



**WILLIAM JOHNSTON**  
& COMPANY LIMITED

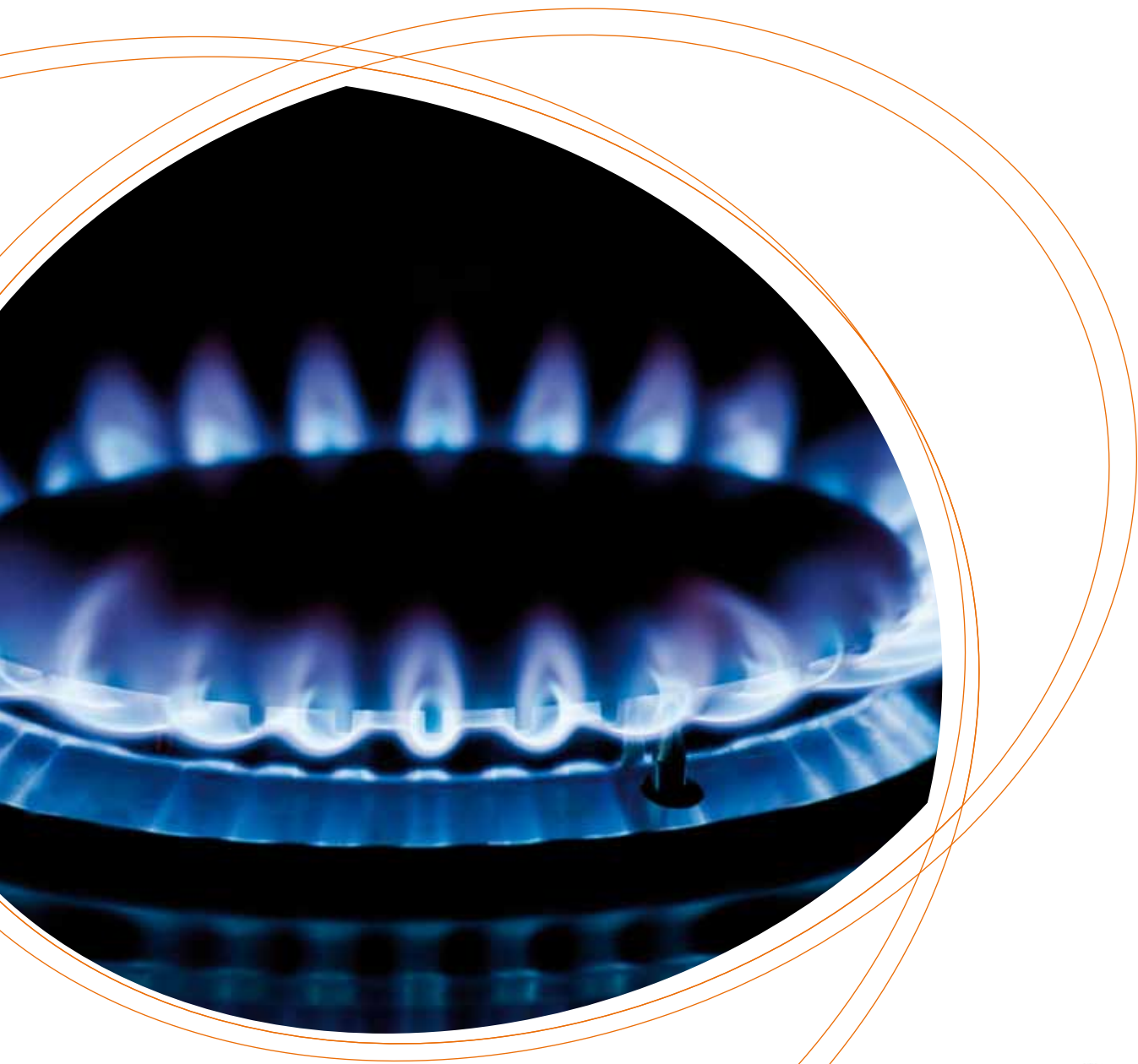
**TECHSEAL**

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REINVENTING  
TECHNOLOGY FOR  
SEALING APPLICATION



NATURAL GAS & LPG SEALING SOLUTIONS



Reinventing how cork engages the world.



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# THE QUALITY SEAL FOR GAS & LPG APPLIANCES

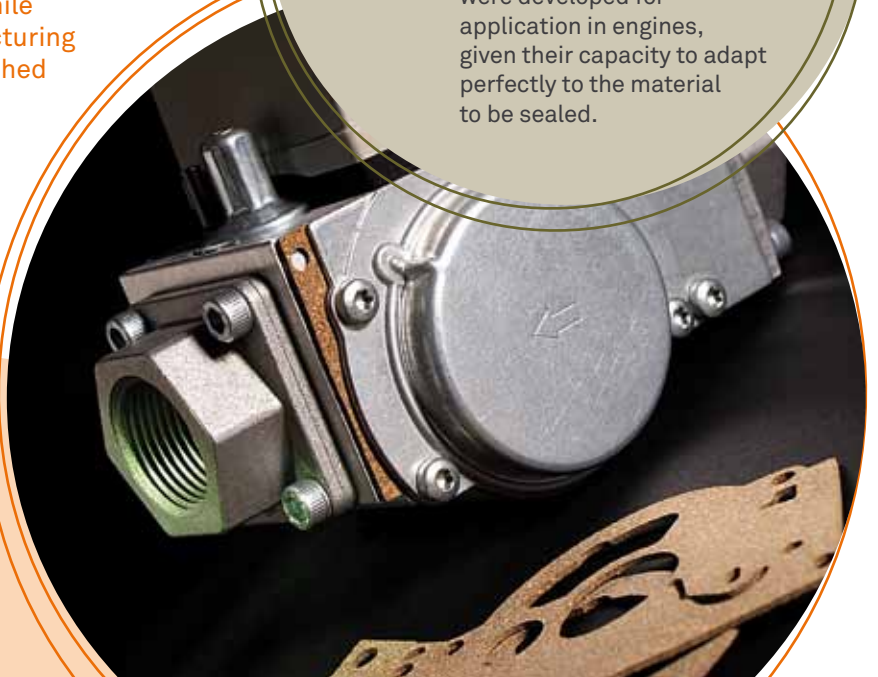
**William Johnston & Company Limited** has many years of experience in providing sealing solutions to numerous industries, supplying engineering support during product development, giving a global advantage when it comes to designing sealing systems, and allowing for overall optimised sealing solution to our clients.

**Techseal** products are designed to withstand the requirements of Natural Gas & LPG appliances, valves, devices or gas installations, while providing our customers with manufacturing options that will ensure a reliable finished component or product.



## REINVENTING SUSTAINABILITY FOR THE FUTURE

Cork and rubber gaskets were developed for application in engines, given their capacity to adapt perfectly to the material to be sealed.



# Product range

	TS1028	TS1302	TS5500	TS7090
<b>KEY REQUIREMENTS</b>				
Natural Gas	●	●	●	●
Liquid Petroleum Gas	●	●	●	●
High Temperature Resistance (°C)	125	125	90	110
High Load Bearing	++	+++	+	+
Low Load Bearing	++	+	+++	+++
<b>CERTIFICATIONS &amp; APPROVALS</b>				
NP4464 <sup>(a)</sup>	✓	✓	✓	✓
UI157 <sup>(b)</sup>		✓ (1)		
DIN 3535 part 5 <sup>(c)</sup>	✓ (2)			
JIA C001 <sup>(d)</sup>				✓
EN 30.1.1, part 6.1.1.2 <sup>(e)</sup>	✓	✓		

● Suitable    ✓ Complies

<sup>(1)</sup> UL listed N° JMST2.MH2117

<sup>(2)</sup> DVGW Certificate N° NG-5121BQ0521

<sup>(a)</sup> Cork/Rubber materials for tightness joints used in gas appliances, valves, devices and gas installation.

<sup>(b)</sup> Gaskets and Seals, requirements cover test procedures and performance criteria for the evaluation of nonmetallic gasket and seal materials for specific end products.

<sup>(c)</sup> Rubber/Cork and rubber/cork synthetic fibre based gasket materials for use with gas valves, gas appliances and gas pipe work.

<sup>(d)</sup> Japanese gas appliance inspection association.

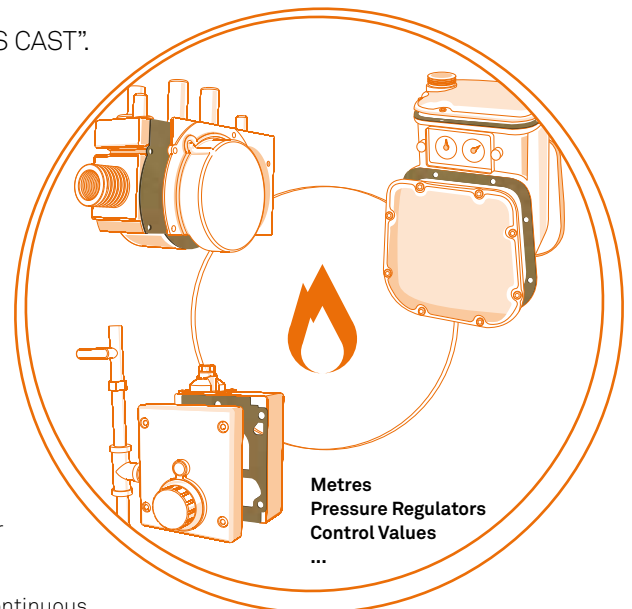
<sup>(e)</sup> Domestic Cooking Appliances Burning Gas, Durability of Sealing Materials.

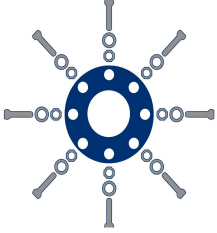
## Characteristics and advantages

- Tolerance to extreme surface finishing conditions such as “AS CAST”.
- Conformable to flanges with higher “out-of-flatness” values, such as stamped steel and plastic covers.
- Lower bolt torques possible.
- Fewer fasteners in the system.
- Smaller or Lower grade fasteners.
- Allows for components with less mass and more distortion.
- Good chemical compatibility with burning gases.
- Low gas permeability.
- Very low side-flow improving crush-out resistance.
- Easy to fabricate.

Cork and rubber gaskets were developed for application in engines, given their capacity to adapt perfectly to the material to be sealed.

For recommended service conditions regarding gasket average loading and continuous working temperature, please refer to our **Material Data Sheets**.





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Disclaimer

Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.

