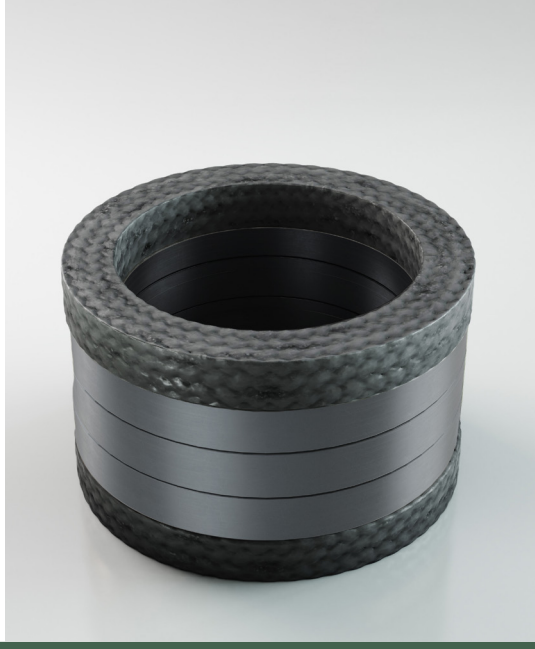
Supagraf®
100FXI CS



Ultra-low emission combination packing set

Supagraf® 100FXI CS is the first packing qualified to API 622, Annex C (HT), 2022 and ensures ultra-low emissions performance even at high temperatures combined with zero corrosion and virtually zero friction.

End rings: Braided high-purity packing made from expanded graphite inconel wire mesh jacketed yarn for high strength and extrusion resistance with excellent sealability. The packing is impregnated with a high temperature resistant, proprietary emulsion to ensure ultra-low friction.

These rings conform to Shell material specification MESC SPE 85/204.

Intermediate rings: Special moulded rings of high purity graphite foil, that offer low friction and excellent heat transfer characteristics, plus high efficiency sealing.

These rings conform to Shell material specification MESC SPE 85/203.

Prime features

- First packing qualified to API 622, Annex C (HT) 2022 requirement - Yarmouth Research and Technology, USA.
- Unrivalled low emissions: 10 to 12 ppm maximum leakage across the size over 1510 cycles with no adjustments.
- Certified Fire Safe to API 607 8th edition with zero leakage during and after fire.
- Zero corrosion in both ambient and high temperature operation under API 622 testing.
- Ultra-low friction even at high endurance. (Tested friction factor: 0.1)
- All materials are PFAS surfactant free.
- Extremely low oxidation loss.

Typical applications

Stop valves and control valves performing arduous duties with media such as hydrocarbon liquid fuels and gases. Applications requiring VOC fugitive emission control to 100ppm or better, with a maximum working temperature of up to +538°C (+1000°F).

Chemical properties

Compatible with media in the range pH 0-14, excluding strong oxidising agents.

How supplied

As precision moulded rings in endless form, or with single split, to meet customers' requirements.
Sections: 3 mm to 40 mm ($1/8$" to $1\,9/16$").
Diameters: 5 mm to 500 mm ($3/16$" to $19\,3/4$") ID.

VALVE STEM DUTIES

Maximum Operating Temperature:
+538°C (+1000°F)
Minimum Operating Temperature:
-196°C (-320°F)
Maximum System Pressure:
30 MPa/300 bar (4350 psi)

APPROVALS

Shell MESC SPE 85/203
Shell MESC SPE 85/204
Shell MESC 77/312
API 624 2nd edition Annex-D (HT)
API 641 2nd edition Annex-C (HT)
API 622 3rd edition Annex C (HT)
API 607 8th edition Fire Safe
ISO 15848-FE-AH-CO1-SSA0-t (RT to 400°C)
ISO 15848-FE-AH-CO2-SSA1-t (RT to 400°C)

James Walker

James Walker Worldwide

Australia
T: +61 2 9721 9500
E: sales.au@jameswalker.biz

Belgium
T: +32 3 820 79 00
E: sales.be@jameswalker.biz

Brazil
T: +55 11 4392 7360
E: sales.br@jameswalker.biz

China
T: +86 21 6876 9351
E: sales.cn@jameswalker.biz

France
T: +33 437 49 74 80
E: sales.fr@jameswalker.biz

Germany
T: +49 4038 60810
E: sales.de@jameswalker.biz

India
T: +91 224 0808080
E: sales.in@jameswalker.biz

Ireland
T: +353 214 323626
E: sales.ie@jameswalker.biz

Italy
T: +39 2 2578308
E: sales.it@jameswalker.biz

Middle East
T: +971 481 78888
E: sales.jwme@jameswalker.biz

Netherlands
T: +31 186 633111
E: sales.nl@jameswalker.biz

New Zealand
T: +64 9 272 1599
E: sales.nz@jameswalker.biz

Norway
T: +47 22 75 75 00
E: sales.no@jameswalker.biz

Singapore
T: +65 6715 6300
E: sales.sg@jameswalker.biz

South Africa
T: +27 31 304 0770
E: sales.za@jameswalker.biz

Spain & Portugal
T: +34 94 447 00 99
E: sales.es@jameswalker.biz

UK
T: +44 1270 536000
E: sales.uk@jameswalker.biz

USA
T: +1 708 754 4020
E: sales.jwna.us@jameswalker.biz

James Walker Sealing Products & Services Ltd

Registered Office: Lion House, Oriental Road,
Woking, Surrey GU22 8AP, United Kingdom.

Reg no: 00264191 England

James Walker

Issue number 1
BP4941 0224/PDF