

vgbe-Standard

Cooling Water Systems and Cooling Water Treatment

VGBE-S-455-00-2022-12-EN
(formerly VGB-R 455e)



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Foreword

This vgbe standard “Cooling Water Systems and Cooling Water Treatment”, VGBE-S-455-00-2022, replaces the previous VGB Cooling Water Guideline VGB-R 455e, the second edition of which was published in January 2000.

This standard has been revised in great detail and consequently reflects the current state of the art and legal requirements. It covers not only the cooling systems of classical thermal power plants, but also cooling systems in industrial applications such as refineries and the chemical industry. European and international standards have also been taken into account as far as possible.

The scope has been significantly increased from that of the previous version. One new addition, for example, is the consideration of hygienic aspects for open cooling systems. On the one hand, the essential aspects of cooling water chemistry and cooling water treatment are explained better and more precisely in order to present the most important details to all parties involved. On the other hand, the standard is intended to compensate, at least to some extent, for a loss of knowledge, without claiming to be a textbook. Accordingly, many further reading references are included.

Essen, October 2022

vgbe energy e.V.

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