Certification Programme ZP 4715 of DVGW CERT GmbH, Bonn

Water Flowmeter

1 Certification Procedure

Products Water national

2 Accreditation

Accreditation No. D-ZE-16028-01 exists for the procedure at the "Deutsche Akkreditierungsstelle GmbH" (DAkkS), Berlin.

3 Certification Mark

DVGW certification mark Products

Registration number scheme:
DW-4715DP0001

DW = DVGW certification mark for water,
4715 = product code, DP = 2024, 0001 = serial no.

4 Type of Certificate and Test Procedure

Type testing certificate (5-year term)

5 Scope

Metrological requirements are not part of this certification programme. It is assumed that the legal metrology regulations and the associated technical standards are complied with.

Product group	Product code	Product type
Flowmeters	47 15	Water Flowmeter

6 Test Laboratories

Test laboratories accredited in accordance with EN ISO/IEC 17025 for the relevant test standards and contractually bound to DVGW CERT GmbH.

7 Requirements

7.1 Mechanical Requirements

The requirements of DVGW-worksheet W 406 apply.

7.2 Hygienic Requirements

The following regulations apply to proof of hygienic suitability:

Until 31 December 2026:
Certificates of conformity issued by a certification body in accordance with German national requirements are mandatory.

From 01.01.2027:
EU certificates of conformity issued by notified bodies in accordance with the minimum hygiene requirements laid down in Implementing Decision (EU) 2024/368 must be used; alternatively, certificates of conformity issued by a certification body in accordance with the national German requirements can still be used until 31 December 2032.

Applies from 01.01.2033:
EU certificates of conformity issued by notified bodies in accordance with the minimum hygiene requirements laid down in Implementing Decision (EU) 2024/368 are mandatory.

7.3 Type Testing

For the type testing, the predominant, smallest and largest flowmeter sizes/nominal widths must be selected; for external surveillance, a different flowmeter size/nominal width must always be selected if possible. The self-surveillance must cover all flowmeter sizes/nominal widths.

The following documents must be submitted to the testing laboratory in triplicate for each product type:

- Operating and assembly instructions
- Technical drawings with assembly drawings
- Parts lists with material specifications for the materials used

The tests to be carried out can be found in DVGW W 406.

8 Surveillance

The provisions described in the Rules of Procedure of DVGW CERT (Gechäftsordnung) apply (section "Surveillance procedure"). The "Control testing" procedure must be used for this certification programme.

8.1 Factory Production Control (FPC) by the Manufacturer (Self-Surveillance)

The manufacturer must carry out its own production checks in such a way that a reliable assessment of production is possible. The tests to be carried out are listed in Table A in the annex.

8.2 Surveillance Test (External Surveillance)

External surveillance is carried out every 2 years on site at the manufacturer's premises and additionally in the test laboratories.

External surveillance has the task of checking the manufacturer's own surveillance of the manufacture of the product on the basis of its organisation and records, including procurement and incoming goods.

Sampling takes place at the manufacturer's production site.

The surveillance tests to be carried out are listed in Table A in the Annex.

9 Labelling

Labelling is carried out in accordance with the specifications of the applicable product standards in section "Labelling", as well as supplementary requirements from the DVGW CERT GmbH rules of procedure in accordance with the "Labelling" section.

10 Other applicable Documents

The currently valid edition applies. In the case of undated references, the current edition of the following documents applies:

- Geschäftsordnung (GO) der DVGW CERT GmbH zur Zertifizierung von Produkten im nicht harmonisierten Bereich, <40014>
- Bewertungsgrundlagen des Umweltbundesamtes für Materialien und Werkstoffe im Kontakt mit Trinkwasser (gemäß § 15 Trinkwasserverordnung)
- UBA-EMPFEHLUNG: Konformitätsbestätigung der trinkwasserhygienischen Eignung von Produkten
- DVGW-Arbeitsblatt W 406: Wasserzählermanagement
- EN ISO/IEC 17025: Allgemeine Anforderungen an die Kompetenz von Prüf- und Kalibrierlaboratorien ISO/IEC 17025

11 Period of Validity

This certification programme is valid from 16.08.2024.

12 Annex

Table A: Scope of the Type Testing internal and external Surveillance

Requirements and Tests		Type Testing	Self-Surveillance	Foreign Surveillance
5.3.4	Standards and Dimensions	Each flowmeter size/nominal width based on the manufacturer's documentation	As part of the incoming goods inspection	Self-surveillance control only
5.3.2	Corrosion-chemical Requirements	Checking the upstream supplier on the basis of their evidence	Checking the upstream supplier on the basis of their evidence	Self-surveillance control only
5.3.3.1	Coating Thickness	On 3 flowmeter sizes/nominal widths	At least once per work shift and every time a change is made	1 Flowmeter size/nominal width
5.3.3.2	Coating Quality	Stamp tear-off method and visual inspection on 1 meter size/nominal diameter before and after condensation change climate and temperature change if necessary	Visual inspection and cross-cut inspection at least once per work shift and every time a change is made	Visual inspection and cross-cut test on 1 flowmeter size/nominal width
5.3.5	Compressive Strength	On 3 flowmeter sizes/nominal widths	(pressure test according to DIN EN 14154-1)	An 1 Counter size/nominal width
5.3.8	Labelling	At each counter size/nominal width	As part of the incoming goods inspection	At each counter size/nominal width
5.3.6	Remote Reading (optional)	At each counter size/nominal width	As part of the incoming goods inspection	At each counter size/nominal width
5.3.7	Suitability of the water flowmeter housing with threaded connections to accommodate a backflow preventer in accordance with DIN EN 13959[1]	At each counter size/nominal width	As part of the incoming goods inspection	At each counter size/nominal width
5.3.7	Housing Properties: Rounding of edges on cast iron housings	At each counter size/nominal width	As part of the incoming goods inspection	At each counter size/nominal width

[1] Residential water flowmeters are excluded