

DIN 4925-2



ICS 23.040.20

Supersedes
DIN 4925-2:2014-09

**Well screens and casings of unplasticized polyvinylchloride (PVC-U) for tube wells –
Part 2: DN 100 to DN 200 with trapezoidal thread,
English translation of DIN 4925-2:2017-10**

Filter- und Vollwandrohre aus weichmacherfreiem Polyvinylchlorid (PVC-U) für Brunnen –
Teil 2: DN 100 bis DN 200 mit Trapezgewinde,
Englische Übersetzung von DIN 4925-2:2017-10

Tuyaux-filtres et tuyaux massifs de polychlorure de vinyle non-plastifié (PVC-U) pour des puits –
Partie 2: DN 100 à DN 200 avec filet trapézoïdale,
Traduction anglaise de DIN 4925-2:2017-10

This standard has been included in the body of DVGW Technical Rules.

Document comprises 13 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

Contents	Page
Foreword	3
1 Scope	4
2 Normative references	4
3 Dimensions and masses, slot pattern, designation	4
3.1 Dimensions and masses	4
3.2 Slot pattern	8
3.3 Designation	8
4 Material (moulding compound)	9
5 General requirements.....	9
6 Hygiene requirements	9
7 Threaded joint	9
7.1 Thread profile	9
7.2 Dimensions	11
7.3 Designation	11
8 Seals.....	11
8.1 General	11
8.2 Dimensions	12
8.3 Designation	12
Bibliography	13

Foreword

This standard has been prepared by DIN/DVGW Joint Subcommittee NA 119-07-03-01 UA “Components and products for drilling technology and well construction” of *DIN-Normenausschuss Wasserwesen (NAW)* (DIN Standards Committee Water Practice).

DIN 4925 consists of the following parts, under the general title *Well screens and casings of unplasticized polyvinylchloride (PVC-U) for tube wells*:

- *Part 1: DN 35 to DN 100 with pipe thread*
- *Part 2: DN 100 to DN 200 with trapezoidal thread*
- *Part 3: DN 250 to DN 400 with trapezoidal thread*

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. DIN shall not be held responsible for identifying any or all such patent rights.

Amendments

This standard differs from DIN 4925-2:2014-09 as follows:

- a) Effective lengths of up to 6 000 mm are permitted.

Previous editions

DIN 4925-2: 1981-09, 1987-10, 1990-11, 1999-04, 2014-09

1 Scope

This standard applies to slotted well screen pipes and casings made of PVC-U with trapezoidal thread, which are used in well construction, of nominal sizes DN 100 to DN 200.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

DIN 103-1, *ISO Metric Trapezoidal Screw Thread; Profiles*

DIN 6164-1, *DIN colour chart — System based on the 2° standard colorimetric observer*

DIN EN ISO 178, *Plastics — Determination of flexural properties*

DIN EN ISO 179-1, *Plastics — Determination of Charpy impact properties — Part 1: Non-instrumented impact test*

DIN EN ISO 527-2, *Plastics — Determination of tensile properties — Part 2: Test conditions for moulding and extrusion plastics*

Colour index RAL 840 HR¹⁾

Leitlinie zur hygienischen Beurteilung von organischen Materialien im Kontakt mit Trinkwasser (KTW-Leitlinie) (Guidelines for the hygienic assessment of organic materials in contact with drinking water (KTW Guidelines))²⁾

Leitlinie zur hygienischen Beurteilung von Elastomeren im Kontakt mit Trinkwasser (Elastomerleitlinie) (Guidelines for the hygienic assessment of elastomers in contact with drinking water (Elastomer Guidelines))²⁾

3 Dimensions and masses, slot pattern, designation

3.1 Dimensions and masses

Dimensions and masses (see Figure 1) shall be as specified in Table 1, where l_2 is the effective length of the pipe after assembly. The following also applies: $l_1 = l_2 + l_3$.

¹⁾ Obtainable from: RAL Deutsches Institut für Gütesicherung und Kennzeichnung e.V. (Internet: <http://www.ral-farben.de>) (German institute for quality assurance and quality marks).

²⁾ Obtainable from: German Federal Environment Agency (Internet: <http://www.uba.de>).