

HARGREAVES  
A COMPANY OF THE M+W GROUP

FIRE  
SYSTEMS



Advanced Fire Rated  
Ductwork Solutions



- ◀ **Top left.** Nuclear Power Facilities - HFS is widely installed in Nuclear Power facilities across the UK
- Top middle.** Spinningfields Manchester - HFS extensively used within restaurants and stores
- Top right.** St Pancras Station - HFS used throughout rail facilities in the UK
- Main.** Manchester Airport - Over 3km of HFS installed

## About Hargreaves

Hargreaves is the UK's leading provider of specialist air-movement, heating, ventilation, ductwork and containment solutions.

With over 140 years of manufacturing expertise, Hargreaves delivers to the most exacting safety, quality and performance standards.

Applying state-of-the-art design technology and lean manufacturing techniques, Hargreaves is able to offer a complete high-integrity system service from concept, initial design and engineering through to full fabrication and installation.

Hargreaves products and services are all provided through independently assessed management systems certified against ISO 9001, ISO 14001 and OHSAS 18001 as standard.

With extensive in-house design expertise, flexible production capabilities as well as skilled logistics and installation teams, Hargreaves has a demonstrable track record of delivering the most complex projects to the highest performance criteria.

**Top left.** Channel Tunnel Rail Link - HFS installed throughout this prestigious project ▶

**Top middle.** National Graphene Institute - HFS used throughout

**Top right.** Wembley Stadium - HFS installed in over 250 food outlets

**Main.** City Hall London - HFS used throughout this iconic building

## What are Hargreaves Fire Systems (HFS)?

Hargreaves Fire Systems (HFS) consist of premium performance certified fire rated smoke extract rectangular ductwork, flat oval, circular, insulated and single skin fire rated ductwork, specifically developed to meet the demanding fire protection needs of buildings.

Hargreaves is a pioneer in the field of CE marked non-coated fire rated smoke extraction ductwork within the UK and Ireland. Hargreaves' commitment to conformity and quality excellence resulted in a considerable investment to ensure compliance to the new

Construction Product Regulations (CPR).

Testing has been undertaken in accordance with BS476 part 24:1987 and EN1366 parts 1 and 8.

Offering its customers unique, tailor-made solutions to suit their specific system requirements, whether it be on a supply-only basis or a multi million pound turnkey project, Hargreaves delivers to the most exacting timescales and standards every time.

## What makes **HARGREAVES** | **FIREM SYSTEMS** different?

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### **The UK's premier supplier of CE marked non-coated Fire rated ductwork**

Hargreaves is in a unique position to supply a full system of CE marked smoke control ductwork, including all support and associated ancillaries.

**Made In Britain** HFS is manufactured in Britain to the highest standards offering clients product performance certainty.

### **Reducing the Carbon Footprint**

Hargreaves' manufacturing process is designed to create minimum waste, supported by ISO 14001 Environmental Management System which in turn helps

clients to achieve their individual environmental goals.

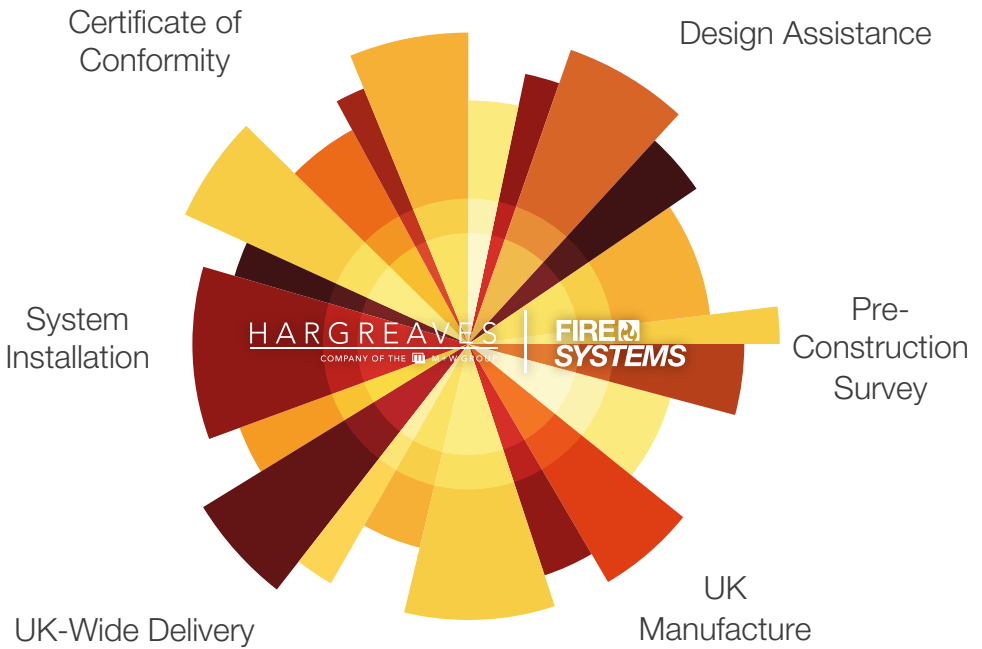
**Proven Track Record** With over 25 years of experience in manufacturing robust non coated fire rated ductwork Hargreaves products have become renowned throughout the industry for quality and reliability.

**Installation Guarantee:** A member of Hargreaves' team will inspect the project upon completion and subject to the installation being in-line with Hargreaves pre-advised criteria a certificate of conformity will be provided.





# Supplying a complete Fire System



## What is CE Marking?

CE Marking (originally Conformité Européene) demonstrates compliance with the appropriate manufacturing standard for a product.

CE Marking for all construction products that are covered by a harmonised European standard became mandatory on 1st July 2013. Hargreaves has CE Marked its product in line with the harmonised standard EN 12101-7:2011, successfully achieving [2 hours!]

Many bodies that enforce CE marking legislation do so to prevent misuse of CE marking to ensure that product safety is maintained.

The following bodies, amongst others, are responsible for CE marking enforcement in the UK:

- Trading Standards Services
- Health and Safety Executive
- The National Measurement Office

## Testing

Hargreaves' commitment to testing and continual improvement can be demonstrated by the financial investment made to achieve certification to the European standard.

In order to comply with the product standard BS EN 12101-7:2011 and provide a versatile system that can function in all modern buildings the following tests are required:

BS EN 1366-1:1999 for a Duct A, then a Duct B. These must be conducted in both the horizontal and vertical orientations.

Following these it is then further tested in accordance with the standard: BS EN 1366-8:2004 for a Duct C, which has additional requirements to ensure it is suitable for a smoke control duct application.

Additionally, all sealants and gasket materials have been tested by NAADUK, retaining integrity throughout the process.

Further information can be found in Hargreaves' specification sheet, available on request.





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