



Number 110164/01 Replaces

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Product Certificate

Solder fittings

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 3 pages. Publication of the certificate is allowed.

supplier

Aalberts integrated piping systems B.V. Oude Amersfoortseweg 99 12125 AA Hilversum The Netherlands

www.aalberts-ips.nl

T +31 35 6884 211 F +31 35 6884 379



Kiwa Nederland B.V. Sir. Winston Churchillaan 273 P.O. Box 70 2280 AB RIJSWIJK The Netherlands Tel.+31 88 998 4400

NI.kiwa.info@kiwa.com www.kiwa.nl





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PRODUCT SPECIFICATION

Solder fittings for capillary soldering of copper pipis according to GASTEC QA AR $5\,$ Material: Brass

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C 1000: Sockets	C 1010: Elbows	C 1041: Wall plate, high model
12 x 12	12 x 12	Rp ½ x 15
15 x 15	15 x 15	Rp ¾ x 22
22 x 22	22 x 22	
28 x 28	28 x 28	C 1043: Double wall plate, high model
35 x 35	35 x 35	15 x Rp ½ x 15
42 x 42		22 x Rp ¾ x 22
54 x 54		
C 1001: Reducer sockets	C 1015: elbows with female thread	C 1050: three-piece coupler
	Rp x capillary	
12 x 15	Rp ³ / ₈ x 15	15 x 15
15 x 22	Rp ½ x 15	22 x 22
22 x 28	Rp ¾ x 22	
C 1002: Slide in sockets	C 1016: transition couplers female	C 1051: three-piece coupler, male thread R x capillary
	thread Rp x capillary	
15 x 12	Rp ³ / ₈ x 12	R ½ x 15
22 x 15	Rp ½ x 15	R ¾ x 22
35 x 28	Rp ¾ x 22	
54 x 42	Rp 1 x 28	C 1052: three-piece coupler, female thread Rp x capillary
	Rp 1¼ x 35	Rp ½ x 15
	Rp 1½ x 42	Rp ¾ x 22
	Rp 2 x 54	
C 1004: caps	C 1020: T-pieces	C 1053: three-piece coupler, male thread R x capillary
12	12 x 12 x 12	R ½ x 15
15	15 x 15 x 15	R ¾ x 22
22	22 x 22 x 22	
	28 x 28 x 28	
	35 x 35 x 35	

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C 1007: Transition couplers male thread R	C 1021: Reducer T-pieces	C 1054: three-piece coupler, female thread Rp x capillary
x capillary		
R 3/8 x 12	15 x 22 x 15	Rp ½ x 15
R ½ x 15	22 x 15 x 22	Rp ¾ x 22
R ¾ x 15	28 x 15 x 28	
R ½ x 22	22 x 15 x 15	
R ¾ x 22	22 x 22 x 15	C 1012: elbows Male thread R x capillair
R 1 x 28	15 x 12 x 15	R ½ x 15
R 1¼ x 35	15 x 15 x 12	R 3/4 x 22
R 1½ x 42	15 x 12 x 12	
R 2 x 54		

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 or punch mark.
- Manufacturers name, logo or trademark
- The nominal diameter if it is practicable
- Number and part of standard: EN 1254-1
- Fittings which comply to EN 1254-1 4.5.3 are durable marked with a) or b) as below:
 - o Grade A material symbol CR or DRA characters
 - o Grade B material DRB characteristics
- The words 'Bestand tegen waterstofgas' or 'Hydrogen ready'

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.