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Product Certificate

Press fittings for joining copper pipes

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

Aalberts integrated piping systems B.V.

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" dated 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 4 pages.
Publication of the certificate is allowed.

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PRODUCT SPECIFICATION

Press fittings for joining copper pipes according to Approval Requirement 5, quality half-hard.
Max. operating pressure: 200 mbar.

Xpress

SG3/G6243G: Straight male connector
press-fit x BSP tape male thread

15 x R $\frac{1}{2}$ mm	28 x R1 mm
15 x R $\frac{3}{4}$ mm	28 x R1 $\frac{1}{4}$ mm
18 x R $\frac{1}{2}$ mm	35 x R1 mm
18 x R $\frac{3}{4}$ mm	35 x R1 $\frac{1}{4}$ mm
22 x R $\frac{1}{2}$ mm	42 x R1 $\frac{1}{4}$ mm
22 x R $\frac{3}{4}$ mm	42 x R1 $\frac{1}{2}$ mm
22 x R1 mm	54 x R2 mm
28 x R $\frac{3}{4}$ mm	

Fulfillment: brass and bronze.

SG2/G6270G: Straight female connector
press-fit x BSP parallel female thread

15 x Rp $\frac{1}{2}$ mm	22 x Rp $\frac{3}{4}$ mm
15 x Rp $\frac{3}{4}$ mm	28 x Rp1 mm
18 x Rp $\frac{1}{2}$ mm	35 x Rp1 $\frac{1}{4}$ mm
18 x Rp $\frac{3}{4}$ mm	42 x Rp1 $\frac{1}{2}$ mm
22 x Rp $\frac{1}{2}$ mm	54 x Rp 2 mm

Fulfillment: brass and bronze.

SG1/G7270: Straight coupling
press-fit x press-fit

15 mm
18 mm
22 mm
28 mm
35 mm
42 mm
54 mm

Fulfillment: redcopper

SG1 Slip/ G7270S: Straight coupling slip pattern
press-fit x press-fit

15 mm	35 mm
18 mm	42 mm
22 mm	54 mm
28 mm	

Fulfillment: redcopper

SG61/G7301: Stop end

12 mm	28 mm
15 mm	35 mm
18 mm	42 mm
22 mm	54 mm

Fulfillment: redcopper

SG6/G7243: Reducer
larger end male for insertion into fitting x
press-fit

18 x 15 mm	42 x 22 mm
22 x 15 mm	42 x 28 mm
22 x 18 mm	42 x 35 mm
28 x 15 mm	54 x 28 mm
28 x 18 mm	54 x 35 mm
28 x 22 mm	54 x 42 mm
35 x 22 mm	
35 x 28 mm	

Fulfillment: redcopper

SG12/G7002A: Elbow
press-fit x press-fit

15 mm	35 mm
18 mm	42 mm
22 mm	54 mm
28 mm	

Fulfillment: redcopper

SG21/G7041: Obtuse elbow
press-fit x press-fit

15 mm	35 mm
18 mm	42 mm
22 mm	54 mm
28 mm	

Fulfillment: redcopper

SG12S/G7001A: Street elbow
press-fit x male end for insertion into fitting

15 mm	35 mm
18 mm	42 mm
22 mm	54 mm
28 mm	

Fulfillment: redcopper

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SG21S/G7040: Obtuse street elbow
 press-fit x male end for insertion into fitting
 15 mm
 18 mm
 22 mm
 28 mm
 35 mm
 42 mm
 54 mm

Fulfillment: redcopper

SG11/G6330: Union coupling
 press-fit x press-fit
 15 mm 35 mm
 18 mm 42 mm
 22 mm 54 mm
 28 mm

Fulfillment: brass and bronze.

SG22/G7086: Partial crossover

15 mm
 18 mm
 22 mm

Fulfillment: redcopper

SG15/G6471G: Backplate elbow plates:
 press-fit x BSP parallel female thread
 15 x Rp $\frac{1}{2}$ mm
 18 x Rp $\frac{1}{2}$ mm
 22 x Rp $\frac{3}{4}$ mm

Fulfillment: brass and bronze

SG24/G7130: Equal tee
 press-fit on all ends
 15 mm
 18 mm
 22 mm
 28 mm
 35 mm
 42 mm
 54 mm

Fulfillment: redcopper

SG13/G6092G: Male elbow
 press-fit x BSP taper male thread
 15 x R $\frac{1}{2}$ mm 28 x R1 mm
 18 x R $\frac{1}{2}$ mm 35 x R1 $\frac{1}{4}$ mm
 18 x R $\frac{3}{4}$ mm 42 x R1 $\frac{1}{2}$ mm
 22 x R $\frac{3}{4}$ mm 54 x R2 mm

Fulfillment: redcopper

SG23/G7085: Full crossover

15 mm
 18 mm
 22 mm

Fulfillment: redcopper

S7/6246G: Female adaptor
 Male copper for insertion into a fitting x BSP parallel female thread
 15 x Rp $\frac{1}{2}$ mm 22 x Rp $\frac{1}{2}$ mm 28 x Rp1 mm 42 x Rp1 $\frac{1}{2}$ mm
 18 x Rp $\frac{1}{2}$ mm 22 x Rp $\frac{3}{4}$ mm 35 x Rp1 mm 54 x Rp2 mm
 18 x Rp $\frac{3}{4}$ mm 28 x Rp $\frac{3}{4}$ mm 35 x Rp1 $\frac{1}{4}$ mm

Fulfillment: brass and bronze

SG25/G7130: Tee
 reduced branch, press-fit on all ends
 18 x 15 x 18 mm 35 x 35 x 22 mm
 22 x 15 x 15 mm 35 x 35 x 28 mm
 22 x 15 x 22 mm 42 x 42 x 22 mm
 22 x 18 x 22 mm 42 x 42 x 28 mm
 22 x 22 x 15 mm 42 x 42 x 35 mm
 28 x 15 x 28 mm 54 x 54 x 42 mm
 28 x 18 x 28 mm 54 x 42 x 54 mm
 28 x 22 x 28 mm

Fulfillment: redcopper.

SG14/G6090G: Female elbow
 press-fit x parallel female thread
 15 x Rp $\frac{1}{2}$ mm 22 x Rp1 mm
 15 x Rp $\frac{3}{4}$ mm 28 x Rp1 mm
 18 x Rp $\frac{1}{2}$ mm 35 x Rp1 $\frac{1}{4}$ mm
 18 x Rp $\frac{3}{4}$ mm 42 x Rp1 $\frac{1}{2}$ mm
 22 x Rp $\frac{1}{2}$ mm 54 x Rp2 mm
 22 x Rp $\frac{3}{4}$ mm

Fulfillment: redcopper

SG30/G6130G: Female branch tee
 press-fit x BSP parallel female branch
 15 x 15 x Rp $\frac{1}{2}$ mm 28 x 28 x Rp $\frac{3}{4}$ mm
 18 x 18 x Rp $\frac{1}{2}$ mm 35 x 35 x Rp $\frac{1}{2}$ mm
 22 x 22 x Rp $\frac{1}{2}$ mm 35 x 35 x Rp1 mm
 22 x 22 x Rp $\frac{3}{4}$ mm 42 x 42 x Rp $\frac{1}{2}$ mm
 28 x 28 x Rp $\frac{1}{2}$ mm 54 x 54 x Rp $\frac{1}{2}$ mm

Fulfillment: redcopper

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APPLICATION AND USE

The products are intended to be applied as gas distribution and installation materials for natural gas 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.

MARKING

- GASTEC QA , GASTEC QA logo, word mark or trademark. This also applies for the internal support if used.
 - Name of the manufacturer or trademark: Aalberts Intergrated Piping systems
 - External diameter of the pipe which is to be connected
 - The production code
 - If the press fitting is suitable for gas only the fitting shall be marked with the word "gas" or a yellow marking
 - Internal support shall be marked with the diameter x wall thickness
 - The words 'Bestand tegen waterstofgas' or '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.
