

James Walker[®] Townson

Power: Fossil Fuel



High Performance Expansion Joints



Comflex® Expansion Joints

James Walker Townson has been actively involved in the supply and development of fabric expansion joints for many years and is generally regarded as one of the leading suppliers for these products. The range available covers all applications from the boiler roof top through boiler penetration seals, inlet air and gas exhaust ducts, air heater internal seals hot and cold side, and main gas ducting out to the stack.

Comflex® roof top and penetration seals are required to cater for extremely arduous conditions of high movements and high temperatures combined with aggressive, corrosive conditions resulting from the fossil fuel combustion process. James Walker Townson utilises a range of fabric materials, which are selected and combined to provide the ideal solution for these applications, improving efficiency, containing gases, protecting the environment and preventing the ingress of air.

Depending on the type of air heater installed, these sometimes utilise fabric seals on the inside, both hot and cold end, to accommodate movement and wear of internal components. This is a particularly arduous application and James Walker Townson has developed a unique range of materials to provide long trouble free service under these conditions.

Main gas duct conditions vary from high temperature at the boiler outlet before the air heaters to low temperature on route to the stack.

These areas require different design approaches in order to compensate for the differing internal environments - an area in which James Walker Townson has developed market-leading experience over many years of supplying successful solutions with the Comflex range of products.

The development of Flue Gas Desulphurisation (FGD) for environmental protection has led James Walker Townson to develop more sophisticated materials capable of operating in very aggressive low temperature conditions, which standard products could not accommodate satisfactorily.

It is important to ensure at all times that the Comflex materials are installed correctly and for this reason James Walker Townson offers a complete installation service to ensure that its Comflex expansion joints operate trouble free for many years.

In addition, the company provides an expansion joint thermographic survey service together with 24/7 emergency breakdown cover. (24/7 cover is available only in the UK)



Sling rod seals



Penetration seals



Air heater seals



Duct seals

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