CERTIFICATE

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Product Certificate

Steel press fittings for steel 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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Steel press fittings for steel pipes

PRODUCT SPECIFICATION

VSH PowerPress fittings
Maximum operating pressure: 5 bar

VSH PowerPress straight coupling FF 1 1/2"
VSH PowerPress straight coupling FF 1 1/4"
VSH PowerPress straight coupling FF 1"
VSH PowerPress straight coupling FF 1/2"
VSH PowerPress straight coupling FF 2"
VSH PowerPress straight coupling FF 3/4"

VSH PowerPress slip coupling FF 1 1/2"
VSH PowerPress slip coupling FF 1 1/4"
VSH PowerPress slip coupling FF 1"
VSH PowerPress slip coupling FF 1/2"
VSH PowerPress slip coupling FF 2"
VSH PowerPress slip coupling FF 3/4"

VSH PowerPress reducer FØ 1 1/2"xØ2"
VSH PowerPress reducer FØ 1 1/4"xØ1 1/2"
VSH PowerPress reducer FØ 1 1/4"xØ2"
VSH PowerPress reducer FØ 1"xØ1 1/2"
VSH PowerPress reducer FØ 1"xØ1 1/4"
VSH PowerPress reducer FØ 1"xØ2"
VSH PowerPress reducer FØ 1/2"xØ1 1/2"
VSH PowerPress reducer FØ 1/2"xØ1 1/4"
VSH PowerPress reducer FØ 1/2"xØ1"
VSH PowerPress reducer FØ 1/2"xØ2"
VSH PowerPress reducer FØ 1/2"xØ3/4"
VSH PowerPress reducer FØ 3/4"xØ1 1/2"
VSH PowerPress reducer FØ 3/4"xØ1 1/4"
VSH PowerPress reducer FØ 3/4"xØ1"
VSH PowerPress reducer FØ 3/4"xØ2"

VSH PowerPress bend 45° FØ 1 1/2"
VSH PowerPress bend 45° FØ 1 1/4"
VSH PowerPress bend 45° FØ 1"
VSH PowerPress bend 45° FØ 1/2"
VSH PowerPress bend 45° FØ 2"
VSH PowerPress bend 45° FØ 3/4"
VSH PowerPress bend 45° FF 1 1/2"
VSH PowerPress bend 45° FF 1 1/4"
VSH PowerPress bend 45° FF 1"
VSH PowerPress bend 45° FF 1/2"
VSH PowerPress bend 45° FF 2"
VSH PowerPress bend 45° FF 3/4"

VSH PowerPress straight connector FF 1 1/2"xRp1 1/2"
VSH PowerPress straight connector FF 1 1/4"xRp1 1/4"
VSH PowerPress straight connector FF 1"xRp1"
VSH PowerPress straight connector FF 1/2"xRp1/2"
VSH PowerPress straight connector FF 2"xRp2"
VSH PowerPress straight connector FF 3/4"xRp3/4"

VSH PowerPress straight connector FM 1 1/2"xR1 1/2"
VSH PowerPress straight connector FM 1 1/4"xR1 1/4"
VSH PowerPress straight connector FM 1"xR1"
VSH PowerPress straight connector FM 1/2"xR1/2"
VSH PowerPress straight connector FM 2"xR2"
VSH PowerPress straight connector FM 3/4"xR3/4"

VSH PowerPress bend 90° FF 1 1/2"
VSH PowerPress bend 90° FF 1 1/4"
VSH PowerPress bend 90° FF 1"
VSH PowerPress bend 90° FF 1/2"
VSH PowerPress bend 90° FF 2"
VSH PowerPress bend 90° FF 3/4"
VSH PowerPress bend 90° FØ 1 1/2"
VSH PowerPress bend 90° FØ 1 1/4"
VSH PowerPress bend 90° FØ 1"
VSH PowerPress bend 90° FØ 1/2"
VSH PowerPress bend 90° FØ 2"
VSH PowerPress bend 90° FØ 3/4"

VSH PowerPress T-piece FFF 1 1/2"
VSH PowerPress T-piece FFF 1 1/4"
VSH PowerPress T-piece FFF 1"
VSH PowerPress T-piece FFF 1/2"
VSH PowerPress T-piece FFF 2"
VSH PowerPress T-piece FFF 3/4"

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VSH PowerPress reduced T-piece FFF 1 1/2"x1 1/2"x1 1/4"
VSH PowerPress reduced T-piece FFF 1 1/2"x1 1/2"x1"
VSH PowerPress reduced T-piece FFF 1 1/2"x1 1/2"x1/2"
VSH PowerPress reduced T-piece FFF 1 1/2"x1 1/2"x3/4"
VSH PowerPress reduced T-piece FFF 1 1/4"x1 1/4"x1"
VSH PowerPress reduced T-piece FFF 1 1/4"x1 1/4"x1/2"
VSH PowerPress reduced T-piece FFF 1 1/4"x1 1/4"x3/4"
VSH PowerPress reduced T-piece FFF 1"x1"x1/2"
VSH PowerPress reduced T-piece FFF 1"x1"x3/4"
VSH PowerPress reduced T-piece FFF 2"x2"x1 1/2"
VSH PowerPress reduced T-piece FFF 2"x2"x1 1/4"
VSH PowerPress reduced T-piece FFF 2"x2"x1"
VSH PowerPress reduced T-piece FFF 2"x2"x1/2"
VSH PowerPress reduced T-piece FFF 2"x2"x3/4"
VSH PowerPress reduced T-piece FFF 3/4"x3/4"x1/2"

VSH PowerPress threaded T-piece FFF 1 1/2"x1 1/2"xRp1"
VSH PowerPress threaded T-piece FFF 1 1/2"x1 1/2"xRp1/2"
VSH PowerPress threaded T-piece FFF 1 1/2"x1 1/2"xRp3/4"
VSH PowerPress threaded T-piece FFF 1 1/4"x1 1/4"xRp1"
VSH PowerPress threaded T-piece FFF 1 1/4"x1 1/4"xRp1/2"
VSH PowerPress threaded T-piece FFF 1 1/4"x1 1/4"xRp3/4"
VSH PowerPress threaded T-piece FFF 1"x1"xRp1/2"
VSH PowerPress threaded T-piece FFF 1"x1"xRp3/4"
VSH PowerPress threaded T-piece FFF 1/2"x1/2"xRp1/2"
VSH PowerPress threaded T-piece FFF 2"x2"xRp1"
VSH PowerPress threaded T-piece FFF 2"x2"xRp1/2"
VSH PowerPress threaded T-piece FFF 2"x2"xRp3/4"
VSH PowerPress threaded T-piece FFF 3/4"x3/4"xRp1/2"

VSH PowerPress flange adapter 1 1/2" DN40 PN10/16
VSH PowerPress flange adapter 1 1/4" DN32 PN10/16
VSH PowerPress flange adapter 2" DN50 PN10/16

VSH PowerPress stop end F 1 1/2"
VSH PowerPress stop end F 1 1/4"
VSH PowerPress stop end F 1"
VSH PowerPress stop end F 1/2"
VSH PowerPress stop end F 2"
VSH PowerPress stop end F 3/4"

VSH PowerPress reduced coupling FF 1"x1/2"
VSH PowerPress reduced coupling FF 1"x3/4"
VSH PowerPress reduced coupling FF 3/4"x1/2"

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 trademark...
- Name or trademark of manufacturer: VSH PowerPress
- External diameter of the pipe to be connected:
- Production date:
- The word GAS or a yellow marking
- Maximum operating pressure: MOP 5
- The words ‘Bestand tegen waterstofgas’ or ‘Hydrogen ready’

Steel press fittings for steel pipes

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.