



## Cold-pressed Chemical seal with PTFE foil

**KCT procedure for an even better connection and temperatures up to max. +260 °C (+500 °F)**

Chemical seals are attached when the medium should not come in contact with the pressure measuring instrument. Especially with media which are toxic and ecologically damaging or for which corrosion resistance has to be ensured, but also for regulations regarding hygiene, the application of chemical seals is inevitable.

When most challenging measuring tasks have to be met chemical seals with PTFE foil are used among others.

We have developed a new procedure - the KTC procedure - that advances the characteristics of chemical seals with PTFE foil and therewith extends the field of application.

With this procedure we have the ability to apply the PTFE foils in a way that a very thin, homogenous working compound is created that has a positive effect on the capacity of the chemical seal. Even difficult shapes (e.g. clamp chemical seals) can be treated with foils due to the new procedure.

### Industries / Applications



Food



Chemistry and petrochemistry



Pharma



### Improved features with KCT technology

- ◆ High temperature resistance (-10 °C to +260 °C) (14 °F to 500 °F)
- ◆ Applicable up to 400 bar (5,000 psi)
- ◆ Highly vacuum resistant at 100 °C (212 °F) (typically)
- ◆ PTFE foils up to 0.5 mm (0.02") can be processed, with negligible influence on the measurement result
- ◆ Difficult shapes can be finished with foil (e.g. clamp chemical seals)
- ◆ Chemical seals made from special materials (e.g. tantalum) can be finished with foil

### Characteristics of PTFE

- ◆ High chemical resistance (even with aggressive acids like aqua regia)
- ◆ Excellent non-stick nature (extremely low surface tension)
- ◆ Very good abrasion protection
- ◆ Very good sliding characteristics
- ◆ Physiologically harmless

**As of now the previous procedure is replaced by the new KCT procedure!**

**Caught your attention? We will be happy to contact you.**

Surname, Name .....

Company .....

Position .....

Street / No. ....

Postcode / Place .....

Phone / Fax .....

E-Mail .....