

# Mechanical Pressure Measurement

## Flange-type chemical seal with PTC coating

Chemical seals with PTC coatings are applied wherever wear or adhesion problems or electrostatic charges do occur. They are suitable for media such as liquid concrete, loess, coffee, pulp, glue, fertiliser, biogas...

The PTC coating is also approved for use in the food industry.

PTC coatings enhance the mechanical properties of stainless steel chemical seals and increase the service life in case of difficult media. With the PTC coating on our High-Soft Membrane, no measurable additional errors occur. In-line seals and flange-type chemical seals with extension tube are also ideally suited for PTC coatings. PTC coatings of special materials upon request.

## highly scratch-resistant and wear-reducing for abrasive media and extreme medium temperatures

### Improved Features with PTC Coating

- ◆ High temperature resistance  
-90 °C / +400 °C (-240 °C / +900 °C)\*  
(-130 °F / +752 °F [-400 °F / +1652 °F])
- ◆ No change in measurement results
- ◆ Even the most difficult shapes can be coated
- ◆ No adhesion of media

### PTC Properties

- ◆ Anti-adhesive
- ◆ Low friction coefficient
- ◆ High load capacity
- ◆ Exceptional durability
- ◆ Resistant to detergents
- ◆ Antistatic
- ◆ Extreme hardness
- ◆ Excellent thermal conductivity (99.8 %)

\* temperature resistance of the coating



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