

AVIZ SANITAR
PENTRU PRODUSELE ALIMENTARE ȘI NEALIMENTARE Nr. P-18480/2023
Санитарное заключение для пищевых и непищевых продуктов
din/от 31 octombrie 2023

Prin prezentul aviz sanitar se confirmă că producerea, importul, utilizarea și desfacerea produselor / echipamentelor
Настоящим санитарным заключением подтверждается что производство, ввоз, использование и реализация продукции / оборудования
Țevi din polietilenă pentru apă potabilă și gaz

sunt conforme Regulamentului (lor) sanitar (e) / соответствуют санитарному (ым) регламенту (ам) (se va indica denumirea completă a
Regulamentului (lor) sanitar (e) / указать полное наименование санитарного (ых) регламента (ов))

GOST 18599-2001 – țevi apeduct, SM GOST R 50838-2005 – țevi gazoduct, Reglementărilor tehnice cu privire la
cerințele minime pentru comercializarea produselor pentru construcții aprobat prin HG 913/2016, HG 278/2013

Organizația-producătoare/importatoare, țara de origine / организация произв./импортер, страна происхождения

ÎM „PALPLAST” SRL, Republica Moldova

Destinatarul avizului sanitar / получатель санитарного заключения

Î.M. PALPLAST S.R.L. , Republica Moldova, r-nul Călărași, or. Călărași, Alexandru cel Bun str-la 1, 114, 4404

Temei pentru recunoașterea conformității produselor Regulamentului (lor) sanitar (e) menționat (e) a servit /

Основанием для признания продукции указанному (ым) санитарному (ым) регламенту (ам) послужило

Demers, autorizație sanitară de funcționare nr.004775/2020 din 17.02.2020, aviz sanitar nr.P-7437/2020 din 11.01.2022,
raport a încercărilor de laborator nr.51012229 din 30.10.2023

(a enumera documentele de însoțire, buletinele de analiză / перечислить сопроводительные док., протоколы исслед.)

Caracteristica sanitară a produselor / санитарная характеристика продукции:

Parametrii (factorii) / показатели (факторы)

Normativul sanitar / санитарный норматив

conform raportului încercărilor de laborator nr.51012229 din 30.10.2023

Domeniu de utilizare / Область применения:

montarea rețelelor de apeduct, gazoduct

Condițiile necesare de utilizare, depozitare, transportare, măsurile de securitate / Необходимые условия использования, хранения,
транспортировки, меры безопасности:

plasarea pe piață în condițiile respectării legislației în vigoare în Republica Moldova

AVIZUL SANITAR este valabil pînă la / Санитарное заключение действительно до: 31.10.2026

DIRECTORUL AGENȚIEI NAȚIONALE PENTRU SĂNĂTATE PUBLICĂ

Nicolae Jelamschi

Digitally signed by Jelamschi Nicolae
Date: 2023.10.31 12:49:59 EET
Reason: MoldSign Signature
Location: Moldova





CENTRUL TEHNIC PENTRU SECURITATE
INDUSTRIALĂ ȘI CERTIFICARE SRL



CERTIFICAT DE CONFORMITATE

Nr. de înregistrare

OCP_{GSP} MD 015 11A 49966-24

Data emiterii

21 octombrie 2024

Valabil până la

21 octombrie 2027

ORGANISMUL DE CERTIFICARE A PRODUSELOR CU GRAD SPORIT DE PERICOL
din cadrul SRL "Centrul Tehnic pentru Securitate Industrială și Certificare", certificat de acreditare OCpr-015, MD-2001, mun. Chișinău, str. Meleștiu, 22/A, tel.: 022208156, 022208186

PRIN PREZENTUL DOCUMENT SE CONFIRMĂ FAPTUL, CĂ PRODUSELE IDENTIFICATE ASTFEL:
DENUMIREA / DESCRIEREA

Țevi din polietilenă de înaltă densitate PE80, PE100, PE100RC
pentru rețele de alimentare cu apă;
tipurile, dimensiunile - conform anexei (1 poziție);
producție în serie

Codul NC MD
3917

SUNT CONFORME CU CERINȚELE OBLIGATORII STABILITE ÎN
SM EN 12201-2:2024

PRODUCĂTOR

PALPLAST SRL
RM, or. Calarași, str. Alexandru cel Bun, 114

Codul țării
MD

CLIENT

PALPLAST SRL
RM, or. Calarași, str. Alexandru cel Bun, 114

Codul IDNO
1005609000243

CERTIFICATUL ESTE ELIBERAT ÎN BAZA

Raportului de evaluare a procesului de producție nr. 012 din 21.10.2024.
Raportului de evaluare nr.6/053-ev din 21.10.2024.

INFORMAȚIE SUPLIMENTARĂ

Certificatul este eliberat conform schemei de certificare de tip 3 (SM SR EN ISO/CEI 17067:2014).
Sunt stabilite 2 supravegheri cu periodicitatea de o dată în an.
Certificatul este valabil numai în prezența anexei la certificatul dat.

Seria C nr. 006819



Conducătorul
organismului de certificare

Angela Postolache



În atenția antreprenorilor și organelor de control!
Copiile certificatului de conformitate se legalizează în modul stabilit de
Organismul de Certificare a Produselor cu Grad Sporit de Pericol

CENTRUL TEHNIC PENTRU SECURITATE
INDUSTRIALĂ ȘI CERTIFICARE SRL

Fila 1 File 1

Anexă
la certificatul de conformitate

Nr. OC P_{GSP} MD 015 11A 49966-24 din 21.10.2024
Lista produselor concrete asupra cărora se extinde acțiunea certificatului de conformitate

Nr.	Tip	Material	Gama de diametre, DN						
			SDR7,4	SDR9	SDR11	SDR13,6	SDR17	SDR21	SDR26
1	monostrat	PE80 PE100 PE100RC	20÷250	20÷250	20÷250	25÷250	32÷250	40÷250	50÷250

003622
Serial



Conducătorul
organismului de certificare

Angela Postolache

Anexa nu este valabilă în lipsa certificatului de conformitate

Approval Number: 1602534
Test Report: MAT/LAB 301K



Water Regulations Advisory Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Crumlin,
Gwent,
NP11 4EG

11th March 2016

Langfang Kinlin Powder Coating Co., Ltd.
No.305-19,Guangming East Avenue,
Guangyang District,
Langfang,
Hebei Province,
China

WATER REGULATIONS ADVISORY SCHEME LTD. (WRAS)
MATERIAL APPROVAL

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6920-1:2000 and/or 2014 'Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water'.

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

COATINGS, PAINTS & LININGS - FACTORY APPLIED PIPE & FITTINGS COATINGS.

5030

'EPX-111'. Blue coloured, factory applied epoxy powder coating. Apply and cure as per manufacturer's instructions XL-R-019-R1 dated 12-11-2015. Cure for 10 minutes @180°C. For use with water up to 23°C. This material is only approved for the curing conditions that appear on the approval. If the cure conditions are varied from those specified then the material is not covered by the scope of the approval.

APPROVAL NUMBER: 1602534

APPROVAL HOLDER: LANGFANG KINLIN POWDER COATING CO., LTD.

The Scheme reserves the right to review approval.

Approval 1602534 is valid between February 2016 and February 2021

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: www.wras.co.uk/directory

Yours faithfully

A handwritten signature in dark ink, appearing to read 'J Furnival', written in a cursive style.

Jason Furnival
Approvals & Enquiries Manager
Water Regulations Advisory Scheme

WRAS MATERIAL APPROVAL - MATERIALS WHICH HAVE PASSED FULL TESTS OF EFFECT ON WATER QUALITY

The material referred to in this letter is suitable for contact with water for domestic purposes. **Approval of this material does not signify the approval of its mechanical or physical properties for any use.**

Manufacturers or applicants may only quote in their sales literature terms which are used in this letter, namely that; 'the material as listed, having passed the tests of effect on water quality, is suitable for use in contact with wholesome water'

This may be abbreviated to 'Water Regulations Advisory Scheme - Approved Material' or 'WRAS Approved Material'.

The scope of an Approval does not extend to rebranded materials unless otherwise agreed by the Scheme.

Use of the WRAS Approved Material Logo

Approval holders may use the WRAS Approved Material logo and make reference to any approval issued by WRAS Ltd. in respect of a particular material or range of materials provided the approval is, and remains valid.

Approval holders are entitled to use the logo on the packing, promotional literature and point of sale advertising Approved Materials.

Modifications to existing Approvals

It is a condition of WRAS Material Approval that NO changes or modifications to the Approved Material, be made without the Approval Holder first notifying WRAS Ltd. Full details of the proposed changes must be provided to the Scheme. Failure to comply with this condition will immediately invalidate a previously granted Approval.

Re-Approval

WRAS will write to you 1 year before the approval expires asking whether you would like to renew it. Please complete the relevant section of the MA3 application form which will be included with the letter and return to WRAS (via e-mail or post).

Please note it is the responsibility of the Approval Holder to ensure the Approval remains valid. WRAS Ltd. accepts no liability for the delay in granting approval where this is caused by circumstances outside of the Scheme's control.

VILNIUS, 25/03/2015

DECLARATION OF CONFORMITY NO.B25/03/15

1. Producer: **BLUCAST JSC, Konstitucijos ave. 23a/101, LT08105 VILNIUS, Lithuania**

2. Product name:

Ductile cast iron fittings DN50 -600, PN10/16:

All flanged Tee: T DN50 – DN600

All flanged Cross TT: DN50 – DN400

Double flanged Bend 90° Q: DN50 – DN600

Double flanged Bend 45° FFK: DN50 – DN300

Double flanged Taper FFR: DN50 – DN400

Double flanged Pipe FF: DN50 – DN200

Blind Flange X : DN50 – DN400

Threaded Flange XS: DN50 – DN200

Duckfoot Bend 90° N: DN80 – DN150

Studded reducer Flange XR: DN80 – DN300

Dismantling Joint DJ: DN100 – DN600

Special Tee for Hydrant PPTF: DN100 – DN200

Flange adaptors and couplings AUN, MUN, APZ, APE, MPZ: DN50 – DN600

Tapping saddles BPE, BPF, BK, BFL: DN50 – DN400

3. Destination and product range to apply:

Ductile cast iron fittings are designed for installation in drinking, sewage water pipe lines, at the temperature of 70°C and the pressure up to 16 bar.

4. Documents of reference:

NATIONAL INSTITUTE OF HYGIENE – HK/W/0532/01/2013

CHEMICAL TESTING DIVISION OF NATIONAL PUBLIC HEALTH SURVEILLANCE LABORATORY –

Ch3529(Ch 3529)

5. Technical characteristics:

Range of diameters DN: 50 - 600.

Body material- ductile iron EN-GJS-500-7

Bolts, nuts, and washers - carbon steel, hot galvanized or stainless steel

Gasket – EPDM acc. EN681-1

Coating- epoxy powder coating min. 250µm, RAL5015

PN-EN 1092-1:1999

PN-EN 545

I declare with full responsibility that the products mentioned in point 2 are consistent with the documents of reference mentioned in point 4.

2015.03.25

Gytis Mikėlauskas
Vadybininkas

BLUCAST®

JOINT STOCK COMPANY
Konstitucijos ave. 23A-101,
LT-08105 VILNIUS

VAT No. LT100007083115, ID 302824991

NATIONAL DEKLARATION OF PERFORMANCE

No 2020/Kolana N

1. Name and trade name of the construction product: **Flanged N elbow with foot.**
2. Designation of the construction product type: **44.200.DN - GJL (DN – diameter 80, 100)**
45.200.DN – GJS (DN – diameter 80, 100)
3. Intended use or uses:
Cast iron pipes, fittings and accessories and their connections to water pipelines.
4. Name and address of the manufacturer's seat and place of production of the product:
BOHAMET ARMATURA Spółka z o.o.; Ciele, ul. Kościelna 2, 86-005 Białe Błota
5. Authorized representative: **not applicable**
6. National system used for the assessment and verification of constancy of performance: **System 4**
7. National technical specification:
7A) Polish product standard:
PN-EN 545:2010 – Rury, kształtki i wyposażenie z żeliwa sferoidalnego oraz ich złącza do rurociągów wodnych - Wymagania i metody badań.
PN-EN 1092-2:1999 - Kołnierze i ich połączenia. Kołnierze okrągłe do rur, armatury, łączników i osprzętu z oznaczeniem PN. Kołnierze żeliwne.
7B) National technical assessment: **not applicable**
8. Declared performance:

The essential characteristics of the construction product for the intended use or uses	Declared performance	Comments
Dimensions	PN-EN 1092-2:1999	
Strenght	PN-EN 545	
Pressure	PN-EN 12266-1	PN10/16

9. The performance of the product identified above is in conformity with all the declared performance properties listed in point 8. This national declaration of performance is issued in accordance with the Act of 16 April 2004 on construction products, under the sole responsibility of the manufacturer.

Signed on behalf of the manufacturer by:

Piotr Kozłowski Quality Control

(name and function)

Ciele 07.01.2020

(place and date of issue)

BOHAMET-ARMATURA Spółka z o.o.
Ciele, ul. Kościelna 2, 86-005 Białe Błota
NIP 554-23-42-840 • REGON 092535146
KRS 0000750390

BOHAMET-ARMATURA Spółka z o.o.


Piotr Kozłowski
SPECJALISTA DS. KONTROLI I JAKOŚCI

(signature)



CERT

DVGW type examination certificate

DVGW-Baumusterprüfzertifikat

DV-8601AQ3257

Registration Number
Registriernummer

Field of Application <i>Anwendungsbereich</i>	products of gas and water supply <i>Produkte der Gas- und Wasserversorgung</i>
Owner of Certificate <i>Zertifikatinhaber</i>	Georg Fischer Wavin AG Ebnatstraße 111, CH-8201 Schaffhausen
Distributor <i>Vertreiber</i>	Georg Fischer Wavin AG Ebnatstraße 111, CH-8201 Schaffhausen
Product Category <i>Produktart</i>	plastic fittings and compression fittings: PE-HD electro fusion fitting, diameter up to 63 mm (8603)
Product Description <i>Produktbezeichnung</i>	PE-HD electro fusion fitting, diameter up to 63 mm
Model <i>Modell</i>	ELGEF-Plus (Georg Fischer +GF+)
Test Reports <i>Prüfberichte</i>	laboratory control test: K 20 0058.1 from 20.07.2020 (MPD) type testing: K 20 0420.1 from 29.06.2020 (MPD) KTW testing: KR 039/20 from 09.11.2020 (TZW) hygienic testing: MO 226/19 from 23.04.2020 (TZW) KTW testing: KR 040/20 from 09.11.2020 (TZW) hygienic testing: MO 180/19 from 21.04.2020 (TZW)
Test Basis <i>Prüfgrundlagen</i>	DVGW GW 335-B2 (01.09.2004) DVGW GW 335-B2/B1 (01.02.2013) UBA KTW-BWGL (11.03.2019) DVGW W 270 (01.11.2007)

Date of Expiry / File No. 07.02.2026 / 20-0920-WNV
Ablaufdatum / Aktenzeichen

03.12.2020 Fk A-1/2

Date, Issued by, Sheet, Head of Certification Body
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle

DVGW CERT GmbH is an accredited body by DAkkS according to DIN EN ISO/IEC 17065:2013 for certification of products for energy and water supply industry.

DVGW CERT GmbH ist von der DAkkS nach DIN EN ISO/IEC 17065:2013 akkreditierte Stelle für die Zertifizierung von Produkten der Energie- und Wasserversorgung.



Deutsche
Akkreditierungsstelle
D-ZE-16028-01-05

DVGW CERT GmbH
Zertifizierungsstelle

Josef-Wirmer-Str. 1-3
53123 Bonn

Tel. +49 228 91 88 - 888
Fax +49 228 91 88 - 993

www.dvgw-cert.com
info@dvgw-cert.com

Type Typ	Technical Data Technische Daten	Remarks Bemerkungen
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 20 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 25 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 32 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 40 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 50 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 63 mm	

Hints of Utilization / Remarks**Verwendungshinweise / Bemerkungen**

parts: sockets, angles, T-pieces, reducers, caps, saddles, saddles for gas-free drilling



DVGW type examination certificate

DVGW-Baumusterprüfzertifikat

DV-8606AQ3258

Registration Number
Registriernummer

Field of Application <i>Anwendungsbereich</i>	products of gas and water supply <i>Produkte der Gas- und Wasserversorgung</i>
Owner of Certificate <i>Zertifikatinhaber</i>	Georg Fischer Wavin AG Ebnetstraße 111, CH-8201 Schaffhausen
Distributor <i>Vertreiber</i>	Georg Fischer Wavin AG Ebnetstraße 111, CH-8201 Schaffhausen
Product Category <i>Produktart</i>	plastic fittings and compression fittings: PE-HD electro fusion fitting, diameter 75 up to 225 mm (8608)
Product Description <i>Produktbezeichnung</i>	PE-HD electro fusion fitting, diameter 75 up to 225 mm
Model <i>Modell</i>	ELGEF-Plus (Georg Fischer +GF+)
Test Reports <i>Prüfberichte</i>	laboratory control test: K 20 0058.2 from 20.07.2020 (MPD) laboratory control test: K 20 0058.13 from 20.07.2020 (MPD) type testing: K 20 0420.2+K 20 0420.3 from 29.06.2020 (MPD) KTW testing: KR 039/20 from 09.11.2020 (TZW) hygienic testing: MO 226/19 from 23.04.2020 (TZW) KTW testing: KR 040/20 from 09.11.2020 (TZW) hygienic testing: MO 180/19 from 21.04.2020 (TZW)
Test Basis <i>Prüfgrundlagen</i>	DVGW GW 335-B2 (01.09.2004) DVGW GW 335-B2/B1 (01.02.2013) UBA KTW-BWGL (11.03.2019) DVGW W 270 (01.11.2007)
Date of Expiry / File No. <i>Ablaufdatum / Aktenzeichen</i>	07.02.2026 / 20-0920-WNV

03.12.2020 Fk A-1/2

Date, Issued by, Sheet, Head of Certification Body
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle

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D-ZE-16028-01-05

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www.dvgw-cert.com
info@dvgw-cert.com

Type <i>Typ</i>	Technical Data <i>Technische Daten</i>	Remarks <i>Bemerkungen</i>
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 75 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 90 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 110 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 125 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 140 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 160 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 180 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 200 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 225 mm	

Hints of Utilization / Remarks***Verwendungshinweise / Bemerkungen***

parts: sockets, angles, T-pieces, reducers, caps, saddles, saddles for gas-free drilling



DVGW type examination certificate

DVGW-Baumusterprüfzertifikat

DV-8611AQ3259

Registration Number
Registriernummer

Field of Application <i>Anwendungsbereich</i>	products of gas and water supply <i>Produkte der Gas- und Wasserversorgung</i>
Owner of Certificate <i>Zertifikatinhaber</i>	Georg Fischer Wavin AG Ebnetstraße 111, CH-8201 Schaffhausen
Distributor <i>Vertreiber</i>	Georg Fischer Wavin AG Ebnetstraße 111, CH-8201 Schaffhausen
Product Category <i>Produktart</i>	plastic fittings and compression fittings: PE-HD electro fusion fitting, diameter 250 up to 630 mm (8613)
Product Description <i>Produktbezeichnung</i>	PE-HD electro fusion fitting, diameter 250 up to 630 mm
Model <i>Modell</i>	ELGEF-Plus (Georg Fischer +GF+)
Test Reports <i>Prüfberichte</i>	laboratory control test: K 20 0058.11 from 20.07.2020 (MPD) laboratory control test: K 20 0058.3 from 20.07.2020 (MPD) supplement test: K 17 0287.1 from 20.03.2017 (MPD) supplement test: K 17 0287.2 from 17.03.2017 (MPD) laboratory control test: K 15 0331.18 from 11.11.2015 (MPD) mechanical test: K 12 0040.3 from 08.03.2012 (MPD) type testing: K 05 1560.3 from 06.01.2006 (MPD)
Test Basis <i>Prüfgrundlagen</i>	DVGW GW 335-B2 (01.09.2004) DVGW GW 335-B2/B1 (01.02.2013) UBA KTW (07.03.2016) DVGW W 270 (01.11.2007)
Date of Expiry / File No. <i>Ablaufdatum / Aktenzeichen</i>	07.02.2026 / 20-0920-WNV

70028-04-A-DE

03.12.2020 Fk A-1/2

Date, Issued by, Sheet, Head of Certification Body
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle

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Deutsche
Akkreditierungsstelle
D-ZE-16028-01-05

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Fax +49 228 91 88 - 993

www.dvgw-cert.com
info@dvgw-cert.com

Type <i>Typ</i>	Technical Data <i>Technische Daten</i>	Remarks <i>Bemerkungen</i>
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 250 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 280 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 315 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 355 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 400 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 450 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 500 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 560 mm	
ELGEF-Plus (Georg Fischer +GF+)	nominal diameter: 630 mm	

Hints of Utilization / Remarks**Verwendungshinweise / Bemerkungen**

parts: sockets, angles, T-pieces, reducers, caps, clamp saddles

Date of valid edition 12-11-2020
No. 2038
Date of first issue 16-10-2006
Page 1 of 2

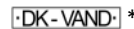
Name and address of certificate holder

Georg Fischer Wavin Ltd.
 Ebnatstrasse 111
 CH-8201 Schaffhausen
 Switzerland

Conformity marks covered by the certificate



Marks for products in contact with drinking water

 * DS's certification rules of 11 June 2008

Information regarding the certificate holder/manufacturer

Contact person Patric Haas	Telephone +41 52 631 3965
	Email patric.haas@georgfischer.com
Manufacturer Georg Fischer Wavin Ltd.	Place of manufacture Ebnatstrasse 111 CH-8201 Schaffhausen Switzerland

Product covered by the certificate

Type of product Plastics piping systems for water supply and for drainage and sewerage under pressure - Polyethylene (PE)	Standard Normative document EN 12201-3	Specific rules INSTA-CERT SBC EN 12201
Specification of product Electrofusion fittings, PE 100 (specified on page 2) 1 ($16 \leq d_n < 75$ mm), SDR 11 2 ($75 \leq d_n < 250$ mm), SDR 11, 17 3 ($250 \leq d_n < 710$ mm), SDR 11, 17 4 ($710 \leq d_n = 800$ mm), SDR 11, 17 Approved raw materials are specified in Annex 1 which is confidential.		

The certificate holder above is hereby given permission to use the INSTA-CERT mark on or in connection with products, which fulfil the requirements of the standard or the normative document specified above (what is said in this document about INSTA-CERT mark will also be valid for marks defined in relevant SBC). The certificate is valid on the condition that the certificate holder complies with "General rules for certification by partners of INSTA-CERT" (GRC) and the specific rules applying to certification of products of the type mentioned. The certificate holder is obliged to indemnify INSTA-CERT partners of any claim for damages or any other expenses to which partners may become liable as a result of injuries caused by a product manufactured or sold by the certificate holder. This also applies to defective or faulty products.

Unless terminated, the certificate will be automatically extended for one year at a time. The certificate will be re-issued with a new "date of valid edition" only if the content and/or conditions of the certificate have been changed. Termination may take place to the end of a year subject to three months notice on the part of the certificate holder and the certification body. Information on valid certificates is available on INSTA-CERT's homepage, www.insta-cert.net. The certificate is not transferable.

MEMBER OF INSTA-CERT
 DANCERT A/S


 Jørgen Baadsgaard-Jensen
 CEO

Date of valid edition

12-11-2020

Date of first issue

16-10-2006

No.

2038

Page

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The table below specifies the approved types and sizes

Electrofusion fittings, PE 100	Fitting group	Size group	SDR	Brand
Electrofusion Tee 90°, d20-63	A	1	11	GF, WA
Electrofusion elbow 90°, d20-63	A	1	11	GF, WA
Electrofusion reducer, d20-63	A	1	11	GF, WA
Electrofusion elbow 45°, d32-63	A	1	11	GF, WA
Electrofusion endcap, d20-63	A	1	11	GF, WA
Tapping saddle, d40/20-d63/32	B	1	11	GF, WA
Branch fitting, d110/90-d250/125	B	2, 3	11	GF, WA
Electrofusion coupler, d20-160	A	1, 2	11	GF, WA
Electrofusion coupler, d160-315	A	2, 3	11, 17	GF, WA
Electrofusion coupler, d355-800	A	3,4	11, 17	GF, WA
Saddle kit, d63/20-d315/63	B	1, 2, 3	11	GF
Repair saddle, d63-315	B	1, 2, 3	11	GF
Branch saddle, d63/63-d315/63	B	1, 2, 3	11	GF
Tapping Tee, d63/20-d225/63	B	1, 2	11	GF

Certificate holder
Georg Fischer Wavin Ltd.
Ebnatstrasse 111
CH-8201 Schaffhausen
Switzerland

The table below specifies the approved raw materials.

Raw material	Size group	SDR	DK-VAND Valid until	Reports
Electrofusion fittings, PE 100:				DS licence No. 1593 and additional testing
ELTEX TUB 121 ·DK-VAND· *	1, 2, 3	11, 17	05.05.2023	DTI 489679 DTI 575669 DHI 11819080
HOSTALEN CRP 100 ·DK-VAND· *	1, 2, 3	11, 17	02.10.2023	DHI 11824564-Ed.2A DHI 11824564-Ed.1A
ELTEX TUB 121 N3000 ¹ ·DK-VAND· *	3	11, 17	02.10.2023	DHI 11824564-Ed.3A DHI 11824564-Ed.4A

¹ Approved only for electrofusion coupler d355-800 (pipe in pipe construction) except d355 which is made of Hostalen CRP 100.

Date of valid edition 25-05-2020
No. 2039
Date of first issue 16-10-2006
Page 1 of 2

Name and address of certificate holder

Georg Fischer Wavin Ltd.
 Ebnatstrasse 111
 CH-8201 Schaffhausen
 Switzerland

Conformity marks covered by the certificate



Marks regarding products in contact with drinking water

·DK-VAND· * DS's certification rules of 11 June 2008

Information regarding the certificate holder/manufacture

Contact person Patric Haas	Telephone +41 52 631 3965
	Email patric.haas@georgfischer.com
Manufacturer Georg Fischer Wavin Ltd.	Place of manufacture Industriestrasse 24 CH-4553 Subingen Switzerland

Product covered by the certificate

Type of product Plastics piping systems for water supply and for drainage and sewerage under pressure - Polyethylene (PE)	Standard Normative document EN 12201-3	Specific rules INSTA-CERT SBC EN 12201
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Specification of product

Electrofusion fittings and spigot fittings, PE 100 (specified on page 2)
 1 ($16 \leq d_n < 75$ mm), SDR 11
 2 ($75 \leq d_n < 250$ mm), SDR 11, 17
 3 ($250 \leq d_n < 710$ mm), SDR 11, 17

Approved raw materials are specified in Annex 1 which is confidential.

The certificate holder above is hereby given permission to use the INSTA-CERT mark on or in connection with products, which fulfil the requirements of the standard or the normative document specified above (what is said in this document about INSTA-CERT mark will also be valid for marks defined in relevant SBC). The certificate is valid on the condition that the certificate holder complies with "General rules for certification by partners of INSTA-CERT" (GRC) and the specific rules applying to certification of products of the type mentioned. The certificate holder is obliged to indemnify INSTA-CERT partners of any claim for damages or any other expenses to which partners may become liable as a result of injuries caused by a product manufactured or sold by the certificate holder. This also applies to defective or faulty products.

Unless terminated, the certificate will be automatically extended for one year at a time. The certificate will be re-issued with a new "date of valid edition" only if the content and/or conditions of the certificate have been changed. Termination may take place to the end of a year subject to three months notice on the part of the certificate holder and the certification body. Information on valid certificates is available on INSTA-CERT's homepage, www.insta-cert.net. The certificate is not transferable.

MEMBER OF INSTA-CERT
 DANCERT A/S

Jørgen Baadsgaard-Jensen
 CEO

Date of valid edition
25-05-2020

No.
2039

Date of first issue
16-10-2006

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The table below specifies the approved types and sizes.

Electrofusion fittings and spigot fittings, PE 100	Fitting group	Size group	SDR	Brand
Electrofusion Tee 90°, d90-250	A	2, 3	11	GF, WA
Spigot Tee 90°, d20-225 (SDR 11), d110-225 (SDR 17)	C	1, 2	11, 17	GF, WA
Electrofusion elbow 90°, d90-250	A	2, 3	11	GF, WA
Spigot elbow 90° d20-225 (SDR 11), d110-225 (SDR 17)	C	1, 2	11, 17	GF, WA
Electrofusion elbow, 45° d90-250	A	2, 3	11	GF, WA
Spigot elbow, 45° d20-225 (SDR 11), d110-225 (SDR 17)	C	1, 2	11, 17	GF, WA
Electrofusion reducer, d90-250	A	2, 3	11	GF, WA
Spigot reducer d20-225 (SDR 11), d110-225 (SDR 17)	C	2	11, 17	GF, WA
Spigot endcap d20-225 (SDR 11), d110-225 (SDR 17)	C	1, 2	11, 17	GF, WA
Electrofusion coupler, d20-315	A	1, 2, 3	11	GF, WA
Electrofusion coupler, d160-315	A	2, 3	17	GF, WA

Certificate holder
Georg Fischer Wavin Ltd.
Ebnatstrasse 111
CH-8201 Schaffhausen
Switzerland

The table below specifies the approved raw materials.

Raw material	Size group	SDR	DK-VAND Valid until	Reports
Electrofusion fittings and spigot fittings, PE 100:				DS licence No. 1593 and additional testing
ELTEX TUB 121 ·DK-VAND· *	1, 2, 3	11, 17	06.05.2023	DTI 489679
HOSTALEN CRP 100 ·DK-VAND· *	1, 2, 3	11, 17	06.05.2023	DTI 575669
				DHI 11819080
				DHI 11824564-Ed.2B
				DHI 11824564-Ed.1B

EU DECLARATION OF CONFORMITY (No 20060902)

1. Pressure equipment:

- **FLANGED FITTINGS. Models:** Q, FFK, N, T, FFR, XR, TT, FF, X, XS
- **FLANGE ADAPTORS, COUPLINGS, SADDLES. Models:** AUN, MUN, APZ, MPZ, APE, APA, AQZ, DJ, BPF, BKF, BPE, BFL, BK

2. Name and address of the manufacturer:

BLUCAST, Žirmūnų str. 66, Vilnius, LT-09131, Lithuania

3. This declaration of conformity is issued under the sole responsibility of the manufacturer.

4. Object of the declaration:

- **FLANGED FITTINGS. Models:** Q, FFK, N, T, FFR, XR, TT, FF, X, XS
- **Sizes:** DN40-DN600
- **Max. Working temperature:** +70°C
- **Media:** Water
- **Body material:** ductile iron GJS-500-7
- **PN:** PN10/16, PN10, PN16
- **Coating:** powder epoxy coating, 250 µm thickness, RAL5015 color
- **FLANGE ADAPTORS, COUPLINGS, SADDLES. Models:** AUN, MUN, APZ, MPZ, APE, APA, AQZ, DJ, BPF, BKF, BPE, BFL, BK
- **Sizes:** DN40-DN1400
- **Max. Working temperature:** +70°C
- **Media:** Water
- **Body material:** ductile iron GJS-500-7
- **Gaskets:** EPDM acc. to EN681
- **Bolts, nuts, washers:** 8.8 steel or A2 stainless steel
- **PN:** PN10/16, PN10, PN16
- **Coating:** powder epoxy coating, 250 µm thickness, RAL5015 color

— Conformity assessment procedure followed: **Module A**

5. The object of the declaration described above is in conformity with the relevant Union harmonization legislation: **2014/68/EU**

6. References to the relevant harmonized standards used or references to the other technical specifications in relation to which conformity is declared: **EN-545**

Signed for and on behalf of:

2020-05-27 Vilnius, Lithuania

(place and date of issue):

Declaration is valid until 2022-06-09

BLUCAST UAB
Žirmūnų str. 66
LT-09131 Vilnius
Lithuania

Tel.: 00370 5 2735865
Fax: 0037 5 2735866
Email: info@blucast.eu
www.blucast.eu

ID 302824991
VAT number LT100007083115

BLUCAST®
JOINT STOCK COMPANY
A. Žiupka, export manager
(name, function) (signature)
Žirmūnų str. 66, LT-09131 VILNIUS
VAT No. LT100007083115, ID302824991



Certificate No.
NC-1784

CERTIFICATE

Issued for:



BOHAMET - ARMATURA SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ

Ciele, ul. Kościelna 2
86-005 Białe Błota

Management Systems Certification Bureau of Polski Rejestr Statków S.A., al. gen. Józefa Hallera 126, 80-416 Gdańsk, certifies that the Integrated Management System including the Quality Management System and Environmental Management System of the above organization has been assessed and found to be in accordance with the requirements of:

ISO 9001:2015
ISO 14001:2015

Scope of certification:

DESIGN, PRODUCTION AND ANTI-CORROSIVE PAINTING OF WATER SUPPLY AND SEWAGE SYSTEM FITTINGS (SUCH AS FIRE HYDRANTS, GATE VALVES, UNION PIECES, BOXES AND ENCLOSURES, FITTINGS, MANHOLES, SEWAGE GRATES AND CAST IRON RAINWATER DRAINS) AS WELL AS COLD-BENT SECTIONS MADE FROM STEEL STRIP

Certificate first issue:

27.04.2022

This Certificate cancels and replaces
the Certificate of:

27.04.2022

The Certificate is valid until:

09.02.2024



AC 014



Certification Division Director
Dariusz Denis

Gdańsk, 28.04.2023



www.prs.pl



EC Declaration of Conformity

According to the Pressure Equipment Directive 2014/68/EU, category I, module A

Manufacturer: Georg Fischer Piping Systems Ltd., 8201 Schaffhausen/Switzerland

We herewith confirm that this delivery contains pressure piping components, which are in conformance with the relevant hereafter specified standards and fulfil the Pressure Equipment Directive within the operating limits specified in the standards.

The components are applicable for fluids according to our chemical resistance tables. After their installation, the components may not be put into operation unless conformity with the PED of the entire pressure equipment has been declared.

NOTE: Valves smaller than DN32 and fittings as individual components are excluded from the PED and therefore must not be CE-marked.

Designation of the piping components

Thermoplastic piping, valves made from ABS, PVC-U, PVC-C, PB, PE, PP or PVDF, as marked on the product

Standards in use for materials, pipes and fittings

PB, PE, PP	EN ISO 15494
PVDF	EN ISO 10931
ABS, PVC-C, PVC-U	EN ISO 15493

Standards in use for valves

Butterfly Valves	EN ISO 16136	+GF+Type: 563, 567, 568, 578, 140 to 147, 240 to 244
Ball Valves	EN ISO 16135	+GF+Type: 323-325; 375, 523, 543, 546, 547, 104, 107, 130 to 135, 230 to 235, 167-170; 179 to 188, 285 to 288
Check Valves	EN ISO 16137	+GF+Type: 305, 306, 561, 562, 591, 595, 369
Diaphragm Valves	EN ISO 16138	+GF+Type: 317, 514 to 519, 604, 605, DIASTAR Six, DIASTAR Ten, DIASTAR TenPlus, DIASTAR Sixteen, DIASTAR 025
Globe Valves	EN ISO 21787	+GF+Type: 300
Strainers	ISO 9393-2	+GF+Type: 303-304

Quality management system for all our products and production sites:

EN ISO 9001

Environmental management system for all our production sites:

EN ISO 14001

Instructions for assembly:

are given in our technical literature

Schaffhausen, 2019-04-17


Helmut Hilger
Head of Technology Center


Thomas Küssner
Head of Product Management Valves

EU Konformitätserklärung

gemäss EG-Druckgeräterichtlinie 2014/68/EU, Kategorie I, Modul A

Hersteller: Georg Fischer Rohrleitungssysteme AG, 8201 Schaffhausen/Schweiz

Hiermit bestätigen wir, dass diese Lieferung Bauteile für Druckrohrleitungen enthält, die mit den anschließend aufgeführten relevanten Normen konform sind und die Anforderungen der EG-Druckgeräterichtlinie innerhalb der Betriebsgrenzen der Normen erfüllen.

Die Bauteile sind ausschliesslich einsetzbar für Medien gemäss unserer chemischen Beständigkeitsliste. Nach ihrem Einbau dürfen die Bauteile erst dann in Betrieb genommen werden, wenn die Konformität der Gesamtanlage mit der Druckgeräterichtlinie bestätigt wurde.

ANMERKUNG: Armaturen kleiner als DN32 und Fittings als Einzelteile sind vom Umfang der DGR ausgeschlossen und dürfen nicht mit dem CE- Zeichen gekennzeichnet werden.

Bezeichnung der Rohrleitungsteile

Armaturen aus den thermoplastischen Kunststoffen ABS, PVC-U, PVC-C, PB, PE, PP oder PVDF, wie auf dem Produkt angegeben

Angewandte Normen für Werkstoffe, Rohre und Fittings

PB, PE, PP	EN ISO 15494
PVDF	EN ISO 10931
ABS, PVC-C, PVC-U	EN ISO 15493

Angewandte Normen für Armaturen

Absperrklappen	EN ISO 16136	+GF+Type: 563, 567, 568, 578, 140 to 147, 240 to 244
Kugelhähne	EN ISO 16135	+GF+Type: 323-325; 375, 523, 543, 546, 547, 104, 107, 130 to 135, 230 to 235, 167-170; 179 to 188, 285 to 288
Rückflussverhinderer	EN ISO 16137	+GF+Type: 305, 306, 561, 562, 591, 595, 369
Membranventile	EN ISO 16138	+GF+Type: 317, 514 to 519, 604, 605, DIASTAR Six, DIASTAR Ten, DIASTAR TenPlus, DIASTAR Sixteen, DIASTAR 025
Ventile	EN ISO 21787	+GF+Type: 300
Strainers	ISO 9393-2	+GF+Type: 303-304

Qualitäts-Management und Qualitäts-Sicherung unserer Produkte und Produktionsstätte:

EN ISO 9001

Umwelt-Management unserer Produktionsstätte:

EN ISO 14001

Einbau- und Betriebsanleitungen:

siehe unsere technischen Unterlagen

Schaffhausen, 2019-04-17



Helmut Hilger
Head of Technology Center



Thomas Küssner
Head of Product Management Valves

Declaration de Conformite de la CE.**En accord avec la directive PED 2014/68/EU, catégorie I, module A****Fabricant:** Georg Fischer Piping Systems Ltd., 8201 Schaffhausen/Suisse

Nous confirmons par la présente que cette livraison contient des composants travaillant sous pression, en conformité avec les normes ci-après indiquées et respecte la directive d'équipement sous pression dans les limites de fonctionnement indiquées dans ces normes.

Les composants sont utilisés pour des fluides compatibles avec notre table de résistance chimique. Après leurs installations, les composants ne seront rendus opérationnels que si la conformité avec le PED de l'équipement entier ait été validée.

NOTE: Les vannes et raccords inférieurs au DN32 sont exclues du PED et ne sont donc pas marqués CE.

Liste des composants concernés

Tuyauteries et vannes thermoplastiques fabriqués en ABS, PVC-U, PVC-C, PB, PE, PP ou PVDF, selon marquage sur le produit.

Normes utilisés pour les tuyauteries et raccords

PB, PE, PP EN ISO 15494

PVDF EN ISO 10931

ABS, PVC-C, PVC-U EN ISO 15493

Normes utilisés pour les vannes

Vannes Papillon EN ISO 16136 +GF+Type: 563, 567, 568, 578, 140 to 147, 240 to 244

Vannes à bille EN ISO 16135 +GF+Type: 323-325; 375, 523, 543, 546, 547, 104, 107, 130 to 135, 230 to 235, 167-170; 179 to 188, 285 to 288

Clapets de retenu EN ISO 16137 +GF+Type: 305, 306, 561, 562, 591, 595, 369

Vannes à membrane EN ISO 16138 +GF+Type: 317, 514 to 519, 604, 605, DIASTAR Six, DIASTAR Ten, DIASTAR TenPlus, DIASTAR Sixteen, DIASTAR 025

Globe Valves EN ISO 21787 +GF+Type: 300

Strainers ISO 9393-2 +GF+Type: 303-304

Système de management de la qualité pour tous nos produits et sites de productions:

EN ISO 9001

Système de management environnemental pour tous nos sites de productions:

EN ISO 14001

Instruction pour l'assemblage:

contenu dans notre documentation technique

Schaffhausen, 2019-04-17


Helmut Hilger
Head of Technology Center
Thomas Küssner
Head of Product Management Valves

**EU-conformiteitsverklaring
volgens de Richtlijn Drukapparatuur 2014/68/EU, categorie I, module A**

Fabrikant: Georg Fischer Piping Systems AG, 8201 Schaffhausen / Zwitserland

We bevestigen hierbij dat deze levering componenten voor drukleidingsystemen bevat die voldoen aan de relevante onderstaande normen en aan de vereisten van de EG-Richtlijn Drukapparatuur binnen de in de normen genoemde grenzen.

De componenten mogen alleen worden gebruikt voor vloeistoffen volgens onze chemische bestendighedslijst. Pas na verklaring dat de installatie conform de Richtlijn Drukapparatuur is mag deze in gebruik worden genomen.

OPMERKING: Afsluiters kleiner dan DN32 en fittingen als afzonderlijk onderdeel zijn uitgezonderd van de PED en daarom niet CE-gekeurd.

Benamingen van de drukleidingsystemen

Afsluiters gemaakt van thermoplastische kunststoffen ABS, PVC-U, PVC-C, PB, PE, PP of PVDF, zoals aangegeven op het product.

Toegepaste normen voor materialen, buizen en fittingen

PB, PE, PP	EN ISO 15494
PVDF	EN ISO 10931
ABS, PVC-C, PVC-U	EN ISO 15493

Toegepaste normen voor materialen, buizen en fittingen

Vlinderkleppen	EN ISO 16136	+GF+Type: 563, 567, 568, 578, 140 to 147, 240 to 244
Kogelkranen	EN ISO 16135	+GF+Type: 323-325; 375, 523, 543, 546, 547, 104, 107, 130 to 135, 230 to 235, 167-170; 179 to 188, 285 to 288
Terugslagkleppen	EN ISO 16137	+GF+Type: 305, 306, 561, 562, 591, 595, 369
Membraanafsluiters	EN ISO 16138	+GF+Type: 317, 514 to 519, 604, 605, DIASTAR Six, DIASTAR Ten, DIASTAR TenPlus, DIASTAR Sixteen, DIASTAR 025
Vrijstroomafsluiters	EN ISO 21787	+GF+Type: 300
Vuilvanglers	ISO 9393-2	+GF+Type: 303-304

**Kwaliteitsbeheer en –borging van onze producten
en productiefaciliteiten:**

EN ISO 9001

Milieubeheer van onze productiefaciliteiten:

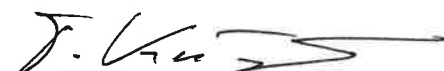
EN ISO 14001

Installatie- en bedieningsinstructies:

zie onze technische documentatie

Schaffhausen, 17. april 2019


Helmut Hilger
Head of Technology Center


Thomas Küssner
Head of Product Management Valves