

Single wall flue gas evacuation system EW4

This system can be used for all heating appliances with open or closed combustion of gas without condensation. The pipes consist of stainless steel 304 of 0.4 mm or 0.8 mm thick.

Identification	EN1856-1 – T450 – N1 – D – Vm – L20040 – O(200) EN1856-1 – T450 – N1 – D – Vm – L20080 – O(200)
Intended use	Removal of flue gases from fire places to the outside atmosphere from combustion of gas for underpressure without condensation
Manufacturer	PRONOX Venecoweg 22 IZ De Prijckels B-9810 Nazareth T +32 9 381 09 40 F + 32 9 380 40 22

System of assessment and verification of performance: system 2+.

The official certification body with identification n°0749 BCCA (Belgian Construction Certification Association) performed the initial inspection of the manufacturing plant and of factory production control and is responsible for the continuous surveillance, assessment and evaluation of factory production control.

PROPERTIES OF MATERIALS													
Diameter (mm)	111	125	131	139	150	180	200	220	250	300	350	400	
Thickness (mm)	0,4	0,4	0,4	0,4	0,4	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Material	1,4301 - AISI 304												
Min. weight 1000 mm (kg)	1,000	1,100	1,200	1,300	1,400	1,600	1,800	4,000	4,500	5,400	6,300	7,200	
Min. weight 500 mm (kg)	0,500	0,600	0,600	0,600	0,700	0,800	0,900	2,000	2,300	2,700	3,200	3,600	

ESSENTIAL CHARACTERISTICS	PERFORMANCE	§ EN1856-1
Compressive strength	maximum height of 10m between 2 supports	6.2.1.1
Non vertical installation	each component has to be supported separately	6.2.3.1
Wind load	maximum 1 free standing pipe	6.2.3.2
Temperature classification	T450 (tested till 550°C)	6.6.1
Sootfire resistance	not tested	6.4
Distance from flammable materials	200 mm	6.6.1
Thermal resistance	n/a	6.6.3
Gas tightness	N1: better than 2,0l/(s m ²) at 40Pa	6.5
Water vapour diffusion and condensate penetration resistance	no	6.6.4 6.6.5
Flow resistance (pipes)	maximum roughness of 1mm	6.6.7.1
Flow resistance (accessories)	according to 13384-1	6.6.7.2 6.6.7.3
Corrosion resistance	category Vm	6.7.1
Freeze-thaw resistance	yes	6.7.3

The performance of the product ‘Single walled flue gas removal system EW4’ is in conformity with the performance stated above.

This declaration of performance is issued under the sole responsibility of the manufacturer Pronox NV.

Signed for and on behalf of the manufacturer by:

Nazareth, 26 October 2015

Anne Santens, CEO