

Technical Rule – Standard DVGW G 463 (A) October 2021

**High Pressure Gas Steel Pipelines for a Design Pressure
of more than 16 bar; Design and Construction**

Gashochdruckleitungen aus Stahlrohren für einen Auslegungsdruck
von mehr als 16 bar; Planung und Errichtung

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Preface

This Code of Practice has been compiled by the project group “Revision of G 463” within the Technical Committee “Gas Transportation Pipelines” This DVGW Code of Practice shall be used jointly with DIN EN 1594 “Gas Infrastructure – Pipelines for Maximum Operating Pressure Over 16 Bar – Functional Requirements”. DIN EN 1594 details the general principles for planning, construction, operation and maintenance of high pressure gas pipelines. These general principles represent the minimum requirements which the European professional experts involved in the standardisation agreed upon. In turn, these minimum requirements shall be complemented by detailed technical rules and/or national standards, to be implemented thereafter. This DVGW Code of Practice represents this implementation for planning and construction of high-pressure gas pipelines and is based on the proven and long-standing experience of the German gas professions’ safety philosophy. DVGW Code of Practice G 466-1 shall apply to the operation and maintenance of such pipelines.

The specifications detailed in this DVGW Code of Practice shall be binding and add to, or render more precise, the functional requirements of DIN EN 1594.

This Code of Practice supersedes DVGW Code of Practice G 463:2016-07.

Revisions

Compared to DVGW Code of Practice G 463:2016-07, the following changes have been made:

- a) The normative references have been updated.
- b) The set of rules has been updated to include hydrogen transportation.
- c) Editorial changes have been made.
- d) The width of the right-of-way has been adjusted.
- e) The requirements on the quality of pipeline components have been rendered in more detail.

Earlier Versions

DVGW G 463:1976-08

DVGW G 463:1983-01

DVGW G 463:1989-07

DVGW G 463:2001-12

DVGW G 463:2016-07