



CERTIFICATE

283471015

Technical approval-with-product-certificate K40531/05



Issued 2020-08-01
Replaces K40531/04
Page 1 of 2

Safety system

STATEMENT BY KIWA

With this technical approval-with-product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

Aquatechnik spa

As specified in this technical approval-with-product certificate and marked with the Kiwa®-mark in the manner as indicated in this technical approval-with-product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL-K536 E "Plastics piping systems of PE-X/Al intended for transport of hot and cold drinking water" dated 15-12-2011, inclusive amendment sheet dated 13-03-2018.

Within the framework of this technical approval-with-product certificate Kiwa does not impose any inspections with regard to the production of other parts of the plastics piping system, nor the manufacturing of the plastics piping system itself.

Ron Scheepers
Kiwa

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

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VIA P.F. Calvi 40
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Tel. 39 0331 307015
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Safety system

PRODUCT SPECIFICATION

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

The system consists of:

- Pipes;
- Mechanical fittings (plastics);
- Corrugated protection pipes.

The pipe dimensions as indicated in the table below belong to this certificate.

Nominal outside Diameter (mm)	Wall thickness (mm)
16	2,0
20	2,0
26	3,0
32	3,0

Colour pipe: White inside/white outside

Colour of the fittings: ivory

Fitness for contact with drinking water



The pipes and fittings used in this system are approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" dated 01-07-2017 ("Materials and chemicals in the supply of drinking water and warm tap water Regulation"), published in the Government Gazette.

MARKING

The products are marked with the Kiwa-mark.

Pipes

The minimum required marking on the pipes shall be:

- **KIWA**  or  * + Class 2/ 10 bar;
- the manufacturer's name, trade name, system name, logo or certificate number of accompanying technical approval (system)certificate;
- material identification: PE-Xb;
- the build up of the pipe; i.e. PE-X/Al;
- nominal outside diameter and nominal wall thickness of the pipe in mm;
- production code.

Location of the marks: on every pipe at intervals of not more than 2 m.

The realization of the marks is as follows: clear durable and indelible.

*) for smaller diameters permitted by Kiwa.

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:

- Aquatechnik spa
- and, if necessary,
- Kiwa Nederland B.V.

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



Product certificate K40523/05

Issued 2021-08-01

Replaces K40523/04

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PPSU fittings

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

Aquatechnik spa

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-K536 E "Plastics piping systems of PE-X/Al intended for transport of hot and cold drinking water" dated 15-12-2011, inclusive amendment sheet dated 13-03-2018

Ron Scheepers
Kiwa

*This product certificate is only valid in combination with a Kiwa certified plastics piping system
Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.*

CERTIFICATE

28/180711

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Certification process
consists of initial and
regular assessment of:

- quality system
- product

PPSU fittings

PRODUCT SPECIFICATION

The products mentioned below belong to this product certificate

The PPSU fittings are suitable for the pipe dimensions as indicated in the table below.

Nominal outside Diameter (mm)	Wall thickness (mm)
16	2,0
20	2,0
26	3,0
32	3,0

Color: Ivory

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" dated 01-07-2017 ("Materials and chemicals in the supply of drinking water and warm tap water Regulation"), 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 products are marked with the Kiwa-mark.

Fittings


The minimum required marking on the fittings shall be:

- **KIWA**  or on small products  or  or **KK*** or **KK*** (if not possible **KIWA**  only on the smallest packaging unit)**;
- manufacturer's name, trade name or logo;
- nominal outside diameter of the corresponding pipe in mm;
- production code.

Location of the marks: on every fitting.

The realization of the marks is as follows: clear, durable and indelible.

The smallest packaging unit of the fittings are provided with at least the following information:

- **KIWA** 
- manufacturer's name, trade name, system name, logo or certificate number of the accompanying technical approval (system) certificate, in accordance with the marking of the connecting pipe;
- nominal outside diameter and nominal wall thickness of the corresponding pipe in mm;
- material identification in case the fitting body is made of plastics.

Location of the marks: on every package.

The realization of the marks is as follows: clear, durable and indelible.

*) for small fittings marking with only KK is permitted

***) only after approval by Kiwa

APPLICATION AND USE

The piping system is intended to be used for the transport of cold and hot drinking water according to a temperature profile class 2 of ISO 10508 and an allowable working pressure of maximum 10 bar.

PPSU fittings

RECOMMENDATIONS FOR CUSTOMERS

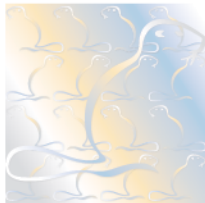
Check at the time of delivery whether:

- 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:

- Aquatechnik spa
- and, if necessary,
- Kiwa Nederland B.V.

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



Certificate number: 2205716 (1)

Issued 13/05/2022

Expires 31/07/2024

Kiwa Regulation 4 (KUKreg4) Certification

Evaluation Guideline – Kiwa UK – EG004 – Regulation 4(1)(a)

Model number(s) – see Appendix

Aquatechnik Group S.p.a.

Kiwa Watertec declares that legitimate confidence exists in the products specified in this certificate and supplied by the above organisation be relied upon to comply with the Kiwa Evaluation Guideline referred above.

Which verifies the requirements of:

Regulation 4(1)a of the Water Supply (Water Fittings) Regulations 1999 England & Wales: 2009 Northern Ireland and 2014 Byelaws Scotland.

This certificate has been issued in accordance with the Kiwa regulations for product certification.

Signed on behalf of Kiwa Watertec

David Jay, Business Unit Manager – Authorised Signatory
Kiwa Watertec

Publication of this certificate is allowed.

Products are intended to be used in the UK only. For other countries, other (National) requirements will apply.

See <https://www.kiwa.com/gb/en/about-kiwa/water-products/> to ensure that the certificate is still valid.

CERTIFICATE

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(A Trading Division of Kiwa Ltd)
26A Rassau Industrial Estate
Ebbw Vale
Gwent
NP23 5SD
United Kingdom
T +44 (0)1495 308185
uk.water@kiwa.com
www.kiwa.co.uk

Certificate Issued to:
Aquatechnik Group S.p.a.
20020 Magnago (MI) – Via P. F. Calvi
40 - Italy



Product Certificate

Appendix to Certificate number: 2205716

The following products belong to this certificate

<p>PRODUCT DESCRIPTION 'Safety' range of press fittings (PPSU or PPS bodies) for use 'Multicalor' multi-layered PEX/Al/PEX pipe. For above ground use only. ATS3 – Without Production Surveillance.</p>
<p>MODEL(S) Threaded joint M. (PPSU thread) 20001 - M$\frac{3}{8}$"x16 20002 - M$\frac{1}{2}$"x16 20006 - M$\frac{1}{2}$"x20 20010 - M$\frac{3}{4}$"x20 20012 - M$\frac{3}{4}$"x26 20013 – M1"x26 20016 – M1"x32 20018 – M1$\frac{1}{4}$"x40 20028 – M1$\frac{1}{2}$"x50 20033 – M2"x63 20039 – M2$\frac{1}{2}$"x75 Threaded joint M. (Alloy thread) 20022 - M$\frac{1}{2}$"x16 20026 - M$\frac{1}{2}$"x20 Threaded joint F. (PPSU thread) 20062 - F$\frac{1}{2}$"x16 20066 - F$\frac{1}{2}$"x20 20070 - F$\frac{3}{4}$"x20 20072 - F$\frac{3}{4}$"x26 20073 – F1"x26 20076 – F1"x32 20078 – F1$\frac{1}{4}$"x40 20088 – F1$\frac{1}{2}$"x50 20093 – F2"x63 Threaded joint F. (Alloy thread) 20082 - F$\frac{1}{2}$"x16 20086 - F$\frac{1}{2}$"x20 Reducer 20122 – 20x16 20126 – 26x16 20130 – 26x20 20132 – 32x16 20136 – 32x20 20138 – 32x26 20142 – 40x16 20144 – 40x20 20146 – 40x26 20148 – 40x32 20156 – 50x40 20166 – 63x32 20168 – 63x40 20170 – 63x50 20178 – 75x32 20180 – 75x40 20182 – 75x50 20184 – 75x63</p>

Product Certificate

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Threaded elbow F. with bracket (PPSU thread)

20212 - F $\frac{1}{2}$ "x16

20216 - F $\frac{1}{2}$ "x20

Threaded elbow F. with bracket (Alloy thread)

20202 - F $\frac{1}{2}$ "x16

20206 - F $\frac{1}{2}$ "x20

Threaded elbow F. (PPSU thread)

20222 - F $\frac{1}{2}$ "x16

20226 - F $\frac{1}{2}$ "x20

20230 - F $\frac{3}{4}$ "x20

20232 - F $\frac{3}{4}$ "x26

20238 - F1"x32

Threaded elbow F. (Alloy thread)

20262 - F $\frac{1}{2}$ "x16

20266 - F $\frac{1}{2}$ "x20

Threaded elbow M. (PPSU thread)

20282 - M $\frac{1}{2}$ "x16

20286 - M $\frac{1}{2}$ "x20

20288 - M $\frac{3}{4}$ "x20

20290 - M $\frac{3}{4}$ "x26

20296 - M1"x32

Threaded elbow M. (Alloy thread)

20322 - M $\frac{1}{2}$ "x16

20326 - M $\frac{1}{2}$ "x20

Elbow with extended thread M/F

20330 - M $\frac{3}{4}$ "x F $\frac{1}{2}$ "x16

Threaded elbow F/F (PPSU thread)

20332 - F $\frac{1}{2}$ "x16

20336 - F $\frac{1}{2}$ "x20

20337 - F $\frac{3}{4}$ "x26

20338 - F1"x32

Threaded elbow M/F (PPSU thread)

20342 - M $\frac{1}{2}$ "x16

20344 - M $\frac{1}{2}$ "x20

20346 - M $\frac{3}{4}$ "x26

20348 - M1"x32

Elbow 90° M/F

20352 - 16x16

20356 - 20x20

20358 - 26x26

20360 - 32x32

20362 - 40x40

Elbow 90°

20382 - 16x16

20386 - 20x20

20388 - 26x26

20390 - 32x32

20392 - 40x40

20394 - 50x50

20396 - 63x63

20398 - 75x75

Elbow 90° F/F

20402 - 16x16

20406 - 20x20

20408 - 26x26

20410 - 32x32

Product Certificate

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Elbow 45°

20416 – 20x20

20418 – 26x26

20420 – 32x32

20422 – 40x40

20424 – 50x50

20426 – 63x63

20428 – 75x75

Elbow 45° M/F

20432 – 20x20

20433 – 26x26

20434 – 32x32

20435 – 40x40

20436 – 50x50

Pipe coupling

20442 – 16x16

20446 – 20x20

20448 – 26x26

20450 – 32x32

20452 – 40x40

20454 – 50x50

20456 – 63x63

20458 – 75x75

Reduced pipe coupling

20472 – 20x16

20440 – 26x20

Nipples F/F

20522 – 16x16

20526 – 20x20

20528 – 26x26

20530 – 32x32

20532 – 40x40

20534 – 50x50

Threaded Tee F. (PPSU thread)

20542 – 16xF $\frac{1}{2}$ "x16

20546 – 20xF $\frac{1}{2}$ "x20

20550 – 26xF $\frac{3}{4}$ "x26

20556 – 32xF1"x32

Threaded Tee F. (Alloy thread)

20582 – 16xF $\frac{1}{2}$ "x16

20586 – 20xF $\frac{1}{2}$ "x20

Eccentric threaded Tee F. (PPSU thread)

20592 – 16xF $\frac{1}{2}$ "x16

20596 – 20xF $\frac{1}{2}$ "x20

Eccentric threaded Tee F. (Alloy thread)

20606 – 20xF $\frac{1}{2}$ "x20

Threaded Tee F. angle 90° (Alloy thread)

20632 – 16xF $\frac{1}{2}$ "x16

Tee

20662 – 16x16x16

20666 – 20x20x20

20668 – 26x26x26

20670 – 32x32x32

20672 – 40x40x40

20674 – 50x50x50

20676 – 63x63x63

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20678 – 75x75x75
Reduced Tee
20717 – 20x16x16
20720 – 20x16x20
20725 – 26x16x26
20728 – 26x20x26
20732 – 32x16x32
20735 – 32x20x32
20736 – 32x26x32
20740 – 40x16x40
20742 – 40x20x40
20744 – 40x26x40
20746 – 40x32x40
20750 – 50x16x50
20754 – 50x20x50
20756 – 50x26x52
20758 – 50x32x50
20760 – 50x40x50
20762 – 63x16x63
20766 – 63x20x63
20768 – 63x26x63
20770 – 63x32x63
20772 – 63x40x63
20774 – 63x50x63
20788 – 75x63x75
Pipe union with PPSU fitting thread and alloy tang thread
20832 - F $\frac{3}{4}$ "x16
20836 - F $\frac{3}{4}$ "x20
20840 – F1"x26
20844 – F1 $\frac{1}{4}$ "x32
Bent pipe union with PPSU fitting thread and alloy tang thread
20862 - F $\frac{3}{4}$ "x16
20866 - F $\frac{3}{4}$ "x20
20870 – F1"x26
20874 – F1 $\frac{1}{4}$ "x32
Pipe union
20882 – 16x16
20886 – 20x20
20888 – 26x26
20890 – 32x32
Closing cap M.
20902 – 16
20906 – 20
20908 – 26
20910 – 32
20912 – 40
20914 – 50
20916 – 63
20918 – 75
Closing cap F.
20952 – 16
20956 – 20
20958 – 26
20960 – 32
20962 – 40
20964 – 50

Product Certificate

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20966 – 63
20968 – 75
Reducing cap
21064 – F $\frac{1}{2}$ "x26
21066 – F $\frac{1}{2}$ "x32
Pipe
74154 – 16
74156 – 20
74158 – 26
74160 – 32
74162 – 40
74164 – 50
74166 – 63
74168 – 75
Threaded joint M. (PPS thread)
20001 - M $\frac{3}{8}$ "x16
20002 - M $\frac{1}{2}$ "x16
20006 - M $\frac{1}{2}$ "x20
20010 - M $\frac{3}{4}$ "x20
20012 - M $\frac{3}{4}$ "x26
20013 – M1"x26
20016 – M1"x32
20018 – M1 $\frac{1}{4}$ "x40
20028 – M1 $\frac{1}{2}$ "x50
20033 – M2"x63
20039 – M2 $\frac{1}{2}$ "x75
Threaded joint M. (Alloy thread)
20022 - M $\frac{1}{2}$ "x16
20026 - M $\frac{1}{2}$ "x20
Threaded joint F. (PPS thread)
20062 - F $\frac{1}{2}$ "x16
20066 - F $\frac{1}{2}$ "x20
20070 - F $\frac{3}{4}$ "x20
20072 - F $\frac{3}{4}$ "x26
20073 – F1"x26
20076 – F1"x32
20078 – F1 $\frac{1}{4}$ "x40
20088 – F1 $\frac{1}{2}$ "x50
20093 – F2"x63
Threaded joint F. (Alloy thread)
20082 - F $\frac{1}{2}$ "x16
20086 - F $\frac{1}{2}$ "x20
Reducer
20122 – 20x16
20126 – 26x16
20130 – 26x20
20132 – 32x16
20136 – 32x20
20138 – 32x26
20142 – 40x16
20144 – 40x20
20146 – 40x26
20148 – 40x32
20156 – 50x40
20166 – 63x32
20168 – 63x40

Product Certificate

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20170 – 63x50
20178 – 75x32
20180 – 75x40
20182 – 75x50
20184 – 75x63
Threaded elbow F. with bracket (PPS thread)
20212 - F $\frac{1}{2}$ "x16
20216 - F $\frac{1}{2}$ "x20
Threaded elbow F. with bracket (Alloy thread)
20202 - F $\frac{1}{2}$ "x16
20206 - F $\frac{1}{2}$ "x20
Threaded elbow F. (PPS thread)
20222 - F $\frac{1}{2}$ "x16
20226 - F $\frac{1}{2}$ "x20
20230 - F $\frac{3}{4}$ "x20
20232 - F $\frac{3}{4}$ "x26
20238 – F1"x32
Threaded elbow F. (Alloy thread)
20262 - F $\frac{1}{2}$ "x16
20266 - F $\frac{1}{2}$ "x20
Threaded elbow M. (PPS thread)
20282 - M $\frac{1}{2}$ "x16
20286 - M $\frac{1}{2}$ "x20
20288 - M $\frac{3}{4}$ "x20
20290 - M $\frac{3}{4}$ "x26
20296 – M1"x32
Threaded elbow M. (Alloy thread)
20322 - M $\frac{1}{2}$ "x16
20326 - M $\frac{1}{2}$ "x20
Elbow with extended thread M/F
20330 – M $\frac{3}{4}$ "x F $\frac{1}{2}$ "x16
Threaded elbow F/F (PPS thread)
20332 - F $\frac{1}{2}$ "x16
20336 - F $\frac{1}{2}$ "x20
20337 - F $\frac{3}{4}$ "x26
20338 – F1"x32
Threaded elbow M/F (PPS thread)
20342 - M $\frac{1}{2}$ "x16
20344 - M $\frac{1}{2}$ "x20
20346 - M $\frac{3}{4}$ "x26
20348 – M1"x32
Elbow 90° M/F
20352 – 16x16
20356 – 20x20
20358 – 26x26
20360 – 32x32
20362 – 40x40
Elbow 90°
20382 – 16x16
20386 – 20x20
20388 – 26x26
20390 – 32x32
20392 – 40x40
20394 – 50x50
20396 – 63x63
20398 – 75x75

Product Certificate

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Elbow 90° F/F
20402 – 16x16
20406 – 20x20
20408 – 26x26
20410 – 32x32
Elbow 45°
20416 – 20x20
20418 – 26x26
20420 – 32x32
20422 – 40x40
20424 – 50x50
20426 – 63x63
20428 – 75x75
Elbow 45° M/F
20432 – 20x20
20433 – 26x26
20434 – 32x32
20435 – 40x40
20436 – 50x50
Pipe coupling
20442 – 16x16
20446 – 20x20
20448 – 26x26
20450 – 32x32
20452 – 40x40
20454 – 50x50
20456 – 63x63
20458 – 75x75
Reduced pipe coupling
20472 – 20x16
20440 – 26x20
Nipples F/F
20522 – 16x16
20526 – 20x20
20528 – 26x26
20530 – 32x32
20532 – 40x40
20534 – 50x50
Threaded Tee F. (PPS thread)
20542 – 16xF $\frac{1}{2}$ "x16
20546 – 20xF $\frac{1}{2}$ "x20
20550 – 26xF $\frac{3}{4}$ "x26
20556 – 32xF1"x32
Threaded Tee F. (Alloy thread)
20582 – 16xF $\frac{1}{2}$ "x16
20586 – 20xF $\frac{1}{2}$ "x20
Eccentric threaded Tee F. (PPS thread)
20592 – 16xF $\frac{1}{2}$ "x16
20596 – 20xF $\frac{1}{2}$ "x20
Eccentric threaded Tee F. (Alloy thread)
20606 – 20xF $\frac{1}{2}$ "x20
Threaded Tee F. angle 90° (Alloy thread)
20632 – 16xF $\frac{1}{2}$ "x16
Tee
20662 – 16x16x16
20666 – 20x20x20

Product Certificate

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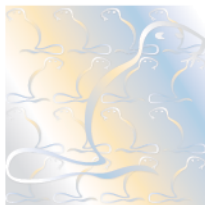
20668 – 26x26x26
20670 – 32x32x32
20672 – 40x40x40
20674 – 50x50x50
20676 – 63x63x63
20678 – 75x75x75
Reduced Tee
20717 – 20x16x16
20720 – 20x16x20
20725 – 26x16x26
20728 – 26x20x26
20732 – 32x16x32
20735 – 32x20x32
20736 – 32x26x32
20740 – 40x16x40
20742 – 40x20x40
20744 – 40x26x40
20746 – 40x32x40
20750 – 50x16x50
20754 – 50x20x50
20756 – 50x26x52
20758 – 50x32x50
20760 – 50x40x50
20762 – 63x16x63
20766 – 63x20x63
20768 – 63x26x63
20770 – 63x32x63
20772 – 63x40x63
20774 – 63x50x63
20788 – 75x63x75
Pipe union with PPS fitting thread and alloy tang thread
20832 - F $\frac{3}{4}$ "x16
20836 - F $\frac{3}{4}$ "x20
20840 – F1"x26
20844 – F1 $\frac{1}{4}$ "x32
Bent pipe union with PPS fitting thread and alloy tang thread
20862 - F $\frac{3}{4}$ "x16
20866 - F $\frac{3}{4}$ "x20
20870 – F1"x26
20874 – F1 $\frac{1}{4}$ "x32
Pipe union
20882 – 16x16
20886 – 20x20
20888 – 26x26
20890 – 32x32
Closing cap M.
20902 – 16
20906 – 20
20908 – 26
20910 – 32
20912 – 40
20914 – 50
20916 – 63
20918 – 75
Closing cap F.
20952 – 16

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20956 – 20 20958 – 26 20960 – 32 20962 – 40 20964 – 50 20966 – 63 20968 – 75 Reducing cap 21064 – F $\frac{1}{2}$ "x26 21066 – F $\frac{1}{2}$ "x32
SIZE: 16mm – 75mm.
SCOPE: Manufacturer recommended maximum working pressure 10 Bar & maximum operating temperature 95°C. Hygienic Purposes: Non-metallic materials suitable for continuous use up to 85°C. Above ground use only.
MARKING Aquatechnik logo on fitting body. Aquatechnik, 'Multicalor' & technical information on pipe.
MATERIALS Non-metallic materials assessed (BS6920) to point of discharge.
BACKFLOW PROTECTION NOTES N/A.
ADDITIONAL NOTES All water contact & exposed components satisfy opacity requirements.

Extra Notes



Technical-approval-with-product certificate K109961/01

Issued 2022-10-01

Replaces -

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Safety PLUS

STATEMENT BY KIWA

With this technical approval with product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

Aquatechnik spa

as specified in this technical approval with 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-K536 E** "Plastics piping systems of PE-X/Al intended for transport of hot and cold drinking water" dated 15-12-2011 inclusive amendment sheet dated 13-03-2018.

Within the framework of this technical approval with product certificate Kiwa does not impose any inspections with regard to the production of other parts of the (product), nor the manufacturing of the (product) itself.

Ron Scheepers
Kiwa

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

CERTIFICATE

284190610

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Certification process
consists of initial and
regular assessment of:

- quality system
- product

Safety PLUS

TECHNICAL SPECIFICATION

Subject

Safety PLUS

Product characteristics

The product complies to BRL K536-E Plastics piping systems of PE-X/Al intended for transport of hot and cold drinking water.

The system consists of:

- PE-X/Al/PE-X pipes manufactured by Valsir S.p.a. (certificate K22718);
- PPS /20%GF fittings manufactured by Aquatechnik spa. (certificate K109963).

Specification

The dimensions of the pipe in the table below are part of this certificate.

Nominal outside diameter (mm)	Wall thickness (mm)	Wall thickness Aluminium (mm)
16	2,0	0,3
20	2,0	0,4
26	3,0	0,58
32	3,0	0,75

Colour of the pipes: inner pipe Natural
 outer pipe White

Colour fittings: creme

Fitness for contact with drinking water



The pipes and fittings used in this system are approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" dated 01-07-2017; ("Materials and chemicals in the supply of drinking water and warm tap water Regulation"; published in the Government Gazette). The criteria for these hygienic aspects are recorded in the respective product certificates.

MARKING

The products shall be marked with the Kiwa-mark.

Pipes

The minimum required marking on the pipes shall be:

- **KIWA**  or  * + class 2/ 10 bar;
 - material identification: PE-Xb;
 - the build-up of the pipe: PE-Xb/Al/PE-Xb;
 - certificate number of accompanying technical approval-with-product certificate of the piping system;
 - the manufacturer's name, trade name, system name or logo;
 - nominal outside diameter in mm;
 - nominal wall thickness of the pipe in mm;
 - production code.





The realization of the marks is as follows: clearly, durable and indelible at intervals of not more than 2 meters.

*) for smaller diameters permitted by Kiwa.

Safety PLUS

Fittings


The minimum required marking on the fittings shall be:

- **KIWA**  on small products  or  or **KK*** or **KK** (if not possible **KIWA**  only on the smallest packaging unit)**;
- the manufacturer's name, trade name or logo;
- nominal outside diameter of the corresponding pipe;
- production code.

Location of the marks: on every fitting.

The realization of the marks is as follows: clearly, durable and indelible.

The smallest packaging unit of the fittings are provided with at least the following information:

- **KIWA** 
 - certificate number of the accompanying technical approval-with-product certificate of the piping system, according the marking of the belonging pipe;
 - the manufacturer's name, trade name, system name or logo;
 - material identification if the fitting body is made of plastics;
 - nominal outside diameter and nominal wall thickness of the corresponding pipe in mm.

Location of the marks: on every package.

The realization of the marks is as follows: clearly, durable and indelible on every packaging.

*) for small fittings marking with only KK is permitted.

***) only after approval by Kiwa.

LOGISTICS

Production and assembly of the system is laid down in the annex of the certification agreement.

APPLICATION AND USE

The medium pipes and fittings are designed for drinking water installations with a lifetime of 50 years at an operating temperature profile according to class 2 of NEN-ISO 10508 and an allowable working pressure of maximum 10 bar.

RECOMMENDATIONS FOR CUSTOMERS

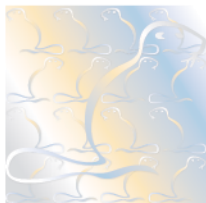
Check at the time of delivery whether:

- 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:

- Aquatechnik spa
- and, if necessary,
- Kiwa Nederland B.V.

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



Product certificate K109963/01

Issued 2022-01-10

Replaces -

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Safety PLUS fitting

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

Aquatechnik spa

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-K536 E "Plastics piping systems of PE-X/Al intended for transport of hot and cold drinking water" dated 15-12-2011 inclusive amendment sheet dated 13-03-2018.

Ron Scheepers
Kiwa

*This product certificate is only valid in combination with a Kiwa certified plastics piping system.
Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.*

CERTIFICATE

286180711

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Certification process
consists of initial and
regular assessment of:

- quality system
- product

Safety PLUS fitting

TECHNICAL SPECIFICATION

Subject

Safety PLUS fitting

Product characteristics

The PPS/20%GF fitting complies to BRL K536-E Plastics piping systems of PE-X/Al intended for transport of hot and cold drinking water.

Specification

The fittings are suitable for the pipe dimensions stated in the table below

Nominal outside diameter (mm)	Wall thickness (mm)	Wall thickness Aluminium (mm)
16	2,0	0,3
20	2,0	0,4
26	3,0	0,58
32	3,0	0,75

Colour : creme

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 products shall be marked with the Kiwa-mark.

Fittings


The minimum required marking on the fittings shall be:

- **KIWA**  or on small products  or  or **KK*** or **KK*** (if not possible **KIWA**  only on the smallest packaging unit)**;
- Kiwa (if not possible Kiwa only on the smallest packaging);
- the manufacturer's name, trade name or logo;
- nominal outside diameter of the corresponding pipe;
- production code.

Location of the marks: on every fitting.

The realization of the marks is as follows: clear, durable and indelible.

The smallest packaging unit of the fittings are provided with at least the following information:

- **KIWA** 
- certificate number of the accompanying technical approval-with-product certificate of the piping system, according the marking of the belonging pipe;
- the manufacturer's name, trade name, system name or logo;
- material identification if the fitting body is made of plastics;
- nominal outside diameter and nominal wall thickness of the corresponding pipe in mm.

Location of the marks: on every package.

The realization of the marks is as follows: clear, durable and indelible on every packaging.

Safety PLUS fitting

*) for small fittings marking with only KK is permitted.

**) only after approval by Kiwa.

Logistics

Production and assembly of the system is laid down in the annex of the certification agreement.

APPLICATION AND USE

The products are designed for drinking water installations with a lifetime of 50 years at an operating temperature profile according to class 2 of ISO 10508 and an allowable working pressure of maximum 10 bar.

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
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