

Metal to Metal Seal System

Caledyne

Innovation and Integrity by Design

Unit 24, Twin Spires

Mugiemoss Road

Aberdeen AB21 9BG

Tel: +44(0)1224 826827

Fax: +44(0)8704 602155

www.caledyne.co.uk

sales@caledyne.co.uk

Caledyne

Innovation and Integrity by Design

The Caledyne Metal to Metal Seal

Introduction

The Caledyne MTM seal has been developed as a direct replacement of traditional rubber sealing technologies. It offers a significant performance advantage in high-temperature and high-pressure environments where traditional rubber seals would fail. The MTM seal is designed to provide a reliable, long-lasting seal that can withstand the most demanding well conditions.

The MTM seal is a direct replacement for traditional rubber seals. It is designed to provide a reliable, long-lasting seal that can withstand the most demanding well conditions. The MTM seal is made of high-quality metal and is designed to provide a reliable, long-lasting seal that can withstand the most demanding well conditions.

The CMTM opens up the potential to complete hotter and more aggressive wells using this seal rather than traditional rubber seals. This is because the CMTM seal is made of metal and can withstand much higher temperatures and pressures than rubber seals.

The CMTM has several key advantages over rubber seals:

Temperature rating

The CMTM seal is designed to operate at much higher temperatures than traditional rubber seals. It can withstand temperatures up to 500°C, which is a significant improvement over rubber seals that typically fail at temperatures below 200°C.

Chemical compatibility

The CMTM seal is made of high-quality metal and is therefore highly resistant to a wide range of chemicals and acids. This makes it a much more reliable seal for use in aggressive well environments where traditional rubber seals would be quickly degraded.

The CMTM seal is also designed to provide a much more reliable seal than traditional rubber seals. It is made of high-quality metal and is therefore highly resistant to wear and tear. This means that the CMTM seal will last much longer than a rubber seal, reducing the need for frequent seal changes and the associated costs.

The CMTM seal provides a further cost saving to operators as a single CMTM is suitable for any well environment regardless of the well conditions. This is because the CMTM seal is made of metal and can withstand the most demanding well conditions, making it a versatile and reliable seal for use in a wide range of well environments.

The CMTM seal is also designed to provide a much more reliable seal than traditional rubber seals. It is made of high-quality metal and is therefore highly resistant to wear and tear. This means that the CMTM seal will last much longer than a rubber seal, reducing the need for frequent seal changes and the associated costs.

Pressure Rating

The CMTM seal is designed to operate at much higher pressures than traditional rubber seals. It can withstand pressures up to 10,000 psi, which is a significant improvement over rubber seals that typically fail at pressures below 5,000 psi.



Sliding Sleeve



CRBP

