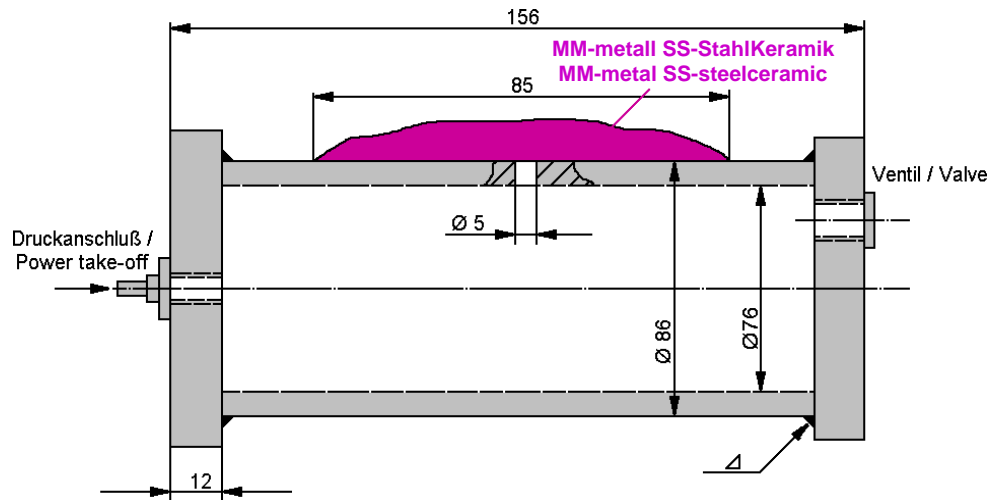


TEC-# 029

Pressure tight test at low temperatures

Used products

MM-metal SS-steelceramic



Testing method:

It was tested the pressure tightness of a repaired leakage at a test cylinder according to above drawing. For this MM-metal SS-steelceramic with Hardener yellow has been applied to the dry metal surface. After full curing of 24 h at 21 °C the test cylinder was filled with a liquid (here: oil-water-mixture). Then the test cylinder was cooled down inclusive contained liquid to minus 35 °C and a pressure of 200 bar was built up in the system. This temperature and pressure was kept constant over a testing period of 50 h. This test was carried out concerning special repair demands of a customer (permanent pressure of 200 bar at a very low temperature of minus 35 °C).

Results / conclusion:

Although low temperature and high pressure are effective at the same time, there has not been measured any pressure reduction in the system after expiration of the test period. MM-metal SS-steelceramic in combination with Hardener yellow is a high-quality repair material, which withstands high permanent pressures even at very low temperatures.

MultiMetal

the MetalExistenceCompany®

The product information and instructions provided in this leaflet were prepared to the best of our knowledge and serve information purposes only. We recommend that appropriate tests are carried out prior to application in order to ensure that the products and methods fulfil the purpose desired by the user. In this procedure, the given data may serve as a basis. Application and processing of the products lie outside our possible control and are therefore the sole responsibility of the user.