



Contribution ID: 439

Type: **Poster Presentation**

Test procedures and functional verification of cryogenic valves considering operating conditions

Tuesday, June 30, 2015 9:00 AM (2 hours)

Cryogenic and high-pressure control valves have to meet topmost requirements as a result of extreme operating conditions. Of prime importance are accuracy and high reproducibility of the control performance and further maximised reliability and service life time. To verify these requirements several procedures are implemented which are partially defined with general standards. Furthermore long-time experiences by user and manufacturer are of great importance. The poster presentation describes already established routines as well as specific test procedures for particular applications. The interpretation of these procedures, their relevance and limits are clearly described. Examination of leakage and welding seams under ambient and cryogenic conditions; endurance and reliability tests; measurement of valve specific characteristics such as kv-values as well as material specific inspection are in focus of our approach.

Primary author: BOERSCH, Michael (WEKA AG)

Co-author: ERNI, Pascal (WEKA AG)

Presenters: BOERSCH, Michael (WEKA AG); ERNI, Pascal (WEKA AG)

Session Classification: C2PoC - Instrumentation and Controls I

Track Classification: CEC-15 - Instrumentation and Controls