

Mechanical Pressure Measurement

Chemical seal with stainless steel extension tube and tantalum diaphragm

The industry is constantly faced with the task of having to work smoothly even with aggressive media – without the costs of measuring instruments getting out of hand.

Highly corrosion-resistant solutions are required, for example for urea. We offer high quality chemical seals with extension tube, the flush welded diaphragm is here made of tantalum.

This high-quality special material is more corrosion-resistant than regular stainless steel and can therefore meet even more specific requirements. Due to the applied non-positive welding process, which connects extension tube and diaphragm, no surface roughness occurs. This allows for the use of the chemical seals also in pharmaceutical applications.



extending the application of chemical seals with extension tube

Advantages

- ◆ Diaphragm more corrosion-resistant
- ◆ Lower costs than with regular chemical seals with extension tube made of special material

Technical Data

Chemical seal
stainless steel 316L
(1.4404)

Diaphragm
tantalum
flush welded with
chemical seal

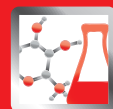
Sealing face
according to
DIN EN 1092-1 or ASME

Nominal width
DN 50, 80, 100 or
NPS 2", 3", 4"

Nominal pressure
16 / 40

Class
150 / 300

Data sheet
7502



ARMANO Messtechnik GmbH

Location Beierfeld · Germany
Am Gewerbepark 9
08344 Grünhain-Beierfeld
Tel.: +49 2803 9130 – 0



Location Wesel · Germany
Manometerstraße 5
46487 Wesel-Ginderich
Tel.: +49 2803 9130 – 0



www.armano-messtechnik.com