

	Certification Programme ZP 9191 Limescale Protection Devices for use in Drinking Water Installations	59191-00-N-GB	
		Doc. type	ZP
		Author	DVGW CERT GmbH
		Status	30.08.2024

**Certification programme ZP 9191
of DVGW CERT GmbH, Bonn**

**Limescale Protection Devices for use in
Drinking Water Installations**

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1 Certification Procedure

Products water national

2 Accreditations

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

3 Certification Mark

DVGW or DIN-DVGW Certification mark Products.



Registration number scheme:

DW-9191DP0001 resp. NW-9191DP0001

DW = DVGW certification mark water,

NW = DIN-DVGW certification mark water,

9191 = Product code, DP = 2024, 0001 = serial no.

4 Type of Certificate and Test Procedure

Type testing certificate (5-year term).

5 Scope

Product group	Product code	Product type
Devices and systems for the treatment of drinking water	91 91	Limescale protection devices for use in drinking water installations

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.

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7 Requirements

7.1 Mechanical Requirements

The requirements of DIN 3607-1 and DIN 3607-2 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 type testing (type examination), at least 3 test samples of each nominal flow rate to be tested must be submitted to the test centre by the client.

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 DIN 3607-1 and DIN 3607-2.

8 Surveillance

The provisions described in the Rules of Procedure (RP) apply (section "Monitoring procedure"). The "Control test" 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.

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8.2 Surveillance Test

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:

- Rules of Procedure (GO) of DVGW CERT GmbH for the certification of products in the non-harmonised area, <40014>
- Assessment principles of the Federal Environment Agency for materials and substances in contact with drinking water (in accordance with Section 15 of the Drinking Water Ordinance)
- UBA RECOMMENDATION: Confirmation of conformity of the drinking water hygiene suitability of products
- [\(EU\) 2024/368](#): COMMISSION IMPLEMENTING DECISION of 23 January 2024 **laying down detailed rules for the implementation of Directive (EU) 2020/2184 of the European Parliament and of the Council as regards the procedures and methods for **testing and confirming the acceptability of final materials used in products** in contact with water intended for human consumption**
- DIN 3607-1:2023-05: Limescale protection devices for use in drinking water installations - Part 1: Requirements for design, safety and testing
- DIN 3607-2:2023-05: Limescale protection devices for use in drinking water installations - Part 2: Methods and devices for testing effectiveness
- EN ISO/IEC 17025: General requirements for the competence of testing and calibration laboratories ISO/IEC 17025

11 Period of validity

This certification programme is valid from 30.08.2024.

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12 Annex

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

Tests according to DIN 3607-1		Type Testing	Self-Surveillance	External Surveillance
5.1.2	Effectiveness- Cold water devices	X ¹	1x per year ^{1b}	X ²
5.1.3	Effectiveness hot water devices	X ¹	1x per year ^{1b}	X ²
5.2.1	Materials and Substances	Verification of the validity of the evi- dence in accordance with Paragraph 7.2 of this ZP 9191	Verification of the validity of the evidence in accordance with para- graph 7.2 of this ZP 9191	Verification of the va- lidity of the evidence in accordance with Paragraph 7.2 of this ZP 9191
5.2.2	Chemical tests	X	-	X ²
5.2.3	Microbiological test after prolonged stagnation	X	-	X ²
5.3.2	Hydrostatic pressure resistance	X	-	-
5.3.3	Hydrodynamic pres- sure resistance	X	X ³	-
5.4	Pressure loss	X	-	-
5.5	Pressure surge	X	-	-
5.6	Noise behaviour	X	-	-
5.7	Intrinsic safety against backflow	X	-	X
5.8	Labelling the flow direction	X	-	X
5.9	Electrical safety	X	-	X
5.10	Connections	X	-	-
5.11	Installation, operating and maintenance instructions	X	-	X
5.12	Labelling	X	-	X
5.13	Maintenance display	X	-	X
5.14	Venting	X	-	-
Review of self-Surveillance		-	-	X

1) Double test according to DIN 3607-1 section 4.1

1b) Individual test (=1 test run) according to 3607-1 section 4.1 on a representative series device of all series

2) Inspections only every 4 years - individual inspection

3) Testing of the pressurised housing parts on at least 2 pieces per batch in accordance with the dynamic load cycle test