

Mechanical Pressure Measurement

Chemical seals extension tube type according to DIN, ASME and JIS



The oil and gas industry imposes special requirements on all instruments connected to the process. Certain specifications, summarised in guidelines and defined in standards, have to be met. To be able to use these chemical seals in sour gas environments, the requirements according to NACE have to be complied with.

We have set ourselves the task of making our chemical seals with extension tube also applicable to those areas.

The materials used are sour gas resistant according to NACE. We have solved the specifications regarding pressure resistance in accordance to the guidelines AD 2000, especially AD 2000 W2, by design and have reorganised our production.

Moreover, we meet the special requirements on the weld seams (weld documentation, welding procedure tests) in accordance with DIN EN 15 613.

Advantages

- ◆ Sour gas resistance according to NACE
- ◆ Pressure resistance according to AD 2000
- ◆ 6 weld seams less than the previous version, thus higher functionality
- ◆ No weld seam with additional material in the sealing area between extension tube and flange
- ◆ Weld seams not pressure-retaining
- ◆ Wetted parts made of titanium, Hastelloy and Monel, others upon request
- ◆ High surface finish – narrow tolerances
- ◆ Reduced delivery times

Besides the existing standards, we also comply with:

- ◆ AD 2000 W2 for austenitic and austenitic-ferritic steels
- ◆ AD 2000 W10 materials for low temperatures, e.g. $-100\text{ }^{\circ}\text{C}$ ($-148\text{ }^{\circ}\text{F}$) PN 40
- ◆ NACE MR 0175 only material with acceptance test 3.1 is used
- ◆ Welding procedure according to DIN EN 15 613
- ◆ Pressure ranges 25 mbar to 40 bar

for particularly critical applications



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