



## Product certificate K94607/03

Issued 2021-08-15

Replaces K94607/02

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### Expansion groups

#### STATEMENT BY KIWA

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

### Raminex International B.V.

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 evaluation guideline BRL-K630 "Expansion groups" dated 01-02-2012

which embodies the requirements of

EN1488: "Building valves – Expansion groups – Tests and requirements.

Ron Scheepers  
Kiwa

*Publication of this certificate is allowed.*

*Advice: consult [www.kiwa.nl](http://www.kiwa.nl) in order to ensure that this certificate is still valid.*

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Certification process  
consists of initial and  
regular assessment of:

- quality system
- product

## Expansion groups

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### PRODUCT SPECIFICATION

The products mentioned below belong to this-product certificate

#### TBE-IC ,Art. 29.0100

- Nominal set pressure 800 kPa;
- Nominale size: DN15;
- Connection ends: 15 mm compression x 15 mm compression;

#### TBE-IVC, Art. 29.0101

- Nominal set pressure: 800 kPa
- Nominal size drinking water: DN15
- Connection end drinking water: 15 mm compression x 15 mm compression
- Connection end expansion tank central heating: 15 mm compression
- With integrated central heating fittling system with prevention against backflow (according to EN1717, table 2 and validated by the Dutch water companies) intended for use in a domestic central heating installation with a total rated power equal or less than 45 kW and filled only with drinking water (without additives).
- Nominal size central heating: DN20
- Connection end central heating side-22 mm compression x 22 mm compression

## Expansion groups

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### Fitness for contact with drinking water

This product is approved on the basis of the requirements for hygienic aspects 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" dated 01-07-2017; published in the Government Gazette).

These hygienic aspects are based on two main criteria. The product shall permanently comply with:

- The product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa according to the Kiwa approval procedure for the hygienic aspects;
- Specific product requirements for the hygienic aspects.

The recipe and specific product requirements are laid down in the for confidentiality reasons undisclosed 'appendix hygienic aspects' to this certificate.

### MARKING

The Kiwa®-mark products are marked with the word mark KIWA .

Place of the mark: on the body.

Compulsory specifications:

- manufacturer's name or mark, on the body;
- nominal size DN, on the body;
- nominal relief pressure Pnr in kPa; on the image;
- indication of flow direction, on the body;
- marking the different positions of the controls;
- manufacture date (month and year) or code, on the body;
- sound class (if applicable), on the body;
- type-designation, on the body.

Method of marking:

- non-erasable;
- visible after assembly.

### APPLICATION AND USE

Expansion groups are designed to be used in closed-in hot water supply unit for domestic use, to prevent heat-expanded water from flowing back into the supply line. In addition, they have a feature that prevents the pressure in the hot water supply unit from increasing above a pre-set maximum pressure.

Expansion groups are intended for drinking water installations with a working pressure of maximum 1 MPa and a water temperature of maximum 90 °C

### 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:

- Raminex International B.V.
- and, if necessary,
- Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage and transport methods.