

**James Walker**® **Townson**

# Expansion Joints & Services for Flue Gas Desulphurisation Plants



A full turnkey service for expansion joints in FGD systems



## Expansion Joints & Services for Flue Gas Desulphurisation Plants

Expansion joints play a vital role in flue gas desulphurisation (FGD) systems by accommodating movement due to thermal and mechanical changes in the ductwork. They need to be resistant to the highly corrosive conditions produced by the flue gases with their highly acidic SO<sub>x</sub> content.

A full range of expansion joints and services for FGD applications is offered by James Walker Townson. One of Europe's leading specialists in the design, manufacture and installation of expansion joints, the company has over 20 years of experience in the field.

In fact, James Walker Townson manufactured and installed the expansion joints for the FGD systems at the coal-fired Drax power station, in what was at

the time the largest flue gas desulphurisation project in the world. It continues to supply Drax with expansion joints and services, and has a framework agreement for maintenance of the expansion joints in the FGD systems.

As well as the supply and maintenance of expansion joints, James Walker Townson offers a complete turnkey package, with a comprehensive service for the design, supply, installation and maintenance of expansion joints for FGD systems.

James Walker Townson expansion joints for FGD systems are available manufactured from state of the art fluoroplastics or fluoroelastomer materials, including Viton<sup>®</sup> B.

Both material types ensure long service life by retaining their flexibility and offering excellent resistance to the sulphur oxides and other aggressive components of flue gas.



Viton<sup>®</sup> is a registered trademark of DuPont Performance Elastomers.

### Expansion Joint Emergency Hotline

James Walker Townson operates a hotline for companies with expansion joints that are giving rise to concern or approaching the end of their operating lifetime. Manned by UK based engineers 24 hours a day, 7 days a week, the hotline guarantees a visit by a highly qualified Townson engineer to inspect the expansion joints anywhere in the UK within 24 hours. Call toll-free on **0800 783 3022**.



**Health warning:** If fluoroelastomer (eg, FKM, FFKM, FEPM) products are heated to elevated temperatures, fumes will be produced which may give unpleasant effects, if inhaled. Whilst some fumes are emitted below 250°C from fluoroelastomers, the effect at these temperatures is negligible. Care should be taken to avoid contaminating tobacco with particles fluoroelastomer which may remain on hands or clothing. Material Safety Data Sheets (MSDS) are available on request.

Information in this publication and otherwise supplied to users is based on our general experience and is given in good faith, but because of factors which are outside our knowledge and control and affect the use of products, no warranty is given or is to be implied with respect to such information. Unless governed by type approval or contract, specifications are subject to change without notice. Statements of operating limits quoted in this publication are not an indication that these values can be applied simultaneously.

To ensure you are working with the very latest product specifications, please consult the relevant section of the James Walker website: [www.jameswalker.biz](http://www.jameswalker.biz).

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