

vgbe-Standard

Fuel grinding plants

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1st edition



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Foreword

The fuel grinding system deserves special attention when planning a boiler system. It is crucial for operational safety and requires careful maintenance and ongoing servicing. The standard is a working document and contains technical information that should be observed when planning, ordering, operating, maintaining and repairing grinding systems.

Recent experiences from new-build and retrofit projects clearly show the negative consequences of introducing immature products, as a result of poor planning and execution quality, of blind faith in modern design tools and quality certificates and, last but not least, from a frightening loss of basic craftsmanship skills.

For the installation of grinding plants, construction and assembly supervision by third parties (e.g. vgbe, TÜV, etc.) is recommended if the customer cannot organise this with his own personnel. Random inspections at the manufacturer's production facilities are essential.

Against this background, company-specific quality assurance guidelines shall be in place and must be applied when ordering new grinding plants. The corresponding vgbe/VGB standards can also be used for this purpose.

This standard is a collection of experiences and recommendations that cannot always fully reflect the current state of technology, but has been compiled to the best of knowledge. Its purpose is to summarise existing information and experience on specific insights in this field to make work easier for the user. This standard is intended to make a significant contribution to ensuring the quality of the system and thus also to achieving the frequently desired extended inspection intervals for periodic inspections.

The user is responsible for clarifying patent and other property rights. Where reference is made in this standard to laws, ordinances, regulations, etc. If reference is made to laws, regulations, rules, etc. in this standard and these have been amended in the meantime, the new editions must be taken into account accordingly or applied *mutatis mutandis*.

We kindly ask you to inform the vgbe office immediately of any experience gained with the application of this standard, any potential for misinterpretation, inadequacies in the presentation and suggestions for improvement for evaluation. They may provide grounds for additions or amendments.

This standard was drawn up by the vgbe Working Group “Fuel technology, firing systems and flue gas cleaning”.

Essen, in April 2024

vgbe energy e.V.*

* vgbe energy e.V. has been the new name of VGB PowerTech since April 2022.

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