



## Product certificate K6085/14

Issued 2018-09-01

Replaces K6085/13

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### Check valves

#### 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

### Watts Industries France

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-K629 "Keerkleppen tegen verontreiniging, Familie E - type A, B, C en D" dated 01-02-2012.

which covers the requirements of

NEN-EN 13959: 2004: "Check valves against pollution – DN6 to DN 250 inclusive, family E, types A, B, C and D".

Luc Leroy  
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.*

# CERTIFICATE

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Certification process  
consists of initial and  
regular assessment of:

- quality system
- product

## Check valves

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### PRODUCT SPECIFICATION

The products mentioned below belong to this technical approval-with-product certificate

#### Check valves for water applications with sizes up to 250 mm

##### 1. Check valves for construction

Check valves, of which the housing is made of brass and is provided with drain plugs, may be provided with a brass or plastic plug.

##### a. Male thread x female thread, model no.:

DN15, G $\frac{1}{2}$ "A x G $\frac{1}{2}$ ", - Model NN015, MU015  
DN20, G $\frac{3}{4}$ "A x G $\frac{3}{4}$ ", - Model NN020, MU020

##### b. Glands female thread, model no.:

DN10, G $\frac{3}{8}$ ", - Model PI010  
DN15, G $\frac{1}{2}$ ", - Model PI015  
DN20, G $\frac{3}{4}$ ", - Model PI020  
DN25, G1", - Model PI025  
DN32, G1 $\frac{1}{4}$ ", - Model PI032  
DN40, G1 $\frac{1}{2}$ ", - Model PI040  
DN50, G2", - Model PI050

##### c. Female thread x male thread, model no.:

DN15, G $\frac{1}{2}$ " x G $\frac{1}{2}$ "A, - Model NR015  
DN15, G $\frac{3}{4}$ " x G $\frac{3}{4}$ "A, - Model W\_015  
DN15, G $\frac{3}{4}$ " x G $\frac{1}{2}$ "A, - Model NW015  
DN20, G $\frac{3}{4}$ " x G $\frac{3}{4}$ "A, - Model NR020  
DN20, G1" x G1" A, - Model W\_020  
DN25, G1 $\frac{1}{4}$ " x G1 $\frac{1}{4}$ "A, - Model W\_025  
DN32, G1 $\frac{1}{2}$ " x G1 $\frac{1}{2}$ "A, - Model W\_032  
DN40, G2" x G2" A, - Model W\_040

##### d. Glands male thread, model no.:

DN15, R $\frac{1}{2}$ ", - Model PU015  
DN20, R $\frac{3}{4}$ ", - Model PU020  
DN25, R 1", - Model PU025  
DN32, R1 $\frac{1}{4}$ ", - Model PU032  
DN40, R1 $\frac{1}{2}$ ", - Model PU040  
DN50, R2", - Model PU050

##### e. Glands capillary soldering, model no.:

15mm, - Model PS015  
22mm, - Model PS020  
28mm, - Model PS025  
35mm, - Model PS032  
42mm, - Model PS040  
54mm, - Model PS050

##### f. Compression fitting, model no.:

15 mm, - Model KF015  
22 mm, - Model KF020  
28 mm, - Model KF025

##### g. Female thread x female thread, model no.:

DN15, G $\frac{1}{2}$ " x G $\frac{1}{2}$ ", - Model BB015  
DN20, G $\frac{3}{4}$ " x G $\frac{3}{4}$ ", - Model BB020  
DN25, G1" x G1" , - Model BB025  
DN32, G1 $\frac{1}{4}$ " x G1 $\frac{1}{4}$ ", - Model BB032  
DN40, G1 $\frac{1}{2}$ " x G1 $\frac{1}{2}$ ", - Model BB040  
DN50, G2" x G2" , - Model BB050

##### h. Male thread x male thread, model no.:

DN15, G  $\frac{3}{4}$ "A x G $\frac{3}{4}$ "A, - Model S\_015  
DN20, G 1"A x G1"A, - Model S\_020  
DN25, G 1 $\frac{1}{4}$ "A x G1 $\frac{1}{4}$ "A, - Model S\_025  
DN32, G 1 $\frac{1}{2}$ "A x G1 $\frac{1}{2}$ "A - Model S\_032  
DN40, G 2"A x G2"A, - Model S\_040  
DN50, G 2 $\frac{1}{2}$ "A x G2 $\frac{1}{2}$ "A, - Model S\_050

##### I Female thread x glands male thread:

DN25, G1" x R1", - Model NU025  
DN32, G1 $\frac{1}{4}$ " x R1 $\frac{1}{4}$ ", - Model NU032  
DN40, G1 $\frac{1}{2}$ " x R1 $\frac{1}{2}$ ", - Model NU040

##### 2. Cartridge check valves for inserting in water meters

#### Check valve type TK

Size, model no.:

- 15 mm, - Model WM015
- 20 mm, - Model WM020, WI020
- 25 mm, - Model WM025
- 40 mm, - Model WM040

##### 3. Check valves for installation in appliances

#### Cartridge check valve type TK

Size, model:

- 15 mm ( $\frac{1}{2}$ " ), - Model IN015, IO015
- 20 mm ( $\frac{3}{4}$ " ), - Model IN020, IO020
- 25 mm (1" ), - Model IN025, IO025
- 32 mm (1 $\frac{1}{4}$ " ), - Model IN032, IO032

#### Cartridge check valve type TK

Size, model:

- 8 mm ( $\frac{1}{4}$ " ), - Model CO010
- 10 mm ( $\frac{3}{8}$ " ), - Model CO013, CO014 and CO015
- 15 mm ( $\frac{1}{2}$ " ), - Model CO020

## Check valves

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- 40 mm (1½"), - Model IN040, IO040
- 50 mm (2"), - Model IN050, IO050

### Cartridge check valve type OR

Size, model:

- 10 mm ( 3/8"), - Model CS015
- 100 mm ( 4"), - Model CS100
- 150 mm ( 6"), - Model CS150
- 250 mm (10"), - Model CS250

### Cartridge check valve type TK

Size, model:

- 10 mm (3/8"), - Model FW010

### 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: for check valves: on the body;
- for cartridge check valves: on the body and on the insert check valve.

### Compulsory specifications:

- Manufacturers name or mark;
- Direction of flow, on the body;
- Model indication of the family and type by means of letter combination;
- Nominal size (DN), on the body;
- Nominal pressure (PN);
- Maximum operating temperature;
- Acoustic class (only applicable for check valves up to DN32);
- Reference of manufacturer;
- Reference to standard

### Method of marking:

- Non-erasable;
- visible after assembly.

### APPLICATION AND USE

Check valves with a nominal diameter smaller than or equal to 50 mm are intended for application in drinking water installations with a maximum constant temperature of 65°C and with a maximum of one hour at a water temperature of 90° C. Check valves with a nominal diameter larger than 50 mm are intended for water temperatures up to 65° C only.

Check valves are intended for applications in drinking water installations with a maximum operating pressure of 1000 kPa.

### 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:

- Watts Industries France

and, if necessary,

- Kiwa Nederland B.V.

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