

James Walker®

Supagraf® PremiPak combination packing sets

- *Superior stem sealing for valves*
- *Low friction*
- *Excellent VOC emissions control*
- *Conforms to Shell material specifications MESC SPE 85/203 & 85/204*



High Performance Sealing Technology



Supagraf® PremiPak

Superior combination packing sets for valves

Description

In James Walker's new Supagraf® PremiPak, two of the company's class-leading fugitive emission control products come together to provide a combination packing that conforms to the Shell material specifications MESC SPE 85/203 and 85/204.

Typical applications

Supagraf® PremiPak has been designed for stop valves and control valves performing arduous duties with media such as hydrocarbon liquid fuel and gases. This product is also recommended for most applications requiring fugitive emission control, with maximum working temperature capabilities of +450°C.

Prime features

- **Conforms to Shell MESC SPE 85/203 and 85/204.**
- **Reduced valve stem shudder and hesitation.**
- **Low break-out friction.**
- **Long working life with minimal maintenance.**

Construction

Supagraf® PremiPak combination sets comprise a top and bottom ring in Supagraf® Premier braided material with three intermediate Supagraf® Moulded Rings of high purity graphite.

Supagraf® Premier is a best available technique (BAT) product for reducing fugitive emissions in line with the European Union's IPPC Directive.



The product is third-party verified to TA Luft standards for VOC emissions control, and emerged top of its class in independent tests run on behalf of CAPI Group (Akzo Nobel, Shell, Dow and DSM).

This cost-effective compression packing is manufactured in exfoliated graphite, reinforced in a novel way to provide additional strength plus resistance to pressure and extrusion. It incorporates an advanced lubricant system that prevents the pick-up of graphite on the valve stem.

Supagraf® Moulded Rings are high efficiency graphite sealing rings moulded to precise density and size. Manufactured from expanded high purity graphite foil without binders, elastomers or fillers these rings offer outstanding sealing performance over long adjustment-free periods.

Chemical properties

Chemically inert within the range pH 1-14, excluding strong oxidising agents.

Typical service capabilities

Valve stem duties

Maximum temperature +450°C
Minimum temperature -200°C
Max system pressure 25MPa

How supplied

Precision moulded rings in endless form or with single split to meet customers' requirements.

Sections: 3mm to 40mm.

Diameters: 5mm to 500mm ID.

Full fitting instructions are included.

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

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