VGB-Standard

Feed Water, Boiler Water and Steam Quality for Power Plants / Industrial Plants

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Preface to the 2011 edition


The present VGB-Standard summarises the experiences gained within water-steam chemistry and is the work of a project group under the VGB Technical Committee Chemistry. The following co-workers were involved in the revision of the VGB-Standard:

- Karol Daucik, DONG Energy Power, DK
- Dr. Hans-Jürgen Krabbe, RWE Power
- Dr. Frank Udo Leidich, Alstom Power Systems
- Armin Maier, TÜV Süd
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- Thomas Vogt, TÜV Süd
- Dr. Andreas Wecker, VGB PowerTech e.V.

They and everybody else who has actively taken part in the revision of the VGB-Standard are thanked sincerely for their effort. The VGB office will be happy to receive comments, further information and proposals for improvement for the next version of this VGB-Standard.

This VGB-Standard covers all pressure ranges applied to boilers generating heat, steam and/or electricity. In general the VGB-Standard covers steady state/full load operation of those boilers as well as start up operation mode by using action levels. This concept allows a quite flexible approach to combine requirements of the materials used throughout the water-steam cycle with economical needs of the plant operator.
The VGB-Standard does not deliver absolute limiting values of chemical parameters but demonstrates permissible operation ranges to achieve minimal corrosion within the water-steam cycle and to reach an optimised lifetime of the plant.

Essen, December 2011

VGB PowerTech e.V.
Preface to the 2004 edition

EPPSA, FDBR and VGB PowerTech hereby present a European Guideline for Feed Water, Boiler Water and Steam Quality for Power Plants / Industrial Plants. This new guideline replaces the former "VGB Guideline for Boiler Feed Water, Boiler Water and of Steam Generators with a Permissible Operating Pressure > 68 bar, October 1988 Edition".

The present Guideline is the work of a joint European Technical Committee with representatives of EPPSA, FDBR and VGB from most EU countries. The Technical Committees of these organisations have discussed and agreed this guideline.

The following co-workers were involved in preparing this new guideline:

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The reader should be aware, that this guideline covers all pressure ranges applied to boilers generating heat, steam and/or electricity. In general the guideline covers steady state/full load operation of those boilers as well as start up operation mode by using action levels for the first time. This concept allows a quite flexible approach to combine requirements of the materials used throughout the water-steam cycle with economical needs of the plant operator.
It should be pointed out that this guideline does not deliver absolute limiting values of chemical parameters but prefers to demonstrate reasonable areas of permissible operation ranges in respect to a minimal corrosion within the water-steam cycle to reach an optimised lifetime of the plant. Plant specific agreements on various parameters may supplement these guidelines.

Use it *cum grano salis* and as well *respice finem!*

Essen, December 2004

VGB PowerTech e.V.
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