

DIN 1988-100

ICS 93.025

Together with DIN EN
1717:2011-08,
supersedes
DIN 1988-4:1988-12

**Codes of practice for drinking water installations –
Part 100: Protection of drinking water, drinking water quality control;
DVGW code of practice,
English translation of DIN 1988-100:2011-08**

Technische Regeln für Trinkwasser-Installationen –
Teil 100: Schutz des Trinkwassers, Erhaltung der Trinkwassergüte;
Technische Regel des DVGW,
Englische Übersetzung von DIN 1988-100:2011-08

Directives techniques relatives aux installations d'eau potable –
Partie 100: Protection de l'eau potable, maintien de la qualité de l'eau potable;
Directive technique DVGW,
Traduction anglaise de DIN 1988-100:2011-08

Document comprises 19 pages

Normenausschuss Wasserwesen (NAW) im DIN
DIN-Sprachendienst



A comma is used as the decimal marker.

Contents

	Page
Foreword.....	3
1 Scope	5
2 Normative references	5
3 Backflow of used water.....	6
4 Connection	6
5 External influences	7
6 Materials	8
7 Stagnation	9
8 Harm caused by inadequate or improper maintenance.....	10
9 Separation by single or double walls	10
9.1 Connection or installation of water heaters.....	10
9.2 Types of water heater.....	10
10 Protection units.....	12
11 Point-of-use protection for equipment at the draw-off point for domestic use	12
12 Point-of-use protection of equipment for non-domestic uses.....	12
Annex A (normative) List of protection units	13
Bibliography.....	19

Foreword

This standard has been prepared by Working Committee NA 119-04-07 AA *Häusliche Wasserversorgung* of the *Normenausschuss Wasserwesen* (Water Engineering Standards Committee).

This standard has been prepared in agreement with the *DVGW Deutscher Verein des Gas- und Wasserfaches e.V.* (German Association of Gas and Water Engineers). It has been included in its body of technical rules and codes of practice for water.

In response to the publication of European Standards on drinking water installations developed by Technical Committee CEN/TC 164 “Water supply” which were adopted as national standards (DIN EN 806 series and DIN EN 1717), the German national committee decided to review the content of the DIN 1988 series “Codes of practice for drinking water installations” with the intention of preparing a comprehensive and consistent set of standards.

To make up for the fact that the standards developed at European level did not reach the depth required by users in Germany, it was necessary to develop supplemental German Standards which continue to be numbered DIN 1988 for reasons of consistency.

Because work on the national supplemental requirements began at different times depending on their necessity, and because new editions of the DIN 1988 standards needed to be published to cover areas not dealt with in the European Standards, the DIN 1988 standards cannot all be published at the same time.

In order to distinguish the “new” DIN 1988 series from the previous one, the individual parts of the series have now been assigned three-digit numbers.

The draft of the present standard was published as E DIN 1988-400 in July 2008. However, the final standard has been assigned the number DIN 1988-100 to reflect the correspondence of the national supplemental requirements with the relevant European Standards.

This standard supersedes DIN 1988-4, which had to be applied together with DIN EN 1717 for a certain period, and has adopted those specifications of DIN 1988-4 (now withdrawn) that deal with the design and installation of drinking water installations not covered in EN 1717.

DIN 1988-100 is only to be used together with DIN EN 1717:2011-08 and contains information on how to apply EN 1717 in Germany. It includes a list of examples of protection units recommended for use in domestic and non-domestic drinking water installations.

In contrast to the specifications of National Annex NA to DIN EN 1717:2001-05, backflow prevention devices at floor level (i.e. installed in main branch pipes) consisting of a check valve and a type D or E anti-vacuum valve as in DIN 3266-1 and DIN 3266-2 are no longer to be considered as safety devices as in this standard. Furthermore, type A (corrosion-protected) water heaters are no longer included here, and other specifications have been updated. The list in Annex A includes protection units for domestic and non-domestic applications, sorted in analogy to the fluid categories in DIN EN 1717:2011-08.

When connecting electrical washing machines and dishwashers to drinking water installations, DIN EN 61770 (VDE 0700 Part 600) should be observed.

It should be noted that the headings of the main clauses have been taken from DIN EN 1717:2011-08 and are supplemented by the present standard.