

## Single wall flue gas evacuation system EW6

This system can be used for all heating appliances with open or closed combustion of gas, oil, wood or carbon. The pipes consist of stainless steel 316L of 0.6 mm thick.

Identification	EN1856-1 – T450 – N1 – W – Vm – L50060 – G(200)
Intended use	Removal of flue gases from fire places to the outside atmosphere from combustion of gas, oil, wood or carbon for underpressure
Manufacturer	<p><b>PRONOX</b></p> <p>Venecoweg 22          IZ De Prijkels          B-9810 Nazareth          T +32 9 381 09 40          F + 32 9 380 40 22</p>

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)	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,8	0,8
Material	1,4404 - AISI 316L											
Min. weight 1000 mm (kg)	1,000	1,800	1,900	2,100	2,200	2,700	3,000	3,300	3,700	4,500	6,900	8,000
Min. weight 500 mm (kg)	1,000	0,900	1,000	1,000	1,100	1,300	2,000	2,200	2,500	3,000	3,500	5,000

ESSENTIAL CHARACTERISTICS	PERFORMANCE	§ EN1856-1
<b>Compressive strength</b>	maximum height of 10m between 2 supports	6.2.1.1
<b>Non vertical installation</b>	each component has to be supported separately	6.2.3.1
<b>Wind load</b>	maximum 1 free standing pipe	6.2.3.2
<b>Temperature classification</b>	T450 (tested till 550°C)	6.6.1
<b>Sootfire resistance</b>	no	6.4
<b>Distance from flammable materials</b>	200 mm	6.6.1
<b>Thermal resistance</b>	n/a	6.6.3
<b>Gas tightness</b>	N1: better than 2,0l/(s m <sup>2</sup> ) at 40Pa	6.5
<b>Water vapour diffusion and condensate penetration resistance</b>	yes	6.6.4 6.6.5
<b>Flow resistance (pipes)</b>	average roughness of 1mm	6.6.7.1
<b>Flow resistance (accessories)</b>	according to 13384-1	6.6.7.2 6.6.7.3
<b>Corrosion resistance</b>	category Vm	6.7.1
<b>Freeze-thaw resistance</b>	yes	6.7.3

The performance of the product ‘Single walled flue gas removal system EW6’ 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