
Selkirk Solutions



Finding
the perfect
solution for
your Vents,
Flues and
Chimneys





SELKIRK

Wherever they are used, Selkirk Chimney and Exhaust systems are so versatile they provide a world of different solutions



SYSTEM APPLICATIONS

Chimney systems

- Building Supported Chimneys (internal and external)
- Mast Supported Chimneys Single post - square or circular
- Multi-leg Frame Square, triangular or rectangular
- Windfield Chimneys
- Chimney relining systems
- Ducton air flow systems
- Boiler flue pipes for balanced draught flue systems

Exhaust systems

- Generator/turbine exhausts
- Incinerator exhausts
- Furnace cupboard exhausts
- Industrial process exhausts
- Kitchen/roasting equipment exhausts
- Car park ventilation

Offshore Oil & Gas applications

- Engine exhausts
- Fire rated leg ventilation ducts
- Kitchen/roasting equipment
- Smoke extract ducts

Smoke extract systems

- Fire rated smoke ducts
- Fire rated ventilation ducts

Laundry/refuse chutes

NOTABLE PROJECTS

- Palace of Westminster - London Boiler Chimneys
- Building Research Establishment FRS Burshall - Gasston Smoke Exhaust Ducts
- Brentalls Retail Complex - London Smoke Extract Ducts
- National Exhibition Centre - Birmingham Boiler Chimneys and Generator Exhausts
- University of Nottingham Boiler chimneys
- Royal Devon and Exeter Hospital Boiler chimneys and Generator Exhausts
- Tall Ely Hospital - Bridgend Boiler chimneys and Generator Exhaust
- Royal Bank of Scotland HQ - Edinburgh Boiler chimneys and Generator Exhaust
- University of Dundee - Dundee C.H.P. Exhausts
- Siemens Ltd. - Walsend Boiler chimneys
- Royal Armouries - Leeds Boiler chimneys
- Stormont Buildings - Belfast Boiler chimneys
- Waterford Crystal Ltd. - Waterford Generator Exhausts
- Waterfront Hall - Belfast Boiler Chimneys and Generator Exhausts



Cover photo

The front of the Building Research Establishment, London

Selkirk - An introduction to the first name in prefabricated stainless steel chimneys

In the sixty years since Selkirk invented prefabricated chimney systems, the company has established itself as the world's leading producer. In a wide range of applications throughout the world, Selkirk systems create aesthetically pleasing solutions to practical chimney and exhaust problems.

This brochure is intended as an introduction to the many possibilities provided by the company and its systems.

- **EUROPA** What are the Selkirk Systems and what are they designed to do?
- **SM W**
- **SM**
- **SUPRA**
- **QC**
- **IL**
- **SW**
- **ANCILLARIES**

- **Fire Rated Products to BS476 Loss Prevention appraised under CC881971**

The Selkirk range of systems has been carefully formulated to provide products that meet the highest standards of design, manufacture and performance required throughout the world.

Optimum chimney performance is achieved through combinations of inner linings and insulation to cater for varying flue gas volumes and temperatures. Whatever a project demands, there is usually a Selkirk system to suit. And wherever a Selkirk system is used, you can be sure it meets all statutory requirements and standards.

Selkirk products are approved in numerous countries world wide, and whilst CE marking is not yet possible for the chimney and exhaust market, the essential requirements dictated by the European Legislation relating to chimneys can already be met by the range of Selkirk products.

How do you select the right system or combination of systems

for your project?

Each Selkirk system has been designed and manufactured to meet the exhaust gas requirements of specific fuel types in given situations.

Each system is comprehensively tested up to and beyond its design limits at the company's extensive research and development facilities in Barnstaple. This testing provides reliable

performance statistics upon which project calculations can be based.

Installations must also, of course, take into account the statutory requirements and standards of the country in question. To aid selection, Selkirk publish full product information on each of their systems and the company's Technical/Contract Services Department is always available where assistance is required.



- From Selkirk's European network of Specialist Distributors
- Direct contact with Selkirk's Technical/Contract Services Department

Selkirk's Technical Services /Contracts Department, and many of the Specialist Distributors can provide a complete design quotation, supply and installation service. This service can include items of builders work and other subcontractors work necessary to provide a complete 'turnkey' facility.

The result is chimney solutions that not only meet the required performance criteria but also enable installation to be carried out effectively and efficiently.



What you need to know about the Clean Air Act

Selkirk are very much aware that their systems handle gases and products which are discharged to an already sensitive atmosphere. We therefore are very conscious of the need for our environment to be protected particularly where legislation demands.

The Clean Air Act currently in force in the UK aims at controlling the emission of pollutants into the air we breathe.

For commercial/industrial boiler plant and diesel generators, the Act requires chimney heights to be calculated on environmental considerations. Specific guidance as to the minimum discharge height is set out in the Third Edition of the 1956 Clean Air Act Memorandum for all combustion plant burning fossil fuels, as well as in Technical Guidance Note (Dispersion) D1, which covers all other circumstances, including diesel generators, incinerators and process plant.

The final height in every instance must be approved by the local Environmental Health Department.

Regardless of aesthetics or chimney type, compliance with the Act is a legal requirement for any chimney construction or fuel.

Please ask for our separate booklet 'The Clean Air Act, Chimney Discharge Heights - What you need to know', for essential information.



What types of technical support can Selkirk provide for your project?

In order to help ensure successful design and installation of systems, Selkirk provide a full range of technical services.

Product information is provided in the form of comprehensive technical brochures available for each system. Information is also available on computer disc for use on CAD systems. All the drawings in this brochure have been based on original drawings produced using this facility. For further details see page 18.

In addition, Selkirk experience and expertise is available through:

- Site visits by Selkirk's mobile technical sales team whose individual extensive knowledge is backed up by lap-top computer based technology to provide site analysis, application advice, and project design including product selection and sizing to specifying design engineers.



The following examples of Selkirk applications are not actual case studies. They represent the uses of combustion equipment and Selkirk systems in various typical applications, and do in some cases illustrate how the Selkirk product can be applied to provide a unique solution to specific problems. ▶▶▶▶▶