

# EUROPA<sup>®</sup> PLUS

Flanged Stainless Steel High Pressure Twin Wall Chimney System



A Sphering Company



British Built  
Flue System



Commercial  
Application



100-600mm  
Diameter



Multi-Fuel  
Appliances



T600  
Rating



H1  
Rating



Fire Rated  
EN1366-13



20  
Year Product  
Warranty

**EUROPA<sup>®</sup> PLUS is part of the SFL Europa<sup>®</sup> family of products and has been specifically designed for today's high performance appliances and generators, offering an engineered system capable of meeting the demands of high temperature and high pressure applications.**

EUROPA PLUS is suitable for continuous flue gas temperatures up to 600°C and positive pressure applications up to 5000Pa (H1), making EUROPA PLUS the ideal product for electrical generators, combined heating and power as well as traditional chimney applications. The product has also been tested under soot fire conditions at 1000°C for 30 minutes.

EUROPA PLUS is a prefabricated stainless steel exhaust vent, available in a range of insulation thickness to meet the most demanding applications. As standard, EUROPA PLUS is offered as a twin wall 25mm insulated stainless steel exhaust vent and is available in twelve internal diameters ranging from 100mm to 600mm. In addition, the EUROPA product extends the EUROPA PLUS diameter range up to 1200mm.

EUROPA PLUS offers a unique flanged jointing system incorporating a composite graphite gasket. Unlike other systems, EUROPA PLUS requires no sealant and associated cure time, making installation quick and efficient, with a joint that is consistently pressure and water tight. The joint is secured with a Patented U-Band that allows the flange to expand and contract within its profile, further protecting the joint and protecting the joint over the life of the system.



## Typical Applications

- Generators
- CHP
- Particle Extraction
- Kitchen Extract Ducts
- Commercial Boilers
- Condensing Appliances
- Off-Shore Installations
- Smoke Extraction
- Fire Rated Compartments



PRODUCT &  
DOWNLOADS  
QR CODE

UL tested for positive pressures up to 14945Pa at 760°C



Table A

EUROPA PLUS Commercial Product Designations to BS EN 1856-1							
Standard	Diameter Range	Temperature Class	Pressure Class	D = Dry W = Wet	Corrosion Class	Material Specification Liner Grade 316L Liner Thickness 0.6mm	Sootfire Resistance G= Yes 0= No
BS EN 1856-1	DN100-DN300	T600	HI	W	V2	L50060	G50 <sup>1</sup>
BS EN 1856-1	DN350-DN450	T600	HI	W	V2	L50060	G75 <sup>1</sup>
BS EN 1856-1	DN500-DN600	T600	HI	W	V2	L50060	G100 <sup>1</sup>
BS EN 1856-1	DN100-DN300	T600	HI	W	V2	L50060	G100 <sup>2</sup>
BS EN 1856-1	DN350-DN450	T600	HI	W	V2	L50060	G150 <sup>2</sup>
BS EN 1856-1	DN500-DN600	T600	HI	W	V2	L50060	G200 <sup>2</sup>

**Notes**

- (1) Distance to combustible material in open environment
- (2) Distance to combustible material when enclosed within a combustible ventilated shaft

**Approvals**

EUROPA PLUS is CE and UKCA certified to BS EN 1856-1, certificate No. 2797-CPR-496040 and 0086-CPR-740592 respectively to the performance designations as detailed in Table A above

**Fire Resistance**

EUROPA PLUS has been tested to BS EN 1366-13 Fire Resistance Tests for Service Installations (Chimneys) achieving the following classification to BS EN 13501-2.

**EI 180 (i→o) h<sub>o</sub> v<sub>e</sub> Type A**

The integrity has also been assessed for a period of 4 hours under the general principles of BS 476 Part 20.

**Quality**

All components are manufactured under a quality management system, certificate No. FM557622, administered by The British Standards Institute in accordance with BS EN 9001: 2015.

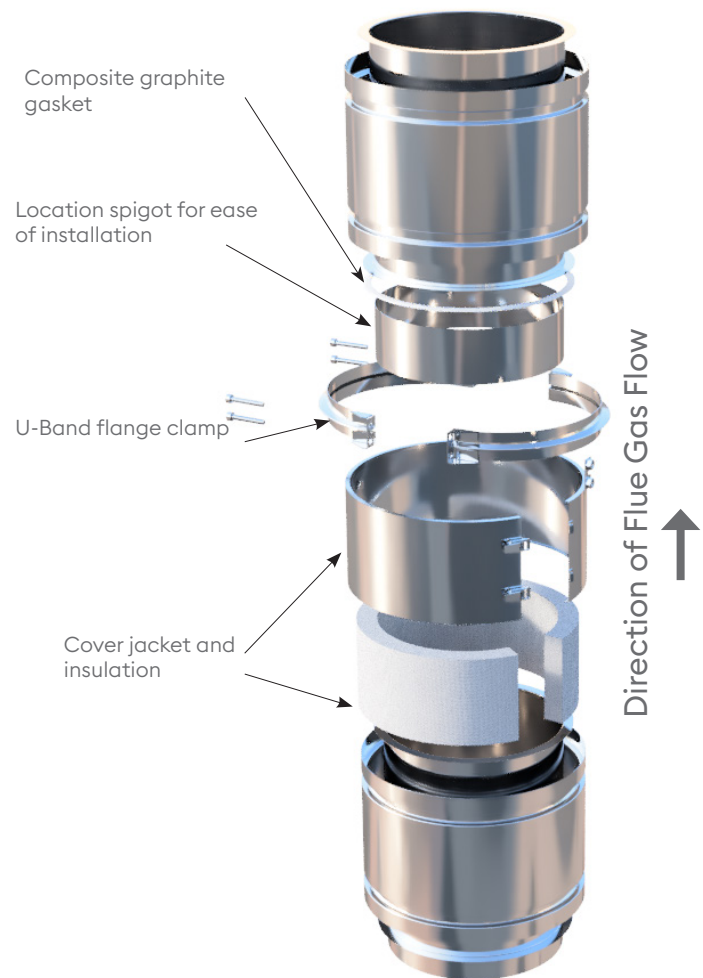
**Construction**

EUROPA PLUS is fabricated with a laser welded 0.6mm 316L (1.4404:X2CrNiMo 17-12-2) stainless steel inner liner and a grade 304 (1.4301:X5CrNi18-10) outer case. As standard, the 25mm annulus is insulated with a high density body soluble AES blanket to ensure rapid draught stabilisation and low surface temperature. Options are also available for 50mm and 100mm thick insulation for high temperature application or where the surface temperature needs to be controlled. The joint is of a flanged construction and features a unique composite graphite gasket to achieve a pressure tight joint. The joint is secured with U-Band flange clamp. Insulation is then applied around the joint and the joint is finished with a Channel Band.

**Warranty**

The EUROPA PLUS range is backed up with a comprehensive 20-year product warranty. The 20-year warranty is a measure of our confidence in the quality and reliability of our flue systems and gives added peace of mind for any installation.

**Product Construction**



**IMPORTANT (Always Read The Installation Instructions)**

For detailed information regarding design, installation and application of this product, please refer to the separate installation instructions available on the website which can also be accessed from the QR code.

**Partner with us, succeed together.**

Do you need any assistance with your residential or commercial flue project? Our team of experts are on hand to help you at every stage. We offer design assistance, site surveys and work with experienced installers who offer full turnkey packages tailored to your needs.

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