450 G280M	
	Model 5 DN (100-300) T600 G100M DN (350-450) T600 G150M DN (500-600) T600 G200M DN (700-1000) T600 G400M	
Gas tightness/leakage	Model 1 DN (100-1000): P1	EN 1856-2:2009
	Model 2 DN (100-1000): H1	
	Model 3 to 5 DN (100-1000): 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 to 5: 0.51 m² K/W tested at 200°C.	EN 1856-2:2009
Thermal shock resistance	Model 1 to 3: No	EN 1856-2:2009
	Model 4 to 5: Yes	
Thermal performance under normal operating conditions	Model 1: T200 Model 2: T400 Model 3,4: T450 Model 5: T600	EN 1856-2:2009
Tensile strength	Model 1 to 5: DN (80-600) up to 10m	EN 1856-2:2009
- Flexural strength of joints	DN (700-1000) No value determined	
- 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 8: Yes	EN 1856-2:2009
Condensate penetration resistance	Model 1 to 3: Yes	
	Model 4 to 5: No	
Resistance against corrosion	Model 1 to 3: V2	EN 1856-2:2009
	Model 4 to 5: V3	
Freeze thaw resistance	Model 1 to 5: 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 1-2-2024

Drs. Simon J. Ramaekers CEO Schiedel Benelux