



Guideline for tests and inspections in accordance with the German Ordinance on Industrial Safety and Health (BetrSichV) to be performed on shell boilers and similar boiler types and related pressure vessels and piping

**Steam Boilers
V-DK-004:
Revision 1
2014-07**

English Translation

This translation was presented to the VdTÜV. VdTÜV takes no responsibility for the correctness of the translation. Hints (information) for improvement should be addressed to the VdTÜV. In case of doubt or dispute, the German text only is valid (MB VDK 004, edition 2013-10).

Agreement between

- BDH Bundesindustrieverband Deutschland Haus-, Energie- und Umwelttechnik e. V., Köln
- FDBR FDBR e. V. Fachverband Anlagenbau, Düsseldorf
- VdTÜV Verband der TÜV e. V., Berlin
- VGB VGB PowerTech e. V., Essen

on a

Guideline for tests and inspections in accordance with the German Ordinance on Industrial Safety and Health (BetrSichV) to be performed on shell boilers and similar boiler types and related pressure vessels and piping

Preamble

This agreement is intended to supplement the pertinent rules and regulations. It is a collection of experience made, recommendations and, where required, a concretization of the rules and regulations, which, to the best of our knowledge, reflects the state-of-the-art at its date of publication. This agreement aims at ensuring the operational safety of steam boiler plants and their components.

No liability will be taken for the correctness of the contents of this agreement. Patents and other protective rights shall be clarified under the responsibility of the user.

The associations having participated in the establishment of this guideline will appreciate the support and further development of its contents through other national and international associations/institutions.

This Merkblatt is continuously updated in line with technical progress. Please address any proposals for this to the publisher:

**Verband der TÜV e. V.
Friedrichstraße 136
10117 Berlin**

Contents

1	Scope.....	2
2	Symbols, abbreviations and units.....	2
3	Tests and inspections to be performed in accordance with the Ordinance on Industrial Safety and Health.....	3
4	Tests and inspections prior to first putting into service.....	4
4.1	Tests and inspections prior to first putting into service or upon essential change	4
4.1.1	General requirements	4
4.1.2	Additional requirements for the steam boiler plant	6
4.1.3	Additional requirements for pressure vessel installations	8
4.1.4	General requirements for piping	8
4.2	Tests and inspections prior to putting into service upon a change	9
5	Periodic inspections on steam boiler plants and related components	9
5.1	Plant inspection.....	9

Replaces edition 2014-01, | = Amendments to previous edition