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Technical Rule – Standard **DVGW W 118** July 2005

Dimensioning of vertical filter wells

WATER

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Preamble

This Code of Practice was compiled by a project group of the technical committee "Water Abstraction". It serves as basis for the hydraulic and mechanical dimensioning of wells. The references listed represent the minimum requirements on the dimensioning of vertical filter wells.

Well dimensioning shall be performed so that a hydraulically effective, functionally reliable and economic water abstraction from the aquifer is guaranteed in the long run. At the same time, apart from the basic hydrogeological parameters, the operating company's technical specifications and the well construction technology are of importance. A careful selection from the various options in well dimensioning can often minimise problems during later well operation, for instance ageing phenomena.

For the planning specialists in drilling and well construction companies, engineering offices and water utilities, the code of practice shall provide assistance for the hydraulic and static dimensioning of vertical filter wells.