

# Declaration of performance

Nr. 110-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		<b>MF</b>
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- 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*
		Model 6	DN (100-250) DN (300) DN (350-400) DN (450) DN (500-600) DN (700) DN (800-1000)	T450 - N1 - D - V3 - L50040 - G60** T450 - N1 - D - V3 - L50050 - G60** T450 - N1 - D - V3 - L50050 - G90** T450 - N1 - D - V3 - L50060 - G90** T450 - N1 - D - V3 - L50060 - G120** T450 - N1 - D - V3 - L50060 - G240** T450 - N1 - D - V3 - L50080 - G240**
		Model 7	DN (80-200)	T400 - N1 - W - V2 - L50050 - G(xx)***
		Model 8	DN (80-200)	T600 - N1 - W - V2 - L50050 - G(xx)***

\* Free ventilated  
 \*\* In combustable shaft with ventilated fire stop, BS  
 \*\*\* See installation instructions for G0

# Declaration of performance

Nr. 110-DoP-2024-2-1



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 8 DN (100-300): 30 meter DN (350-450): 15 meter DN (500-600): 12 meter DN (700-1000): 9 meter	EN 1856-1:2009
	Chimney sections, fittings and supports	
Resistance to fire	Model 1 DN (100-300) T200 O10 DN (350- 450) T200 O15 DN (500-600) T200 O20 DN (700-1000) T200 O40	EN 1856-1:2009
	Model 2 DN (100-300) T400 O10 DN (350-450) T400 O15 DN (500-600) T400 O20 DN (700-1000) T400 O40	
	Model 3 DN (100-300) T450 O40 DN (350-450) T450 O60 DN (500-600) T450 O80 DN (700-1000) T450 O160	
	Model 4 DN (100-300) T450 G50 DN (350-450) T450 G75 DN (500-600) T450 G100 DN (700-1000) T450 G200	
	Model 5 DN (100-300) T600 G70 DN (350-450) T600 G105 DN (500-600) T600 G140 DN (700-1000) T600 G280	
	Model 6 DN (100-300) T450 G60 DN (350-450) T450 G90 DN (500-600) T450 G120 DN (700-1000) T450 G240	
	Model 7 DN (80-200) T400 G(xx)*	
	Model 8 DN (80-200) T600 G(xx)*	

# Declaration of performance

Nr. 110-DoP-2024-2-1



Gas tightness/leakage	Model 1	DN (100-1000): P1	EN 1856-1:2009
	Model 2	DN (100-1000): H1	
	Model 3 to 6	DN (100-1000): N1	
	Model 7, 8	DN (80-200): 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 8: 0.51 m <sup>2</sup> K/W tested at 200°C.		EN 1856-1:2009
Thermal shock resistance	Model 1 to 3: No		EN 1856-1:2009
	Model 4 to 8: Yes		
Thermal performance under normal operating conditions	Model 1,2: T200		
	Model 7: T400		
	Model 3,4,6: T450		
	Model 8: T600		
Tensile strength	Model 1 to 8: DN (80-600) up to 10m		EN 1856-1:2009
- 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 1856-1:2009
Condensate penetration resistance	Model 1 to 3: Yes		EN 1856-1:2009
	Model 4 to 8: No		
Resistance against corrosion	Model 1 to 3 & 7,8: V2		EN 1856-1:2009
	Model 4 to 6: V3		
Freeze thaw resistance	Model 1 to 8: 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