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## Product Certificate

### Valves

Based on pre-certification tests as well as periodic inspections by Kiwa Nederland B.V., the products referred to in this certificate and marked with the GASTEC QA mark, supplied by

### AVK International A/S

may, on delivery, be relied upon to comply with the GASTEC QA Approval Requirements 214, for "Fitness for admixtures up to and including 100% hydrogen gas" September 2022.

Ron Scheepers  
Kiwa

This certificate is issued by Kiwa Nederland B.V. in conjunction with the KIWA regulations for Certification 2017.

This certificate consists of 3 pages.  
Publication of the certificate is allowed.

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## Valves

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### PRODUCT SPECIFICATION

Gate valves made of nodular cast iron (EN-GJS-500-7) or cast Steel (GP240GH).

#### AVK series 02/70

Flange connection DN 40, DN 50, DN 65, DN 80, DN 100, DN 125, DN 150, DN 200, DN 250, DN 300, DN 350, DN 400, DN 500.  
Maximum operating pressure 16 bar.

#### AVK series 46/70 005

Spigot end for steel pipes DN 50, DN 65, DN 80, DN 100, DN 125, DN 150, DN 200, DN 250, DN 300 and DN 400.  
Maximum operating pressure 16 bar.

#### AVK series 06/70

Flange connection DN 40, DN 50, DN 65, DN 80, DN 100, DN 125, DN 150, DN 200, DN 250, DN 300, DN 350, DN 400, DN 450, DN 500, DN 600.  
Maximum operating pressure 16 bar.

#### AVK series 36/90 170

PE 100 spigot ends DN 65, DN 80, DN 100, DN 125, DN 150, DN 200, DN 250, DN 300 and DN 400.  
Maximum operation pressure 10 bar.

#### AVK series 36/90 171

PE 100, SDR 17 spigot ends DN 65, DN 80, DN 100, DN 125, DN 150, DN 200, DN 250 and DN 300.  
Maximum operation pressure 5 bar.

#### AVK series 36/90 185

PE 100, SDR 11 spigot ends DN 65, DN 80, DN 100, DN 125, DN 150, DN 200, DN 250, DN 300 and DN 400.  
Maximum operation pressure 10 bar.

#### AVK series 36/9x 170

PE 100, SDR 11 spigot ends DN 25, DN 32, DN 40 and DN 50.  
Maximum operation pressure 10 bar.

#### AVK series 01/90

Socket joint connection, DN 80 / 90 mm, DN100 / 110mm  
Maximum operation pressure 200 mbar.

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### APPLICATION AND USE

The product is intended to be used in distribution systems with an admixture of 20% hydrogen gas and pure hydrogen gas. The maximum operating pressure (MOP) and operating temperature are specified in the approval requirement for the product for GASTEC QA certification.

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## Valves

### MARKING

- GASTEC QA, GASTEC QA logo or trademark.
- Manufactures' name or trademark: AVK
- PN class
- Direction of flow (if necessary)
- Nominal size (DN)
- Traceability identification
- The words 'Bestand tegen waterstofgas' and 'Hydrogen ready'

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### RECOMMENDATIONS FOR END USERS

Check at the time of delivery whether:

- the producer 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.

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

Check whether this certificate is still valid by consulting Kiwa Nederland B.V. or the Kiwa website.

If you should reject a product on the basis of the above, please contact the supplier and, if necessary, Kiwa Nederland B.V.

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