



COVENANT

Covenant K105051



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Replaces

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Raflux PPH rings

STATEMENT BY KIWA

With this Covenant, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

RVT Process Equipment GmbH

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa Covenant manual K15013 dated 01-01-2016.

Ron Scheepers
Kiwa

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

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Preface

This Kiwa Covenant has been prepared by the Technical Committee "Raflux PPH rings" of Kiwa Nederland B.V. and accepted by the Kiwa Committee of Covenant (KCC). The KCC also supervises the certification activities and where necessary requires the Kiwa Covenant to be revised.

This Kiwa Covenant will be used by Kiwa in conjunction with the Kiwa-Regulations for Certification. This regulation details the method employed by Kiwa for conducting the necessary investigations prior to issuing the product certificate and the method of external control. The inspection frequency is determined by the above mentioned Technical Committee and Kiwa Committee of Covenant.

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1 Scope of the Covenant

1.1 Definition of the product

This certificate covers Raflux PPH rings for use in drinking water towers.

2 Fitness for use

2.1 Meaning of 'fitness for use'

The products are approved on the basis of the requirements set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" (Materials and chemicals in the supply of drinking water and warm tap water Regulation; published in the Government Gazette).

3 Relevant characteristics of the product, the required verification and the assessments of fitness for use

3.1 Measurements

The dimensions of Raflux PPH rings are as follows:

- Raflux 25-8_V: DN 27,5 mm; Height 25,6 mm.
- Raflux 38-8_V: DN 37,9 mm; Height 36,4 mm.
- Raflux 50-8_V: DN 55,6 mm; Height 47,5 mm.
- Raflux 90-8_V: DN 88,8 mm; Height 87,8 mm.

The dimensions are checked against the specifications established by the manufacturer.

3.2 Use of materials

The product certification is based on two main criteria. It should permanently comply with the:

- product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa following the Kiwa approval procedure related to the hygienic aspects.

An advanced pyrolysis technique is used as a means to check whether the raw materials used still have the same composition.

3.3 Protection of products during storage and transport

Consult the suppliers processing guidelines for the proper storage and transport methods.

3.4 Installation instructions

Consult the suppliers processing guidelines for the proper installation.

3.5 Resistant to impact

The impact strength is tested according to the EN-ISO 13263:2018.

3.6 Raw Materials

The formulation of the material the 'Raflux PPH rings' are produced with, is laid down in the confidential appendix to this covenant. The complete appendix, including the recipe, is in hands of the producer and Kiwa. For the hygienic aspects inspections the complete appendix is available at the producer.

3.7 Marking

The product shall be provided with the following marks:

- Logo picture Kiwa Covenant;



- Manufacture's name, trade name;
- Material identification;
- Production code.

Location of the mark: On the product / On the packaging / On the delivery receipt.

After a signed Kiwa certification agreement, it is obliged to mark the product indelible.

4 Quality system requirements

4.1 General

This chapter contains the requirements that have to be met by the supplier's quality management system.

4.2 Manager of the quality system

Within the organizational structure an employee must be appointed to be responsible of managing the quality system.

4.3 Internal quality control/quality plan

The supplier must have an implemented and operational internal quality control scheme in place (IQC-scheme).

In this IQC-scheme the following must be demonstrably recorded:

- materials used in the product;
- which aspects are checked by the manufacturer;
- according to which methods these inspections are carried out;
- how often these inspections are carried out;
- how the inspection results are registered and stored.

This IQC-scheme shall be derived from the example format as shown in the annex. The scheme must be detailed in such a way that it provides Kiwa sufficient confidence that the requirements of this Covenant are continuously fulfilled.

4.4 Management of laboratory- and measure apparatus

The supplier must determine which laboratory- and measure apparatus are needed based on this Covenant in order to demonstrate that the product fulfils the requirements.

When applicable laboratory- and measure apparatus need to be calibrated at specified intervals.

The supplier needs to validate and register the previous measure results, when at the time of calibration is determined that the laboratory and measure devices are not operating correctly.

The apparatus in question need to be marked in such a way that can be determined what the calibration status is.

The supplier is required to register the calibration results.

4.5 Procedures and work instructions

The supplier must be able to submit procedures for:

- storage of used materials and readied product;
- the handling of non-conforming products;
- corrective actions in case non-conformities are found;
- the handling of complaints regarding the products and/or services supplied;
- managing work instructions and inspection sheets in use.

4.6 Other quality system requirements

The supplier must be able to submit:

- an organization chart;

- qualification requirements of the involved staff.

5 Initial inspection and continuous surveillance by Kiwa

5.1 Summary of tests and inspections

This chapter contains a summary of the following tests and inspections to be carried out in the event of certification:

- Initial type tests;
- Inspections;
- Control of the supplier's quality system.

5.2 Test matrix (Raflex PPH rings)

Table 1 – test matrix

Description of requirements	Tests within the scope of:	
	Initial investigation	Inspections
Pyrolysis	n.a.	X ¹⁾
Impact Strength	X	X

- 1) Once a year the inspector samples for the yearly tests.

5.3 Inspection of the quality system

The quality system will be checked by Kiwa on the basis of the IQC scheme.

The inspection contains at least those aspects mentioned in the Kiwa Regulations for Certification.

6 Agreement on the implementation of certification

6.1 General

Beside the requirements included in this Covenants, also the general rules for certification as included in the Kiwa Regulations for Certification apply.

In particular, these are:

- The general rules for conducting the initial type tests, to be distinguished in:
 - the way suppliers are to be informed about an application is being handled;
 - how the test are conducted;
 - the decision to be taken as a result of the pre-certification tests;
- The general directions for conducting inspections and the aspects to be audited;
- The measurements to be taken by Kiwa in case of Non Conformities;
- Measurements taken by Kiwa in case of improper Use of Certificates, Certification Marks, Pictograms and Logos;
- Terms for termination of the certificate;
- The possibility to lodge an appeal against decisions of measurements taken by Kiwa.

6.2 Report initial investigation

Kiwa records the results of the initial investigation in a report. This report shall comply with the following requirements:

- completeness: the reports verdicts about all requirements included in the Covenant;
- traceability: the findings on which the verdicts have been based shall be recorded traceable;
- basis for decision: the decision maker shall be able to base his decision on the findings included in the report.

6.3 Nature and frequency of external inspections

Kiwa shall enforce inspections at the supplier's site to investigate whether the obligations are met. At the time of validation of this Covenant this frequency has been fixed at 1 inspection visits per year.

Inspections shall invariably include:

- The IQC-scheme of the supplier and the results of tests carried out by the supplier;
- The correct marking of the certified products;

- The compliance with the required procedures.

The findings of the inspection visits performed shall be traceably recorded, by the certification body, in a report.

6.4 Sanction policy

The sanction policy and the weighing of the non-conformities is available through the service page on the website of Kiwa.

7 Recommendations for customers

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

RVT Process Equipment GmbH,
and, if necessary,
Kiwa Nederland B.V.

Consult the suppliers processing guidelines for the proper storage and transport methods.

8 Titles of standards

8.1 Standards normative documents

Standard ¹⁾	Title
EN-ISO 9001	Quality management systems - Requirements
NEN-EN ISO/IEC 17020	Conformity assessment - General criteria for the operation of various types of bodies performing inspection
NEN-EN ISO/IEC 17021	Conformity assessment - Requirements for bodies providing audit and certification of management systems
NEN-EN ISO/IEC 17024	Conformity assessment - General requirements for bodies operating certification of persons
NEN-EN ISO/IEC 17025	General requirements for the competence of testing and calibration laboratories
NEN-EN ISO/IEC 17065	Conformity assessment - Requirements for bodies certifying products, processes and services
Kiwa Protocol K15010	For products in contact with drinking water
Kiwa Manual K15013	Kiwa Covenants for products and processes
EN-ISO 13263	Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics fittings — Test method for impact strength

- 1) The documents, in whole or in part, are normatively referenced in this document. For dated references, only the edition cited applies. For undated references, the latest edition of the reference document (including any amendments) applies.