



POTVRDA O SUKLADNOSTI

Certificate of conformity No.:

br. C/08-01-10/25-AQGE

Proizvod:

Product

aquatherm green pipe PP-R SDR 6 S
(fusiotherm) zelene cijevi i fitinzi SDR 6 i spojni elementi

Proizvođač:

Manufacturer

AQUATHERM GmbH, Germany
Biggen 5, D-57439 Attendorn

Tip:

Model or types

aquatherm green pipe PP-R SDR 6 S
fusiolen PP-R zelene cijevi i fitinzi za instalacije hladne i tople vod
grupa 1: DN 16x2,7 mm, 20x3,4 mm, 25x4,2 mm, 32x5,4 mm,
DN 40x6,7 mm, 50x8,3 mm, 63x10,5 mm;
grupa 2: DN 75x12,5 mm, 90x15 mm, 110x18,3 mm
DN (16 do 110) mm, Klasa/Class: 1/ 10 bar; 2/ 8 bar; 4/10 bar; 5/6 bar; PN20@20 °C

Podnositelj zahtjeva:

Applicant

AQUATHERM GmbH, Germany

Ovlaštena tvrtka:

Authorized company:

ZAVOD ZA ISPITIVANJE KVALITETE d.o.o. Mostar
Sv. Leopolda Mandića 9/I, 88000 Mostar

Tehnički i drugi podaci: *(Technical and other data)*

Opis: **aquatherm green pipe PP-R SDR 6 S**, PP-R (80) fusiolen cijevi su zelene boje. Ove cijevi su namijenjene prvenstveno za instalaciju pitke hladne i tople vode.
Dimenzije: DN= (16 do 110) mm; SDR 6 S (SDR=d/e), S 2,5 serija cijevi (S=(SDR-1)/2) PN20@20 °C
Osnovni sastav: Polipropilen PP-R je vrsta PP random kopolimera.
Način ugradnje: U skladu s tehničkom dokumentacijom po katalogu Or.Nr. E10101 od 04/2015; tehnički katalog iz 2023
aquatherm green pipe- Pipe system made of polypropylene

Dodatak certifikati: *(Add Certifikati)* : DVGW DW-8501AS2120; DVGW DW-8501AU2224; ÖVGW 1.110 ICC ESR 1613 15.05.06.; NSF, LNEC DH 742, 2004 Portugal, EMI Hungary A-2234/2006, IAPMO USA Izvješća o ispitivanju br *Test Report No.* TGM- VA KU 20951, 14.06.2006; TGM-VA KU 22558, 17.03.2009.; 08-01-10/25-AQGE, RINA ITALY TYPE APPROVAL MAC 059524x G/001 04.03.2025./ 03.03.2029.

Zaključak / Conclusion/:

Utvrđeno je da je proizvod **S U K L A D A N** sa zahtjevima sljedećih normi i propisa :

It is certified that the product which features are in conformity to the requirements of the following regulations and standards:

- Pravilnik o zdravstvenoj ispravnosti vode za piće sl.list BiH br. 40/10
- DIN 8077:2007, Polipropilenske cijevi (PP) tipovi PP-H, PP-B, PP-R, PP-RCT – Dimenzije
- DIN 8078:2007, Polipropilenske cijevi (PP) tipovi PP-H, PP-B, PP-R, PP-RCT – Opći zahtjevi kvalitete i ispitivanje
- EN ISO 15874-1,2,3,5:2013;
Plastični cijevni sustavi za toplu i hladnu vodu – Polypropilen (PP), Dio 1- Općenito, Dio 2.:Cijevi
- DIN 16962:2000, Part 5 Cijevni priključci i dijelovi od polipropilena (PP) za cijevi pod tlakom, PP-H 100, PP-B 80 i PP-R 80 - Dio 5: Opći zahtjevi kvalitete, ispitivanja; AENOR Specific Rules RP 01.52
- DVGW W534.:2004; DVGW W544:2007 ,
- DVGW W 270:1999; BGA KTW:1977; ÖNORM B 5014-1:2007; CSA B137.11; ASTM F 2389
- Part C, Chapter I, Appendix 3 of RINA Rules.

Stranica 1 + 4/ Page 1 - 4

Mjesto, datum izdavanja: Mostar, 30.10.2025.

Place and Date of issue

Rok valjanosti : 30.10.2030. god.

Validiti date

ZAVOD
ZA ISPITIVANJE KVALITETE
DRUŠTVO S OGRANIČENOM ODGOVORNOŠĆU
MOSTAR

Direktor:

Signature authorized person:

Mr. sci. Milenko Puce, dipl.ing.



br.certifikata:
4410016430339

Ovaj dokument vrijedi samo za proizvode koji su istovjetni sa ispitanim uzorkom.

Tel.: 036 327 923,

Fax: 036 333 619,

e-mail: info@zik-mo.ba

www.zik-mo.ba



IZVJEŠĆE O ISPITIVANJU

Report about testing No.:

br. 08-01-10/25-AQGE

Proizvod:

aquatherm green pipe PP-R SDR 6 S

Product:

(fusiotherm) fusiolen zelene cijevi i fitinzi SDR 6 S i spojni elementi

Proizvođač:

AQUATHERM GmbH, Germany

Manufacturer:

Biggen 5, D-57439 Attendorn

Tablica br.1./ Table No.1

Poz.	Predmet ispitivanja/ Subject of testing	Norme za ispitne metode/ Standard for test method	Izvještaji o ispitivanju br./ Test Reports No	Potvrde br./ Type examination Certificate registration No.:
1	MFR granulata (230°C / 2,16 kg) Maseni protok granulata/ The melt mass-flow rate ≤0,50 g/10min	EN ISO 1133:2005+AC:2006 ISO 1133:2005+AC:2006, IDT DVGW W544:2007, (DVGW W544:1999);	-Control test reports: 27606/2.2/74867 od 26.01.2007. (SKZ); 27606/2.1/74866 od 26.01.2007. (SKZ); 195506/2.4/74859 od 29.12.2006. (SKZ); 27506/1.1/72620 od 05.07.2006. (SKZ); -KTW- Test Reports: C-1502249-07-Bs/st od 26.04.2007. (WHY); C-143269-06-Sf/Sf od 15.09.2006. (WHY); -Microbiological test report: W 1466-68/2001/G od 06.07.2001 (WHY) -TGM- VA KU 20951, 14.06.2006.test.period: KW41/05-KW24/07 -TGM- VA 22558, 17.03.2009.; Test.period: KW48/08-KW03/09	DVGW DW-8501 AS2120 27.06.2007/14.02.2012/ 07-0062-WNV Datum izdavanja/datum isteka valjanosti <i>Date of issue/date of expire</i> za PP-R cijevi DN16, 20, 25, 32, 40, 50, 63 for PP-R pipes DN16, 20, 25, 32, 40, 50, 63
2	MFR cijevi/ MFR of green pipes Pri 100 (230°C / 2,16 kg) ≤0,50 g/10min	EN ISO 1133:2005+AC:2006 ISO 1133:2005+AC:2006, IDT CEN EN ISO 1873-1:1995 Prema Aneksu B. Tabela B1./ <i>According Annex B.</i> Tabela B1.		
3	MFR razlika masenog protoka granulata i zelene cijevi, tip M/ MFR MFR melt mass flow difference between granulat and green pipe. type M (0,02-0,04) g/10min; 230°C / 2,16 kg Za DN16x2,7mm ; (190°C / 5 kg) MFR granulata 0,46 g/10min MFR cijevi 0,53 g/10min	EN ISO 1133:2005+AC:2006 DIN 8077:2007 Tabela 3. DVGW W544:2007, (DVGW W544:1999); ENISO15874:2013; Tabela 2.DIN 8077:2007 ; DIN 8078:2007 BAS EN ISO 1167-1:2007; BAS EN ISO 1167-2:2007		
4	Srednji vanjski promjer (mm)/ Middle outside diameter(mm)	Zamjenjuje/Replaces BAS EN 921:2002; EN 921:1994+AC:1995, IDT DVGW W544:2007, (DVGW W544:1999); DIN 8078:2007 DVGW W534:2004 ASTM F2389 and CSA B137.11		DVGW DW-8501 AU2224 16.06.2006/25.06.2009/ 04-0445-WNA Datum izdavanja/datum isteka valjanosti <i>Date of issue/date of expire</i> for group 2 za PP-R cijevi DN 75, 90 i 110 for PP-R pipes DN 75, 90 i 110
5	Debljina stijenke (mm) Thickness of wall of pipe(mm)			ÖVGW 1.110 ICC ESR 1613 (acc.to ASTM F2389) 01.04.2009. NSF/ANSI 14 31.07.2007, LNEC DH 742, 2004
6	Otpornost na unutarnji tlak pri: Resistance on inside pressure at temperature(°C) and time (h): 1) 20°C, Vrijeme 1h; 16,0 MPa 2) 95°C, Vrijeme 22h; 4,3 MPa 3) 95°C, Vrijeme 165h; 3,8 MPa 4) 95°C, Vrijeme 1000h; 3,5 MPa 5) 110°C, Vrijeme 8760h; 1,9 MPa			
7	Vanjski vizuelni pregled i pregled označavanja aquatherm zelenih cijevi / Outside visual examination and marking of aquatherm green pipes	RINA ITALY TYPE APPROVAL MAC 059524x G/001 04.03.2025./ 03.03.2029.		
8	Otpornost pri temperaturama/ Resistance at temperature(°C) (10°C÷95°C)			
9	Opći zahtjevi i ispitivanja za zelene fitinge i spojne elemente/ green pipe joints and components of polypropylene/ General quality requirements, testing DN (16 do 110) mm, Klasa 1/ 10 bar; 2/ 8 bar, 4/10 bar; 5/6 bar;	DIN 16962:2000, Part 5, 6,7,8 DVGW W534:2004 ASTM F2389 and CSA B137.11		

Stranica 1 od 4/ Page 1 from 4

IZVJEŠĆE O ISPITIVANJU br. /08-01-10/25-AQGE



br.certifikata:
4410016430339

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www.zik-mo.ba

ISPITNI IZVJEŠTAJI I CERTIFIKATI ZA INSTALACIJE PITKE VODE, GRUPA 1

Inspection report and approval for drinking water installation, group 1:

I STARO OZNAČAVANJE SUSTAVA aquatherm green pipe PP-R SDR 6 S CIJEVI FUSIOLEN PP-R 80, ZELENE BOJE:

AND OLD MARKING (FUSIOTHERM) SYSTEM OF GREEN PIPE FUSIOLEN PP-R 80; GREEN COLOUR:

<i>Inspection report: 27507/1.1/76796 DVGW approval no.: DW-8501 AS2120</i> Aquatherm fusiotherm 16x2,7 mm Art. 10006 fusiolen PP-R DIN 8077/8078 lic. 2437 />>>>>/ DVGW AS 2120 SDR6 NSF pw CSA B137.11 67 °C/10 bar (180f fz 100psi)ψ 1126/92 ÖVGW W 1.110 TW ASTM F 2389 NSF 51 ICC ESR 1613 EN 15874 A S2,5 Class1/10bar/ Class 2/8bar opaque 07.11.06 03:42 Uhrzeit M-3 B057 Made in Germany/ For a safe connection use only original aquatherm fittings!
<i>Inspection report: 27508/1.1/82024 DVGW approval no.: DW-8501 AS2120</i> Aquatherm fusiotherm 20x3,4 mm Art. 10008 fusiolen PP-R DIN 8077/8078 lic. 2437 />>>>>/ DVGW AS 2120 67 °C/10 bar SDR6 CSA B137.11 ASTM F 2389 metric ICC ESR 1613 ψ 1126/92 UNI IIP 353 ÖVGW W 1.110 TW (180f fz 100psi) AENOR-001/317 EN 15874 A S 2,5 Class1/10 2/8bar 4/10bar 5/6 bar LNEC DH 742 opaque 09.02.08.Uhrzeit M-3 B827 Made in Germany/ for a safe connection use only original aquatherm fittings!/
<i>Inspection report: 27509/1.1/86557 DVGW approval no.: DW-8501 AS2120</i> Aquatherm fusiotherm 25x4,2 mm Art. 10010 fusiolen PP-R DIN 8077/8078 W Watermark lic. 2437 />>>>>/ DVGW AS 2120 67°C/10bar SDR6 CSA B137.11 ASTM F 2389 metric ICC ESR 1613 ψ 1126/92 UNI IIP 353 ÖVGW W 1.110 TW (180f fz 100psi) AENOR-001/317 EN 15874 A S 2,5 Class1/10 5/6 bar LNEC DH 742 opaque 11.02.09.Uhrzeit M-4 A638 Made in Germany/ for a safe connection use only original aquatherm fittings!/
<i>Inspection report: 27505/1.1/69279 DVGW approval no.: DW-8501 AS2120</i> Aquatherm fusiotherm 32x 5,4 mm Art. 10012 fusiolen PP-R 80 DIN 8077/8078 DVGW AS 2120 SDR6 (PN20) NSF pw 67°C/10bar (180f fz 100psi)ψ 1126/92 ÖVGW W 1.110 TW 16.02.05. Uhrzeit M-3 A775 Made in Germany/
<i>Inspection report: 27504/2.1/66659 DVGW approval no.: DW-8501 AS2120</i> Aquatherm fusiotherm 40x 6,7 mm Art. 10014 fusiolen PP-R 80 DIN 8077/8078 DVGW AS 2120 SDR6 (PN20) NSF pw 67°C/10bar (180f fz 100psi)ψ 1126/92 ÖVGW W 1.110 TW 02.02.04. Uhrzeit M-3 A775 Made in Germany/
<i>Inspection report: 27506/2.1/74864 DVGW approval no.: DW-8501 AS2120</i> Aquatherm fusiotherm 50x 8,3 mm Art. 10016 fusiolen PP-R DIN 8077/8078 lic. 2437 />>>>>/ DVGW AS 2120 SDR6 (PN20) NSF pw CSA B137.11 67°C/10bar (180f fz 100psi)ψ 1126/92 ÖVGW W 1.110 TW ASTM F 2389 NSF 51 ICC ESR 1613 Uhrzeit M-7 A763 Made in Germany/
<i>Inspection report: 27506/1.1/72620 DVGW approval no.: DW-8501 AS2120</i> Aquatherm fusiotherm 63x 10,5 mm Art. 10018 fusiolen PP-R DIN 8077/8078 lic. 2437 />>>>>/ DVGW AU 2224 SDR6 (PN20) NSF pw CSA B137.11 67°C/10bar (180f fz 100psi)ψ 1126/92 ÖVGW W 1.110 TW ASTM F 2389 NSF 51 ICC ESR 1613 Uhrzeit M-7 A407 Made in Germany/
<i>Inspection report:146607/2.1/79680 DVGW approval no.: DW-8501 AU2224</i> Aquatherm fusiotherm 75x 12,5 mm Art. 10020 fusiolen PP-R DIN 8077/8078 lic. 2437 />>>>>/ DVGW AU 2224 67°C/10bar SDR6 CSA B137.11 ASTM F 2389 metric ICC ESR 1613 ψ 1126/92 ÖVGW W 1.110 TW (180f fz 100psi) AENOR-001/317 EN 15874 A S 2,5 Class1/10 2/8bar 4/10bar 5/6 bar LNEC DH 742 opaque 31.07.07 Uhrzeit M-7B045 Made in Germany/ for a safe connection use only original aquatherm fittings!/



ISPITNI IZVJEŠTAJI I CERTIFIKATI ZA INSTALACIJE PITKE VODE, GRUPA 2

Inspection report and approval for drinking water installation, group 2

I OZNAČAVANJE SUSTAVA aquatherm green pipe PP-R SDR 6 S CIJEVI FUSIOLEN PP-R 80, ZELENE BOJE:

AND MARKING (FUSIOTHERM) SYSTEM OF GREEN PIPE FUSIOLEN PP-R 80; GREEN COLOUR:

Inspection report: 146607/2.1/79680 DVGW approval no.: DW-8501 AU2224
Aquatherm fusiotherm 75x 12,5 mm Art. 10020 fusiofen PP-R DIN 8077/8078 lic. 2437 />>>>/ DVGW AU 2224 67°C/10bar SDR6 CSA B137.11 ASTM F 2389 metric ICC ESR 1613 ψ 1126/92 ÖVGW W 1.110 TW (180f fz 100psi) AENOR-001/317 EN 15874 A S 2,5 Class1/10 2/8bar 4/10bar 5/6 bar LNEC DH 742 opaque 31.07.07 Uhrzeit M-7B045 Made in Germany/ for a safe connection use only original aquatherm fittings!/ Inspection report: 146609/1.1/86583 DVGW approval no.: DW-8501 AU2224
Aquatherm fusiotherm 90x 15 mm Art. 10022 fusiofen PP-R DIN 8077/8078 lic. 2437 W Watermark DVGW AU 2224 67°C/10bar SDR6 CSA B137.11 ASTM F 2389 metric ICC ESR 1613 ψ 1126/92 ÖVGW W 1.110 TW (180f fz 100psi) AENOR-001/317 EN 15874 A S 2,5 Class1/10 2/8bar 4/10bar 5/6 bar LNEC DH 742 opaque 30.01.09 Uhrzeit M-7A638 Made in Germany/ for a safe connection use only original aquatherm fittings!/ Inspection report: 146608/1.1/82033 DVGW approval no.: DW-8501 AU2224
Aquatherm fusiotherm 110x 18,3 mm Art. 10024 fusiofen PP-R DIN 8077/8078 lic. 2437 />>>>/ DVGW AU 2224 67°C/10bar SDR6 CSA B137.11 ASTM F 2389 metric ICC ESR 1613 ψ 1126/92 ÖVGW W 1.110 TW (180f fz 100psi) AENOR-001/317 EN 15874 A S 2,5 Class1/10 2/8bar 4/10bar 5/6 bar LNEC DH 742 opaque 30.08.07 Uhrzeit M-7D161 Made in Germany/ for a safe connection use only original aquatherm fittings!/ (Napomena: za sigurnu uporabu koristiti samo originalne aquathermove spojnice)
Prema katalogu br. E10101, 04/2015 aquatherm green pipe- Pipe system made of polypropylene i dopisa od Aquatherm/ Vokel 09.2012 sve zelene cijevi ovoga tipa SDR 6 su dobile novi brand name <u>aquatherm green pipe</u> SDR 6 S /(stara oznaka: fusiotherm SDR 6) Acc.to catalog Or.Nr. E10101 date 04/2015 aquatherm green pipe- Pipe system made of polypropylene and aquatherm announces change brand names, from 09.2012, all pipes this type SDR 6 have had new marking of green pipe with NEW BRAND NAMES: <u>aquatherm green pipe SDR 6 S</u> , (old : fusiotherm SDR 6)
>> a<< aquatherm green pipe PP-R SDR 6 S (fusiotherm) 16x 2,7 mm Art. Nr. 10006 fusiofen,..... >> a<< Aquatherma logo MARKING acc.to ICC ES ESR 1613
>> a<< aquatherm green pipe SDR 6 S 20x3,4 mm Art. 10008 fusiofen PP-R DIN 8077/8078 W ® WATER LIC. 2437 />>>>/ DVGW KIWA DVGW AS 2120 67 °C/10 bar /50a CSA B137.11 ASTM F 2389 metric ICC ESR 1613 ψ 1126/92 UNI EN ISO15874 MP 353 ÖVGW W 1.110 TW (180f fz 100psi) AENOR-001/824 EN 15874 A S 2,5 Class1/10 2/8bar 4/10bar 5/6 bar LNEC DH 742 opaque N EN ISO 15874 -2 ATEC 14/10-1591 CSTBat -178-1591 (Class 2/6 bar 70 °C i Class 4/10 bar 60 °C (20x3,4 /10008) 17.07.15. 01:04 M-04A 01 107 Made in Germany/ for a safe connection use only original aquatherm fittings!/ Inspection report:
>> a<< aquatherm green pipe SDR 6 S 25x4,2 mm Art. 10008 fusiofen PP-R DIN 8077/8078 W ® WATER LIC. 2437 />>>>/ DVGW KIWA DVGW AS 2120 67 °C/10 bar /50a CSA B137.11 ASTM F 2389 metric ICC ESR 1613 ψ 1126/92 UNI EN ISO15874 MP 353 ÖVGW W 1.110 TW (180f fz 100psi) AENOR-001/824 EN 15874 A S 2,5 Class1/10 2/8bar 4/10bar 5/6 bar LNEC DH 742 opaque N EN ISO 15874 -2 ATEC 14/10-1591 CSTBat -178-1591 (Class 2/6 bar 70 °C i Class 4/10 bar 60 °C (20x3,4 /10008) 30.08.15. 11:44 M-07 A 05528 Made in Germany/ for a safe connection use only original aquatherm fittings!/ Inspection report:
>> a<< aquatherm green pipe SDR 6 S 32x5,4 mm Art. 10008 fusiofen PP-R DIN 8077/8078 W ® WATER LIC. 2437 />>>>/ DVGW KIWA DVGW AS 2120 67 °C/10 bar /50a CSA B137.11 ASTM F 2389 metric ICC ESR 1613 ψ 1126/92 UNI EN ISO15874 MP 353 ÖVGW W 1.110 TW (180f fz 100psi) AENOR-001/824 EN 15874 A S 2,5 Class1/10 2/8bar 4/10bar 5/6 bar LNEC DH 742 opaque N EN ISO 15874 -2 ATEC 14/10-1591 CSTBat -178-1591 (Class 2/6 bar 70 °C i Class 4/10 bar 60 °C (20x3,4 /10008) 25.04.14. 01:33 M-31 GPA 1046 M23 Made in Germany/ for a safe connection use only original aquatherm fittings!/ Inspection report:

Stranica 3 od 4 / Page 3 of 4

IZVJEŠĆE O ISPITIVANJU br. /08-01-10/25-AQGE

Ovaj dokument vrijedi samo za proizvode koji su istovjetni sa ispitanim uzorkom.

This document is valid only for products that is consistent with tested sample



Zaključak:

/ Conclusion/:

Temeljem laboratorijskih izvješća i certifikata prema Tabeli 1. zaključuje se da se može/ može se izdati
Potvrda o sukladnosti br. C/08-01-10/25-AQGE za aquatherm green pipe PP-R SDR 6 S u skladu s
BAS EN ISO/IEC 17050-1:2007, EN ISO 17050-1:2004, IDT Procjena sukladnosti - Deklaracija
sukladnosti od dobavljača – Dio 1. Opći zahtjevi i /On the basis of laboratory report and certificates
according to table 1, concluded that we can to issue / can not to issue Certificate of conformity
No. C/08-01-10/25-AQGE for aquatherm green pipe PP-R SDR 6 S in accordance with BAS EN ISO/IEC
17050-1:2007, EN ISO 17050-1:2004, IDT Estimate of conformity- Declaration about conformity from
supplier Part 1. Common requests, and da je proizvod u skladu sa zahtjevima:

- Pravilnik o zdravstvenoj ispravnosti vode za piće sl.list BiH br. 40/10
- DIN 8077:2007, Polipropilenske cijevi (PP) tipovi PP-H, PP-B, PP-R, PP-RCT – Dimenzije
- DIN 8078:2007, Polipropilenske cijevi (PP) tipovi PP-H, PP-B, PP-R, PP-RCT
- Opći zahtjevi kvalitete i ispitivanje EN ISO 15874-1,2,3,5:2013;
Plastični cijevni sustavi za toplu i hladnu vodu – Polypropilen (PP),
Dio 1- Općenito, Dio 2.:Cijevi
DIN 16962:2000, Part 5 Cijevni priključci i dijelovi od polipropilena (PP) za cijevi pod
tlakom, PP-H 100, PP-B 80 i PP-R 80 - Dio 5: Opći zahtjevi kvalitete, ispitivanja;
- DVGW W534:2004; DVGW W544:2007, (DVGW W544:1999);
- DVGW W 270:1999; BGA KTW:1977; ÖNORM B 5014-1:2007;
- CSA B137.11; ASTM F 2389, AENOR Specific Rules RP 01.52
- Part C, Chapter 1, Appendix 3 of RINA Rules.

Izveštaj sačinio: Paula Franjić, dipl.ing.

Signature project manager

Stranica 4 od 4/ Page 4 from 4

IZVJEŠĆE O ISPITIVANJU br. /08-01-10/25-AQGE

Mjesto, datum izdavanja: Mostar, 30.10.2025.

Place and Date of issue

Rok valjanosti : 30.10.2030. god.

Validity date

ZAVOD
ZA ISPITIVANJE KVALITETE
DRUŠTVO S OGRANIČENOM ODGOVORNOŠĆU
MOSTAR

Direktor:

Signature authorized person

Mr.sci. Milenko Puce, dipl.ing.

Ovaj dokument vrijedi samo za proizvode koji su istovjetni sa ispitanim uzorkom.

This document is valid only for products that is consistent with tested sample



POTVRDA O SUKLADNOSTI

Certificate of conformity No.:

br. C/08-02-10/25-AQGE

Proizvod: Product :	aquatherm green pipe PP-R SDR 7,4 MF PP-R / PP-R GF/PP-R (DN 20 do DN 355) mm, tip SDR 7,4 MF
Proizvođač: Manufacturer:	AQUATHERM GmbH , Germany Biggen 5, D-57439 Attendorn
Tip: Models or types:	aquatherm green pipe PP-R SDR 7,4 MF PP-R / PP-R GF/PP-R fusiolen zelene cijevi dimenzija 20x2,8 mm; 25x3,5 mm; 32x4,4 mm; 40x5,5 mm; 50x6,9 mm; 63x8,6 mm; 75x10,3 mm; 90x12,3 mm; 110x15,1 mm; 125 x 17,1 mm 160x21,9 mm; 200x27,4 mm; 250x34,2 mm; 315x 42,6 mm; 355 x 48 mm Class 1/8 bar; 2/6 bar; class 4/10 bar; 5/6 bar (DN15 do DN250); PN16@ 20 °C
Podnositelj zahtjeva: Applicant:	AQUATHERM GmbH , Germany
Ovlaštena tvrtka: Authorized company:	ZAVOD ZA ISPITIVANJE KVALITETE d.o.o. Mostar Sv. Leopolda Mandića 9/I, 88000 Mostar
Tehnički i drugi podaci: (Technical and other data)	
Opis :	aquatherm green pipe PP-R SDR 7,4 MF PP-R / PP-R GF/PP-R fusiolen green pipe cijevi, zelene su boje s 4 tamno zelene trake po cijeloj duljini. Faser kompozitne zelene cijevi namijenjene su za grijanje i instalaciju hladne i tople vode. Fiber glass content 8% / fiber glass content of the middle layer 18%. Class 1/8 bar; 2/6 bar; class 4/10 bar; 5/6 bar (DN15 do DN250); PN16@ 20 °C
Dimenzije:	DN= (20 do 250)mm; SDR 7,4 MF (SDR=d/e), S3,2 serija cijevi (S=(SDR-1)/2)
Osnovni sastav:	Polipropilen PP R je vrsta PP random kopolimera sa specijalnom kristalnom strukturom.
Način ugradnje:	Isključivo prema uputama proizvođača koje moraju biti usklađene u svim detaljima sa tehničkom dokumentacijom tvrtke Aquatherm po katalogu Or.Nr. E10101 04/2015 aquatherm green pipe- Pipe system made of polypropylene, tehnički katalog 2023. godine.

Dodatak certifikatu i: Add Certificate and: SKZ A314/2000 Wurzburg, ÖVGW W 1.382, IAPMO ; LNEC DH 753-Portugal Izvješću o ispitivanju br. Test reports No. 08-02-10/25-AQGE; SKZ 37622/1999 od 18.08.2000, NSF/ANSI 14, NSF/ANSI 61, SWEDCERTIFICAT TG NR.:0924 11.2009, Ave Technique ATEC 14/11-1695 V1 21.03.2012 CST Bat -178-1695 16.01.2012. DNV -GL - 86069 -96 HH OD 07.09.15./ 05.08.20. AENOR NR.: 006088 10.12./16 RINA ITALY TYPE APPROVAL MAC 156215 X G/00209.2015/09.20. ITB-KOT-2019/ 1053 od 27.08.2019, Waršava. RINA ITALY TYPE APPROVAL MAC 059524x G/002 04.03.2025./ 03.03.2029.

Zaključak / Conclusion/:

Utvrđeno je da je proizvod **S U K L A D A N** sa zahtjevima sljedećih normi i propisa :

It is certified that the product characteristics are in conformity to the requirements of the following regulations and standards

- Zakon o tehničkim zahtjevima za proizvode i ocjenu usklađenosti 45/04
- DIN 8077:2007, Polipropilenske cijevi (PP) tipovi PP-H, PP-B, PP-R, PP-RCT - Dimenzije
- DIN 8078:2007, Polipropilenske cijevi (PP) tipovi PP-H, PP-B, PP-R, PP-RCT -
- DIN 16962:2000, Part 5 Cijevni priključci i dijelovi od polipropilena (PP) za cijevi pod tlakom, PP-H 100, PP-B 80 i PP-R 80 - Dio 5: Opći zahtjevi kvalitete, ispitivanja: DIN 16962:2000; PART 6.7.8
- DVGW W534:2004; (replaced DVGW W534:1995); CSA B 137.11; ASTM F 2389
- SKZ HR 3.28:2007; DIN 16887:1990, EN-15874-1, 3: 2013 ,
- AENOR Specific Rules AL RP 01.72, Part C, Chapter 1, Appendix 3 of RINA Rules,
- BAS EN ISO 21003-2:2010, EN ISO 21003-2:2008

Stranica 1 +3/ Page 1 -3

Mjesto, datum izdavanja: Mostar, 30.10.2025.

Place and Date of issue

Rok valjanosti : 30.10.2030. god.

Valid date:



ZAVOD
ZA ISPITIVANJE KVALITETE
DRUŠTVO S OGRANIČENOM ODGOVORNOSTI
MOSTAR

Direktor:

Signature authorized person:

Mr. sci. Milenko Puca, dipl.ing.



IZVJEŠĆE O ISPITIVANJU

Report about testing No.:

br. /08-02-10/25-AQGE

Proizvod:

Product

Proizvođač:

Manufacturer:

aquatherm green pipe PP-R SDR 7,4 MF

PP-R / PP-R GF/PP-R (DN 20 do DN 355) mm, tip SDR 7,4

AQUATHERM GmbH, Germany

Biggen 5, D-57439 Attendorn

Tablica br.1./ Table No.1.

Poz.	Predmet ispitivanja/ Subject of testing	Norme za ispitne metode/ Standard for test methods	Izvjestaji o ispitivanju br./ Report about testing	Potvrde o sukladnosti/ Certificate of conformity No.
1	MFR granulata (230°C / 2,16 kg) <i>za/for</i> DN20x2,8mm; DN25x3,5mm; DN32x4,4mm; DN40x5,5mm; DN75x10,3mm; DN 90x12,3mm <i>melt mass flow</i> ≤0,50 g/10min	EN ISO 1133:2005+AC:2006 ISO 1133:2005+AC:2006, IDT DVGW W544:2007 , (DVGW W544:1999);	<i>za/for</i> DN20x2,8mm; DN25x3,5mm; DN32x4,4mm; DN40x5,5mm; DN75x10,3mm; DN 90x12,3mm SKZ Ispitni izvještaji: 37622/1999 od 18.08.2000. 23 pag.eng.+23 germ v.;	Zahtjevi za ispitivanje i kontrolu su prema HR 3.28:2007 Certifikat od SKZ br. A314 LNEC DH 753- Portugal 04.2004. ; LNEC DH 753- Portugal <i>Izvjestaju o ispitivanju</i> <i>br./ Test reports</i> <i>No./ 08-02-10/25-</i> <i>AQGE; SKZ</i> <i>37622/1999 od</i> <i>18.08.2000,</i> NSF/ANSI 14, NSF/ANSI 61, SWEDCERTIFICAT TG NR.:0924 11.2009, Ave Tehniqe ATEC 14/11-1695 V1 21.03.2012 CST Bat -178-1695 16.01.2012. DNV - GL – 86069 -96 HH OD 07.09.15./ 05.08.20. AENOR NR.: 006088 10.12./16 RINA ITALY TYPE APPROVAL MAC 156215 X G/00209.2015/09.20. ITB-KOT-2019/ 1053 od 27.08.2019, Varšava
2	MFR granulata (190°C / 5 kg) <i>za/for</i> DN 50x6,9mm, DN 63x8,6mm; DN 110x15,1mm; <i>melt mass flow</i> ≤0,80 g/10min	EN ISO 1133:2005+AC:2006 ISO 1133:2005+AC:2006, IDT	289408/W1.1/84522 od 11.12.2008 289409/1.1/86699 od 27.07.2009 289407/2.1/79719 od 31.03.2008 289407/W1.1/79736 od 05.02.2008 290209/1.1/86705 od 13.07.2009 290208/1.1/82061 od 21.07.2008	
4	Srednji vanjski promjer (mm)/ <i>Midly outside diameter</i>	CEN EN ISO 1873-1:1995 Prema Annex B. Tabela B1. EN ISO 1133:2005+AC:2006		
5	Debljina stijenke (mm) <i>Thickness of wall of green pipe</i>	DIN 8077:2007 Tabela 3. DVGW W544:2007 , (DVGW W544:1999);		
6	Otpornost na unutarnji tlak pri: <i>Resistance on inside pressure at</i> <i>temperature(°C) and time (h):</i> 110°C, Vrijeme >8760 h; 6,0 bar 95°C, Vrijeme >1000 h; 11,5 bar 20°C, Vrijeme > 1h; 51,0 bar	Tabela 2.DIN 8077:2007 ; DIN 8078:2007	<i>za/for</i> DN 50x6,9mm, DN 63x8,6mm; DN 110x15,1mm SKZ Ispitni izvještaji: 37622/1999 od 18.08.2000. 23 pag.eng.+23 germ v.;	
7	Vanjski vizuelni pregled i pregled označavanja zelenih cijevi / <i>Outside visual examination and</i> <i>marking of green pipes</i>	BAS EN ISO 1167-1:2007; BAS EN ISO 1167-2:2007 Zamjenjuje:/Replaced BAS EN 921:2002; EN 921:1994+AC:1995, IDT DVGW W544:2007 , (DVGW W544:1999);	289406/1.1/72675 od 18.08.2006 289405/1.1/69323 od 11.07.2005 290205/1.1/69324 od 11.07.2005 Napomena : svi ispitni izvještaji imaju 3 str. (engleska verzija) + 3 str. (njemačka verzija) AENOR No.: 001/5813, 2014/2019 for aquatherm green pipe fittings for PP-R pipes for cold and hot water install. Class 1/10 bar; Class 2/8 bar; 4/10 bar, 5/8 bar.	
8.	Otpornost pri temperaturama/ <i>Resistance at temperature(°C):</i> (10°C÷95°C)	DIN 8078:2007 DVGW W534:2004 DIN 16887:1990		
9	Opći zahtjevi i ispitivanja za fitinge i spojne elemente/ <i>green pipe joints</i> <i>and components of polypropylene/</i> <i>General quality requirements, testing</i>	DIN 16962:2000 , Part 5,6, 7, 8 DVGW W534:2004		
10.	The requirements according to the test and control specifications HR 3.28:2007 of SKZ mark No. A 314, AENOR NR.: 006088 maksimalni dozvoljeni radni tlak na 20 C, Class 1/8 bar, 2/6 bar, class 4/10 bar, 5/6 bar (DN 15 do DN 250) PN 16 @ 20 C- Spec.Rules A1 RP 01.72 Fiber glass content 8% fiber glass /contents of the middle layer 18 %		RINA ITALY TYPE APPROVAL MAC 059524x G/002 04.03.2025./ 03.03.2029	



Stranica 1 od 3/ Page 1 from 3

IZVJEŠĆE O ISPITIVANJU br. /08-02-10/25-AQGE



Stari ispitni izvještaji i označavanje (FUSIOTHERM) aquatherm green pipe SDR7,4 MF

PP-R80 /PP-R- 80 GF/PP-R 80:

Old Inspection report and marking (FUSIOTHERM) system of aquatherm green pipe SDR 7,4 MF

PP-R80 /PP-R- 80 GF/PP-R 80

Inspection report: 289408/W1.1/84522 SKZ mark no. A 314

aquatherm green pipe SDR7,4 MF (fusiotherm –Faserverbund Rohr) 20x2,8 mm Art.nr. 70708 fusiolen PP-R80 /PP-R-80 GF/PP-R 80SDR7,4 CSA B137.11 ASTM F 2389 metric SKZ A 314 (180F FZ 100PSI) ÖVGW W 1.382 MP52-430 / LNEC DH 753 03.03.08. Uhrzeit M-10 B827 Made in Germany

/ For a safe connection use only original aquatherm fittings!

Inspection report: 289409/1.1/86699 SKZ mark no. A 314

aquatherm green pipe SDR7,4 MF (fusiotherm –Faserverbund Rohr) 25x3,5 mm Art.nr. 70710 fusiolen PP-R80 /PP-R-80 GF/PP-R 80 SDR7,4 CSA B137.11 ASTM F 2389 metric SKZ A 314 (180F FZ 100PSI) ÖVGW W 1.382 lic. 2574 />>>>>/ MP52-430 LNEC DH 753 14.02.09. Uhrzeit M-33 A 638 Made in German

/ For a safe connection use only original aquatherm fittings!

Inspection report: 289407/2.1/79719 SKZ mark no. A 314

aquatherm green pipe SDR7,4 MF (fusiotherm –Faserverbund Rohr) 32x4,4 mm Art.nr. 70712 fusiolen PP-R80 /PP-R-80 GF/PP-R 80 SDR7,4 CSA B137.11 ASTM F 2389 metric SKZ A 314 (180F FZ 100PSI) ÖVGW W 1.382 lic. 2574 />>>>>/ LNEC DH 753 04.09.07. Uhrzeit M-31 G746 Made in Germany

/ For a safe connection use only original aquatherm fittings!

Inspection report: 289407/W1.1/79736 SKZ mark no. A 314

Novi ispitni izvještaji i označavanje (FUSIOTHERM) aquatherm green pipe SDR7,4 MF

PP-R/PP-R- GF/PP-R : /New Inspection report and marking (FUSIOTHERM) system of aquatherm green pipe SDR 7,4 MF PP-R/PP-R-GF/PP-R

Inspection report: DNV -GL – 86069 -96 HH OD 07.09.15./ 05.08.20. SKZ A 314 ATEC 14/11-1695 V1 CST Bat -178-1695 AENOR No.: 0066088 maksimalni dozvoljeni radni pritisak PN16 na 20 C, Class 1/8 bar, 2/6 bar, class 4/10 bar, 5/6 bar, (DN15 do DN 250) , PN16 @ 20 C- Spec.Rules, AL RP 01.72.

Napomena: Boja cijevi je zelena sa četiri tamnozele trake c ijelom duljinom/ Notes: Color of the pipes : green with four dark green length stripes.

Prema katalogu br. E10101, 04/2015 aquatherm green pipe- Pipe system made of polypropylene i dopisa od Aquatherm/ Vokel 09.2012 sve zelene cijevi ovoga tipa SDR 6 su dobile novi brand name aquatherm green pipe SDR 7,4 MF /(stara oznaka: fusiotherm SDR 7,4)

Acc.to catalog Or.Nr. E10101 date 04/2015 aquatherm green pipe- Pipe system made of polypropylene and aquatherm announces change brand names, from 09.2012, all pipes this type SDR 7,4 have had new marking of green pipe with NEW BRAND NAMES:

aquatherm green pipe SDR7,4 MF, (old : fusiotherm faser composite pipes SDR 7,4.)

>> a<< aquatherm green pipe PP-R SDR7,4 MF (fusiotherm) 16x 2,7 mm Art. Nr. 10006 fusiolen,..... >> a<< Aquatherma logo MARKING acc.to ICC ES ESR 1613

>> a<< **aquatherm green pipe SDR7,4 MF** 20x2,8 mm Art. 70708 fusiolen PP-R /PP-R- GF/PP-R W ® WATER LIC. 2437 />>>>>/ CSA B137.11 ASTM F 2389 metric SKZ A 314 ÖVGW W 1.382 AENOR-001/823 Class 2/6 bar i Class 4/10 bar SWEDCERTIFICAT TG NR.:0924 ATEC ATEC 14/11-1695 V1 CST Bat -178-1695 (Class 2/6 bar 70 °C i Class 4/10 bar 60 °C) ISO 21003 2/6 bar (20x2,8 mm / 70708) 09.10.15. 04:36 M-10 D 06962 Made in Germany/ for a safe connection use only original aquatherm fittings! /Δ PP-GF >> a<<

>> a<< **aquatherm green pipe SDR7,4 MF** 25x3,5 mm Art. 70710 fusiolen PP-R /PP-R- GF/PP-R W ® WATER LIC. 2437 />>>>>/ CSA B137.11 ASTM F 2389 metric SKZ A 314 ÖVGW W 1.382 AENOR-001/823 Class 2/6 bar i Class 4/10 bar SWEDCERTIFICAT TG NR.:0924 ATEC ATEC 14/11-1695 V1 CST Bat -178-1695 (Class 2/6 bar 70 °C i Class 4/10 bar 60 °C) ISO 21003 2/6 bar (25x3,5 mm / 70710) 09.10.15. 04:30 M-33 D 06962 Made in Germany/ for a safe connection use only original aquatherm fittings! /Δ PP-GF >> a<<

>> a<< **aquatherm green pipe SDR7,4 MF** 32x4,4 mm Art. 70712 fusiolen PP-R /PP-R- GF/PP-R W ® WATER LIC. 2437 />>>>>/ CSA B137.11 ASTM F 2389 metric SKZ A 314 ÖVGW W 1.382 AENOR-001/823 Class 2/6 bar i Class 4/10 bar SWEDCERTIFICAT TG NR.:0924 ATEC ATEC 14/11-1695 V1 CST Bat -178-1695 (Class 2/6 bar 70 °C i Class 4/10 bar 60 °C) ISO 21003 2/6 bar (32x4,4 mm / 70712) 03.02.15. 13:45 M-33 D 80201 Made in Germany/ for a safe connection use only original aquatherm fittings! /Δ PP-GF >> a<<



Zaključak:

/ Conclusion/

Temeljem laboratorijskih izvješća i certifikata prema Tabeli 1. zaključuje se da se može izdati Potvrda o sukladnosti br. C/08-02-10/25-AQGE za aquatherm green pipe PP-R SDR 7,4 MF u skladu s BAS EN ISO/IEC 17050-1:2007, EN ISO 17050-1:2004, IDT Procjena sukladnosti - Deklaracija sukladnosti od dobavljača – Dio 1. Opći zahtjevi i zahtjeva/ On the basis of laboratory report and certificates according to table 1, concluded that we can to issue / can not to issue Certificate of conformity No. C/08-02-10/25-AQGE for aquatherm green pipe PP-R SDR 7,4 MF in accordance with BAS EN ISO/IEC 17050-1:2007, EN ISO 17050-1:2004 IDT Estimate of conformity- Declaration about conformity from supplier. Part 1, Common requests and tests.

- Zakon o tehničkim zahtjevima za proizvode i ocjenu usklađenosti 45/04
- DIN 8077:2007, Polipropilenske cijevi (PP) tipovi PP-H, PP-B, PP-R, PP-RCT - Dimenzije
- DIN 8078:2007, Polipropilenske cijevi (PP) tipovi PP-H, PP-B, PP-R, PP-RCT –
- DIN 16962:2000, Part 5 Cijevni priključci i dijelovi od polipropilena (PP) za cijevi pod tlakom, PP-H 100, PP-B 80 i PP-R 80 - Dio 5: Opći zahtjevi kvalitete, ispitivanja; DIN 16962:2000; PART 6, 7, 8
- DVGW W534.:2004; (replaced DVGW W534.:1995); CSA B 137.11; ASTM F 2389
- SKZ HR 3.28:2007; DIN 16887:1990, EN-15874-1, 3: 2013 ,
- AENOR Specific Rules AL RP 01.72, Part C, Chapter 1, Appendix 3 of RINA Rules,
- BAS EN ISO 21003-2:2010, EN ISO 21003-2:2008

Izvještaj sačinio: Paula Franjić, dipl.ing.

Signature project manager
Stranica 3 od 3/ Page 3 from 3

IZVJEŠĆE O ISPITIVANJU br. /08-02-10/25-AQGE

Mjesto, datum izdavanja: Mostar, 30.10.2025.

Place and Date of issue

Rok valjanosti : 30.10.2030. god.

Validity date

ZAVOD
Za ispitivanje kvalitete
DRUŠTVO S OGRANIČENOM ODGOVORNOSTI
MOSTAR

Direktor:

Signature authorized person


Mr. sci. Milenko Puče, dipl.ing.



POTVRDA O SUKLADNOSTI

(Certificate of conformity No.:

br. C/08-03-10/25-AQGE

Proizvod: aquatherm blue pipes SDR 7,4 MF/SDR 11 MF
Product: PP-R ili PP-R GF za PP-R koji je pojačan staklenim vlaknima

Proizvođač: AQUATHERM GmbH, Germany
Manufacturer: Biggen 5, D-57439 Attendorn

Tip: aquatherm blue pipes SDR 7,4 MF/SDR 11 MF
Models or types: PP-R ili PP-R GF za PP-R koji je pojačan staklenim vlaknima
20x2,8 mm; 25x3,5 mm; SDR 7,4 MF, PN 16@ 20 °C
32x2,9 mm; 40x3,7 mm; 50x4,6 mm, 63x5,8 mm; SDR 11 MF
75x6,8 mm; 90x8,2 mm; 110x10,0 mm; SDR 11 MF, PN 10@ 20 °C
125x11,4 mm; 160x14,6 mm; 200x18,2 mm; 250x22,7 mm. SDR 11 MF

Podnositelj zahtjeva: AQUATHERM GmbH, Germany
Applicant:

Ovlaštena tvrtka: ZAVOD ZA ISPITIVANJE KVALITETE d.o.o. Mostar
Authorized company: Sv. Leopolda Mandića 9/I, 88000 Mostar

Tehnički i drugi podaci: (Technical and other data):
Color of the pipes: aquatherm blue pipes SDR 7,4 MF/SDR 11 MF PP-R fusiolen is blue with four green length stripes.
Field of application are products of water supply and for HVAC R Tehnology. Katalog E10050, 01.2015 i tehnički katalog za plave cijevi E 10050 aquatherm blue pipes od 08.2020.godine.

Add Certifikati: No:1. UA1.107.0005618-05 od 08.12.2005/ 20.01.2008. od DRŽAVNOG KOMITETA UKRAJINE PO PITANJIMA TEHNIČKE REGULATIVE –DRŽAVNI SISTEM CERTIFIKACIJE, KIJEV,UKRAJINA;2. APROBATA TECHNICZNA No.: AT/2006-02-1566 WARSZAWA, POLSKA. 3. LINEX PORTUGAL DOCUMENTO DE HOMOLOGACAO DH 747; 4. NON PROFIT COMPANY FOR QUALITY CONTROL AND INNOV. IN BUILDING; EME HUNGARY: A.854/1999, NEW CERT. UE: A-2234/2006 5.NSF/ANSI STANDARD 14 od 31.07.2007 for Fittings; 6. ICC-ES Evaluation Report No. ESR-1613 od 01.04.2009 / 01.04.2011, AENOR MADRID No.: 001/006087 02.12.13./ 11.4.17.; 7. IAMPO M-0622/04.09.-04.10. for fittings DNV- GL 86069-96 HH od 07.09.15. /05.08.20.

RINA ITALY TYPE APPROVAL MAC 059524x G/003 04.03.2025./ 03.03.2029.
Izvešću o ispitivanju br/ Report about testing No.: 03-08-10/25-AQGE from ZIK d.o.o. Mostar.

Zaključak / Conclusion/:

Utvrđeno je da je proizvod **S U K L A D A N** sa zahtjevima sljedećih normi i propisa / *It is certified that the product characteristics are in conformity to the requirements of the following regulations and standards:*

- EN ISO 15874-2:2005; EN 728:1999; EN 743:1996;
- BAS EN ISO 1167-1:2007; BAS EN ISO 1167-2:2007,
- EN ISO 1183:2004; ISO 10508: 2006 ,
- EN ISO 1133:2005+AC:2006, ISO 1133:2005+AC:2006, IDT
- BAS EN ISO 3126:2007; EN ISO 3126:2005 IDT; BAS EN ISO 7686:2007; EN ISO 7686:2005 IDT
- ASTM F 2389, CSA B 137.11, NSF/ANSI 14, SKZ HR 3.28 : 2008,
- AENOR Specific Rules AL RP 01.72. Part C, Chapter 1., Appendix 3. of RINA Rules,
- BAS EN ISO 21003-2:2010; EN ISO 21003-2: 2008.

Stranica 1 +4/ Page 1add 4

Mjesto, datum izdavanja: Mostar, 30.10.2025.

Place and Date of issue

Rok valjanosti : 30.10.2030. god.

Validiti date

ZAVOD
ZA ISPITIVANJE KVALITETE
ORUŠTVO S OGRANIČENOM ODGOVORNOSTI
MOSTAR

Direktor:
Signature authorized person:

Mr.sci. Milenko Puce, dipl. ing.





IZVJEŠĆE O ISPITIVANJU

Report about testing No.:

br. 08-03-10/25-AQGE

Proizvod:

Product:

aquatherm blue pipe SDR 7,4 MF/ SDR 11 MF PP-R GF
PP-R ili PP-R GF za PP-R koji je pojačan staklenim vlaknima
(20, 25) mm; SDR 7,4 MF, S 3,2 series of pipes, PN 16@ 20 °C
(32 do 450) mm; SDR 11 MF, S 5 series of pipes, PN 10@ 20 °C
Application class/ design pressure 1/8 bar; 2/6 bar; 4/10 bar; 5/& bar,
For (32 to 355) mm, SDR 11 MF; for (20, 25) mm , SDR 7,4 MF.

Proizvođač:

Manufacturer:

AQUATHERM GmbH , Germany

Tablica br.1. za Europu/ Table No.1 for Europe

Poz.	Predmet ispitivanja/ <i>Subject of testing</i>	Norme za ispitne metode/ <i>Standard for test method</i>	Izveštaji o ispitivanju br./ <i>Report about testing and</i> Potvrde o sukladnosti/ <i>Certificate of conformity No.:</i>
1	MFR granulata / <i>MFR granulat</i> pri / <i>at</i> (230°C / 2,16 kg) g/10min	EN ISO 1133:2005+AC:2006 ISO 1133:2005+AC:2006, IDT	1. UA1.107.0005618-05 od 08.12.2005/ 20.01.2008. od DRŽAVNOG KOMITETA UKRAJINE PO PITANJIMA TEHNIČKE REGULATIVE –DRŽAVNI SISTEM CERTIFIKACIJE, KIJEV, UKRAJINA;
2	MFR cijevi/ <i>MFR of pipes</i> Pri / <i>at</i> (230°C / 2,16 kg) (0,2-0,5) g/10min	EN ISO 1183:2004 BAS EN ISO 3126:2007 ; EN ISO 3126:2005 IDT	2. APROBATA TECHNICZNA No.: AT/2006-02-1566, 10 pages, PL 02-656 WARSZAWA , POLAND
4	Srednji vanjski promjer (mm)/ <i>Middle outside diameter</i>	BAS EN ISO 1167-1:2007; BAS EN ISO 1167-2:2007, Zamjenjuje./ <i>Replaced/</i> ; BAS EN 921:2002; EN 921:1994+AC:1995, IDT	3. DOCUMENTO DE HOMOLOGACAO LNEC DH 747 ; 2 pages.
5	Debljina stijenke (mm) <i>Thickness of wall of pipe</i>		
6	Otpornost na unutarnji tlak pri: <i>Resistance on inside pressure at</i> <i>temperature(°C) and time (h):</i> 1) 16 MPa; t=20°C , τ= 1h; 2) 3,8 MPa; t=95°C , τ= 165h; 3) 3,5 MPa; t=95°C , τ= 1000h;	EN 743:1996; EN ISO 15874-2:2005;	4. EMI HUNGARY NON PROFIT COMPANY FOR QUALITY CONTROL AND INNOVATION IN BUILDING; EME: A.854/1999 , NEW CERT. UE: A-2234/2006
7	Vanjski vizuelni pregled i pregled označavanja plavih cijevi / <i>Outside</i> <i>visual examination and marking of</i> <i>blue pipes</i>	EN 728:1999 ISO 10508: 2006 (replaced ISO 10508: 1995)	
8.	Otpornost pri temperaturama/ <i>Resistance at temperature(°C):</i> (10°C÷95°C)	BAS EN ISO 7686:2007 ; EN ISO 7686:2005 IDT	

Stranica 1 od 4/ Page 1 from 4.





IZVJEŠĆE O ISPITIVANJU

Report about testing No.:

br. 08-03-10/25-AQGE

Proizvod:

Product:

aquatherm blue pipe SDR 7,4 MF/ SDR 11 MF PP-R GF
 PP-R ili PP-R GF za PP-R koji je pojačan staklenim vlaknima
 (20, 25) mm; SDR 7,4 MF, S 3,2 series of pipes, PN 16@ 20 °C
 (32 do 450) mm; SDR 11 MF, S 5 series of pipes, PN 10@ 20 °C
 Application class/ design pressure 1/8 bar; 2/6 bar; 4/10 bar; 5/& bar,
 For (32 to 355) mm, SDR 11 MF; for (20, 25) mm , SDR 7,4 MF.

Proizvođač:

AQUATHERM GmbH, Germany

Manufacturer:

Tablica br.2. za USA / Table No.2 for USA

Poz.	Predmet ispitivanja/ Subject of testing	Norme za ispitne metode/ Standard for test metod	Izveštaji o ispitivanju br./ Report about testing and Potvrde o sukladnosti/ Certificate of conformity No.:
1	MFR granulata / MFR granulat pri / at (230°C / 2,16 kg) g/10min	ASTM F 2389 CSI B 137.11 ANSI 61 ANSI 51 ANSI 14	5. NSF /ANSI STANDARD 14 od 31.07.2007 , 10 pages for Fittings;
2	MFR cijevi/ MFR of pipes Pri /at (230°C / 2,16 kg) g/10min		6. ICC-ES Evaluation Report No. ESR-1613 , 2. pages od 01.04.2009 / 01.04.2011
4	Srednji vanjski promjer (mm)/ Middle outside diameter		7.NSF International recognizes AQUATHERM GMBH GERMANY AS COMPLYING WITH NSF/ANSI 14 Od 25.04.2003 , No.:#03850-01 AS COMPLYING WITH NSF/ANSI 61 Od 17.09.2007 Certificate No.: #03850-02
5	Debljina stijenke (mm) Thickness of wall of pipe		
6	Otpornost na unutarnji tlak pri: Resistance on inside pressure at temperature(°C) and time (h): 1) 16 MPa; t=20°C , τ= 1h; 2) 3,8 MPa; t=95°C , τ= 165h; 3) 3,5 MPa; t=95°C , τ= 1000h;		
7	Vanjski vizuelni pregled i pregled označavanja cijevi / Outside visual examination and marking of pipes		8.NSF International recognizes AQUATHERM KUNSTSTOFF EXTRUSIONS – UND SPRITZGIEßTECHNIK GERMANY AS COMPLYING WITH NSF/ANSI 51 Od 15.08.2005 No.: # 2X600-01
8.	Otpornost pri temperaturama/ Resistance at temperature(°C) (10°C÷95°C)		
9.	Pipe joints and components of polypropylene/ General quality requirements, testing	ASTM F 2389 CSI B 137.11	RINA ITALY TYPE APPROVAL MAC 059524x G/003 04.03.2025./ 03.03.2029.
10.	Remarking of pipes	BAS EN ISO 21003- 2:2010; EN ISO 21003-2: 2008. For (32 mm to 355 mm SDR 11 series 5.	DNV- GL 86069-96 HH od 07.09.15. /05.08.20. 10. Tehnolog. Katalog E10050, 01.2015 i tehnički katalog za plave cijevi E 10050 od 08.2020.godine.

Stranica 2 od 4 / Page 2 from 4



The piping must be marked every 5 feet (1524 mm) with following, Examples of marking aquatherm blue pipes: aquatherm blue pipe (old climatherm) faser verbundrohr 20x 2,8 mm Art. 2070708 PP-R 80/ PP-R – 80 GF / PP- R 80 SDR 7,4 MF Tmax. 90 °C CSA B 137.11 ASTM F 2389 METRIC NSF ICC ESR 1613 opaque 07.11.06. 03.42 Uhrzeit M-3 B057 Made in Germany. / For a safe connection use only original aquatherm fittings!
aquatherm blue pipe (old climatherm) faser verbundrohr 25x 3,5 mm Art. 2070710 PP-R 80/ PP-R – 80 GF / PP- R 80 SDR 7,4 MF Tmax. 90 °C CSA B 137.11 ASTM F 2389 METRIC NSF ICC ESR 1613 opaque 07.11.06. 03.42 Uhrzeit M-3 B057 Made in Germany. / For a safe connection use only original aquatherm fittings!
aquatherm blue pipe (old climatherm) faser verbundrohr 32x 2,9 mm Art. 2070112 PP-R 80/ PP-R – 80 GF / PP- R 80 SDR 11 MF Tmax. 90 °C CSA B 137.11 ASTM F 2389 METRIC NSF ICC ESR 1613 opaque 31.10.07. 04.22 Uhrzeit M-33 A404 Made in Germany. / For a safe connection use only original aquatherm fittings!
aquatherm blue pipe (old climatherm) faser verbundrohr 40x 3,7 mm Art. 2070114 PP-R 80/ PP-R – 80 GF / PP- R 80 SDR 11 MF Tmax. 90 °C CSA B 137.11 ASTM F 2389 METRIC NSF ICC ESR 1613 opaque 07.11.06. 03.42 Uhrzeit M-33 A404 Made in Germany. / For a safe connection use only original aquatherm fittings!
aquatherm blue pipe (old climatherm) faser verbundrohr 50x 4,6 mm Art. 2070116 PP-R 80/ PP-R – 80 GF / PP- R 80 SDR 11 MF Tmax. 90 °C CSA B 137.11 ASTM F 2389 METRIC NSF ICC ESR 1613 opaque 31.10.07. 04.22 Uhrzeit M-33 A404 Made in Germany. / For a safe connection use only original aquatherm fittings!
aquatherm blue pipe (old climatherm) faser verbundrohr 63x 5,8 mm Art. 2070118 PP-R 80/ PP-R – 80 GF / PP- R 80 SDR 11 MF Tmax. 90 °C CSA B 137.11 ASTM F 2389 METRIC NSF ICC ESR 1613 opaque 07.11.06. 03.42 Uhrzeit M-33 A404 Made in Germany. / For a safe connection use only original aquatherm fittings!
aquatherm blue pipe (old climatherm) faser verbundrohr 75x 6,8 mm Art. 2070120 PP-R 80/ PP-R – 80 GF / PP- R 80 SDR 11 MF Tmax. 90 °C CSA B 137.11 ASTM F 2389 METRIC NSF ICC ESR 1613 opaque 07.11.06. 03.42 Uhrzeit M-33 A404 Made in Germany. / For a safe connection use only original aquatherm fittings!
aquatherm blue pipe (old climatherm) faser verbundrohr 90x 8,2 mm Art. 2070122 PP-R 80/ PP-R – 80 GF / PP- R 80 SDR 11 MF Tmax. 90 °C CSA B 137.11 ASTM F 2389 METRIC NSF ICC ESR 1613 opaque 07.11.06. 03.42 Uhrzeit M-33 A404 Made in Germany. / For a safe connection use only original aquatherm fittings!
aquatherm blue pipe (old climatherm) faser verbundrohr 110x 10,0 mm Art. 2070124 PP-R 80/ PP-R – 80 GF / PP- R 80 SDR 11 MF Tmax. 90 °C CSA B 137.11 ASTM F 2389 METRIC NSF ICC ESR 1613 opaque 07.11.06. 03.42 Uhrzeit M-33 A404 Made in Germany. / For a safe connection use only original aquatherm fittings!
aquatherm blue pipe (old climatherm) faser verbundrohr 125x 11,4 mm Art. 2070126 PP-R 80/ PP-R – 80 GF / PP- R 80 SDR 11 MF Tmax. 90 °C CSA B 137.11 ASTM F 2389 METRIC NSF ICC ESR 1613 opaque 07.11.06. 03.42 Uhrzeit M-33 A404 Made in Germany. / For a safe connection use only original aquatherm fittings!
aquatherm blue pipe (old climatherm) faser verbundrohr 160x14,6 mm Art. 2070130 PP-R 80/ PP-R – 80 GF / PP- R 80 SDR 11 MF Tmax. 90 °C CSA B 137.11 ASTM F 2389 METRIC NSF ICC ESR 1613 opaque 07.11.06. 03.42 Uhrzeit M-33 A404 Made in Germany. / For a safe connection use only original aquatherm fittings!
aquatherm blue pipe (old climatherm) faser verbundrohr 200x18,2 mm Art. 2070134 PP-R 80/ PP-R – 80 GF / PP- R 80 SDR 11 MF Tmax. 90 °C CSA B 137.11 ASTM F 2389 METRIC NSF ICC ESR 1613 opaque 07.11.06. 03.42 Uhrzeit M-33 A404 Made in Germany. / For a safe connection use only original aquatherm fittings!
aquatherm blue pipe (old climatherm) faser verbundrohr 250x22,7 mm Art. 2070138 PP-R 80/ PP-R – 80 GF / PP- R 80 SDR 11 MF Tmax. 90 °C CSA B 137.11 ASTM F 2389 METRIC NSF ICC ESR 1613 opaque 07.11.06. 03.42 Uhrzeit M-33 A404 Made in Germany. / For a safe connection use only original aquatherm fittings!



>> a<< aquatherm blue pipe SDR 7,4 MF 20x 2,8 mm Art. 2070708 PP-R/ PP-R GF/ PP-R Tmax= 90 ° AENOR-001/823 CSA B 137.11 ASTM F 2839 metric (20x 2,8 mm / 2070708) 26.06.15. 22:19 M33A 01681 Made in Germany/ for a safe connection use only original aquatherm fittings!/Δ >> a<<
>> a<< aquatherm blue pipe SDR 7,4 MF 25x 3,5 mm Art. 2070710 PP-R/ PP-R GF/ PP-R Tmax= 90 ° AENOR-001/823 CSA B 137.11 ASTM F 2839 metric (25x 3,5 mm / 2070710) 16.07.15. 03.59 M33A 01681 Made in Germany/ for a safe connection use only original aquatherm fittings!/Δ >> a<<
>> a<< aquatherm blue pipe SDR 11 MF 63 x 5,8 mm Art. 2070118 fusiolen PP-R/ PP-R GF/ PP-R Tmax= 90 ° AENOR-001/823 CSA B 137.11 ASTM F 2839 metric ISO 21003 Class 4/6 bar 5/4 bar metric (63 x 5,8 mm / 2070118) 18.09.15. 15:24 M 056 RE 2646 M03 Made in Germany/ for a safe connection use only original aquatherm fittings!/Δ >> a<<
Prema Tehnologij. Katalog E10050, 01.2015 i tehnički katalog za plave cijevi E 10050 aquatherm blue pipes od 08.2020.godine sve plave cijevi ovoga tipa SDR 7,4 i SDR 11 su dobile novi Brand name aquatherm blue pipe SDR 7,4 MF i SDR 11 MF (stara oznaka : climatherm SDR 7,4 i SDR 11 mora imati novu oznaku aquatherm blue pipe SDR 7,4 MF i SDR 11 MF (old Climatherm pipes SDR 7,4 i SDR 11).

Zaključak / Conclusion/:

Temeljem laboratorijskih izvješća i certifikata prema Tabeli 1. **zaključuje se da se može izdati Potvrda o sukladnosti br. C/08-03-10/25-AQGE za aquatherm blue pipe SDR 7,4 MF/ SDR 11 MF u skladu s BAS EN ISO/IEC 17050-1:2007, EN ISO 17050-1:2004, IDT Procjena sukladnosti - Deklaracija sukladnosti od dobavljača – Dio 1. Opći zahtjevi**

On the basis of laboratory report and certificates according to table 1, concluded that we can to issue Certificate of conformity No. C-03-08-10/25-AQGE for this product aquatherm blue pipe SDR 7,4 MF/ SDR 11 MF in accordance with BAS EN ISO/IEC 17050-1:2007, EN ISO 17050-1:2004, IDT Estimate of conformity- Declaration about conformity from supplier-Part 1. Common requests

Paula Franjić, dipl.ing.

Signature project manager:

Stranica 4 od 4 Page 4 from 4
Mjesto, datum izdavanja: Mostar, 30.10.2025.

Place and Date of issue

Rok valjanosti : 30.10.2030. god.

Valid date

MP
ZAVOD
ZA ISPITIVANJE KVALITETE
DRUŠTVO S OGRANIČENOM ODGOVORNOSTI
MOSTAR

Direktor:

Signature authorized person

Mr.sci. Milenko Puc, dipl. ing.



POTVRDA O SUKLADNOSTI

Certificate of conformity No.:

br. C/08-04-10/25-AQGE

Proizvod: aquatherm green pipe PP-R SDR 9 MF RP
Product : PP-RP / PP-RP GF/PP-RP koji je pojačan staklenim vlaknima

Proizvođač: AQUATHERM GmbH , Germany
Manufacturer: Biggen 5, D-57439 Attendorn

Tip: aquatherm green pipe PP-R SDR 9 MF RP
Models or types: PP-RP / PP-RP GF/PP-RP , koji je pojačan staklenim vlaknima
32x3,6 mm; 40x 4,5 mm; 50x 5,6 mm; 63x7,1mm; 75x8,4 mm; 90x10,1 mm;
110x12,3 mm; 125 x 14 mm; 160x17,9 mm; 200x22,4 mm; 250x27,9 mm
315x 35,2 mm, 355 x 39,7 mm, PN 15 @ 20 °C

Podnositelj zahtjeva: AQUATHERM GmbH , Germany
Applicant: Biggen 5, D-57439 Attendorn

Ovlaštena tvrtka: ZAVOD ZA ISPITIVANJE KVALITETE d.o.o. Mostar
Authorized company: Sv. Leopolda Mandića 9/1, 88000 Mostar

Tehnički i drugi podaci: (*Technical and other data:*)

Opis : aquatherm green pipe PP-R SDR 9 MF RP PP-R / PP-R GF/PP-R fusiolen green pipe cijevi, zelene su boje s 4 tamno zelene trake po cijeloj duljini. Faser kompozitne zelene cijevi namjenjene su za sanitarnu vodu, grijanje i instalaciju hladne i tople vode. Izrađene su sa međuslojem koji sadrži staklena vlakna.

Dimenzije: DN= (32 do 355) mm; SDR 9 MF (SDR=d/e), S4 serija cijevi (S=(SDR-1)/2) PN15@ 20 °C

Osnovni sastav: Polipropilen PP R je vrsta PP random kopolimera sa specijalnom kristalnom strukturom.

Način ugradnje: Isključivo prema uputama proizvođača koje moraju biti usklađene u svim detaljima sa tehničkom dokumentacijom tvrtke Aquatherm po katalogu Or.Nr. E10101 04/2015 aquatherm green pipe-Pipe system made of polypropylene, tehnički katalog 2023. godine.

Dodatak certifikati i: (*Add Certificate and:*)

SKZ A632 , SKZ A 644 , SKZ -Te Con.A GmbH 10.15.. /10.2028. DNV -GL 86069 – 96 HH od 07.09.2015./ 05.08.2020.

Izvešću o ispitivanju br. *Test reports No:* 08-04-10/25-AQGE; ITB-KOT-2019/ 1053 od 27.08.2019, Warszawa,

RINA ITALY TYPE APPROVAL MAC 059524x G/005 04.03.2025./ 03.03.2029. EMI HUNGARIA 20-CPR-2-

Zaključak / Conclusion/:

Utvrđeno je da je proizvod **S U K L A D A N** sa zahtjevima sljedećih normi i propisa :

It is confirmed that the product characteristics are in conformity to the requirements of the following regulations and standards:

- DIN 8077:2007, DIN 8078:2007,
- SKZ HR 3.28:2008-3; Part C, Chapter 1, Appendix 3 of RINA Rules,
- BAS EN ISO 15874-5/ A1:2019; BAS EN ISO 15874-2: 2014 ,
- BAS EN ISO 21003-2:2010, EN ISO 21003-2:2008

Stranica 1 +3/ Page 1 +3

Mjesto, datum izdavanja: Mostar, 30.10.2025.

Place and Date of issue:

Rok valjanosti : 30.10.2030. god.

Validity date:

ZAVOD
ZA ISPITIVANJE KVALITETE
DRUŠTVO S OGRANIČENOM ODGOVORNOSTI
MOSTAR

Direktor:

Signature authorized person:

M. Puce
Mr. sci. Mišenko Puce, dipl.ing.



br.certifikata:
4410016430339

Ovaj dokument vrijedi samo za proizvode koji su istovjetni sa ispitanim uzorkom.

Tel.: 036 327 923; Fax: 036 333 619; e-mail: info@zik-mo.ba

www.zik-mo.ba



IZVJEŠĆE O ISPITIVANJU

Report about testing No.:

br. /08-04-10/25-AQGE

Proizvod:
Product

aquatherm green pipe PP-R SDR 9 MF RP
PP-RP / PP-RP GF/PP-RP (DN 32 do DN 355) mm, tip SDR 9 MF RP
Acc. To HR 3.28 :2008, PN 15@ 20 °C; (32 do 355) mm

Proizvođač:
Manufacturer:

AQUATHERM GmbH , Germany
Biggen 5, D-57439 Attendorn

Tablica br.1./ Table No.1

Poz.	Predmet ispitivanja/ Subject of testing	Norme za ispitne metode/ Standard for test methods	Potvrde o sukladnosti/ Certificate of conformity No.:
1	MFR granulata (230°C / 2,16 kg) ; melt mass flow: ≤0,50 g/10min Outside diameter , wall thickness, thickness of fiber layer, and glass fibre content of center layer (18 ±3) % According to SKZ A 632 and SKZ A 644	SKZ A 632 Ispitni izvještaji: Za /for: 32 x 3,6 mm 573714 /1.1/110852 SKZ A 632/ A 644 ZA /FOR_ 40x 4,5 mm; 50x 5,6 mm, 63x7,1mm; 75x8,4 mm; 90x10,1 mm; 110x12,3 mm; 125 x 14 mm; 160x17,9 mm; 200x22,4 mm; 250x27,9mm 315x 35,2 mm, 355 x 39,7 mm	SKZ A 632 for place of manufacturer SKZ A 644 SKZ A 632 3 str. Engleska verzija + 3 str. Njemačka verzija SKZ -Te ConA GmbH Zahtjevi za ispitivanje i kontrolu prema SKZ HR 3-28 :2008
2	Materijal: Hostate PP RP 2503 Mjesto postavljanja prema DNV GL za cijevi klase III, samo za zelene cijevi su za vodu za piće (potable Wter) , nisu za montažu na mjestima gdje se zahtjeva ispitivanje vatrootpornosti po IMO Res. 753 (18) VESTOLEN P9421 raw material, PP-R , PP- RP cijevi i fitinzi	RINA ITALY TYPE APPROVAL MAC 059524x G/005 04.03.2025./ 03.03.2029. Flammability test 2005 CS013471/2acc. To ASTM D635	DNV -GL 86069 – 96 HH OD 07.09.2015./ 05.08.2020. EMI 20-CPR-2- (C-20/2013)
3.	The requirements according to the test and control specifications HR 3.28: 2008 of SKZ -Te Con A GmbH	RINA FLAME SPREAD REORT 96DG706TO and 2005 CSO 13471/1: RINA DWG HMMC 6047, HMMC 6049 OD 21.09.2015.	RINA ITALY TYPE APPROVAL MAC 059524x G/005 04.03.2025./ 03.03.2029.

Stranica 1 od 3/ Page 1 from 3

IZVJEŠĆE O ISPITIVANJU br. /08-04-10/25-AQGE



br. certifikata:
4410016430339

Ovaj dokument vrijedi samo za proizvode koji su istovjetni sa ispitanim uzorkom.
This document is valid only for products that is identical to the sample tested.

Tel.: 036 327 923

Fax: 036 333 619

e-mail: info@zik-mo.ba

www.zik-mo.ba



Novi ispitni izvještaji i označavanje SUSTAVA CIJEVI *aquatherm green pipe SDR9 MF PP-RP /PP-RP- GF/PP-RP*:

New inspection report and marking of *aquatherm green pipe SDR9 MF PP-RP /PP-RP- GF/PP-RP*:

Inspection report: DNV- GL 86069-96 HH od 07..09.15. / 05.08.20. SKZ a632/ SKZ A 644

NAPOMENA: boja cijevi je zelene s četiri tamnozele ne trake cijelom duljinom

Notes: Color of the pipes: green with four dark green longitudinal stripes.

Prema katalogu br. E10101, 04/2015 *aquatherm green pipe*- Pipe system made of polypropylene i dopisa od *Aquatherm/ Vokel* 09.2012 sve zelene cijevi ovoga tipa SDR 9 su dobile novi brand name *aquatherm green pipe* SDR 9 MF (stara oznaka: *fusiotherm* SDR 9)

Acc.to catalog Or.Nr. E10101 date 04/2015 *aquatherm green pipe*- Pipe system made of polypropylene and *aquatherm* announces change brand names, from 09.2012, all pipes this type SDR 9 have had new marking of green pipe with NEW BRAND NAMES:

aquatherm green pipe SDR 9 MF, (old : fusiotherm faser composite pipes SDR 9.)

Inspection report : SKZ A 632 573714/ 1.1/ 110852 OD 08.2015.

>> a<< *aquatherm green pipe SDR 9 MF-RP* 32x 3,6 mm Art. 0370712 *fusiolen PP-RP /PP-RP- GF/PP-RP*
SKZ A 632 ISO 21003 Class 1-8 bar 2-8 bar (32x3,6 mm /0370712) 20.02.14. Time M- 48351 GP NF
0516 K 07 Made in Germany/ for a safe connection use only original *aquatherm fittings!* /Δ PP - RP- GF >> a<<

Inspection report : SKZ A 644 574015/ 1.1/ 116491 OD 08.2015.

>> a<< *aquatherm green pipe SDR 9 MF-RP* 40x 4,5 mm Art. 0370714 *fusiolen PP-RP /PP-RP- GF/PP-RP*
SKZ A 644 ISO 21003 Class 1-8 bar 2-8 bar (40x4,5 mm /0370714) 15.02.15. 22:22 M- 09 GP PJ 0716 K
12 Made in Germany/ for a safe connection use only original *aquatherm fittings!* /Δ PP - RP- GF >> a<<

Inspection report : SKZ A 644 574014/ 1.1/ 114248 OD 08.2015.

>> a<< *aquatherm green pipe SDR 9 MF-RP* 50x 5,6 mm Art. 0370716 *fusiolen PP-RP /PP-RP- GF/PP-RP*
SKZ A 644 ISO 21003 Class 1-8 bar 2-8 bar (50 x5,6 mm /0370716) 23.09.14. Time M-05 GP PG 1116 K
07 Made in Germany/ for a safe connection use only original *aquatherm fittings!* /Δ PP - RP- GF >> a<<

Inspection report : SKZ A 632 573714/ 1.1/ 113254 OD 03.2015.

>> a<< *aquatherm green pipe SDR 9 MF-RP* 50x 5,6 mm Art. 0370716 *fusiolen PP-RP /PP-RP- GF/PP-RP*
SKZ A 632 ISO 21003 Class 1-8 bar 2-8 bar (50x6,6 mm /0370716) 08.08.14. 05:05 Time M- 48351 GP MB
1616 K 07 Made in Germany/ for a safe connection use only original *aquatherm fittings!* /Δ PP - RP- GF >> a<<

Inspection report : SKZ A 632 573715/ 1.1/ 115359 OD 08.2015.

>> a<< *aquatherm green pipe SDR 9 MF-RP* 63x 7,1 mm Art. 0370718 *fusiolen PP-RP /PP-RP- GF/PP-RP*
SKZ A 632 ISO 21003 Class 1-8 bar 2-8 bar (63x7,1 mm /0370718) 10.02.15. 14:53 Time M- 48351 GP NF
0516 K 09 Made in Germany/ for a safe connection use only original *aquatherm fittings!* /Δ PP - RP- GF >> a<<

Inspection report : SKZ A 632 574113/ 1.1/ 109180 OD 08.2015.

>> a<< *aquatherm green pipe SDR 9 MF-RP* 75x 8,4 mm Art. 0370720 *fusiolen PP-RP /PP-RP- GF/PP-RP*
SKZ A 632 ISO 21003 Class 1-8 bar 2-8 bar (75x8,4 mm /0370720) 11.02.15. Time M- 48351 GP NF 0516
K 07 Made in Germany/ for a safe connection use only original *aquatherm fittings!* /Δ PP - RP- GF >> a<<

Inspection report : SKZ A 644 574115/ 1.1/ 116492 OD 08.2015.

>> a<< *aquatherm green pipe SDR 9 MF-RP* 75x 8,4 mm Art. 0370720 *fusiolen PP-RP /PP-RP- GF/PP-RP*
SKZ A 644 ISO 21003 Class 1-8 bar 2-8 bar (75x8,4 mm /0370720) 04.08.13. Time M-08 GP NF 2016 K
36 Made in Germany/ for a safe connection use only original *aquatherm fittings!* /Δ PP - RP- GF >> a<<

Inspection report : SKZ A 644 574114/ 1.1/ 114249

>> a<< *aquatherm green pipe SDR 9 MF-RP* 90x 10,1 mm Art. 0370722 *fusiolen PP-RP /PP-RP- GF/PP-RP*
SKZ A 644 ISO 21003 Class 1-8 bar 2-8 bar (90x10,1 mm /0370722) 23.08.14. 13:56 M-08 48351 GP PE
0616 K 04 Made in Germany/ for a safe connection use only original *aquatherm fittings!* /Δ PP - RP- GF >> a<<

Inspection report : SKZ A 644 5741114/ 1.1/ 112197

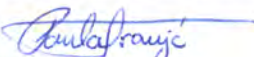
>> a<< *aquatherm green pipe SDR 9 MF-RP* 110x 12,3 mm Art. 0370724 *fusiolen PP-RP /PP-RP- GF/PP-RP*
SKZ A 644 ISO 21003 Class 1-8 bar 2-8 bar (110x12,3 mm /0370724) 05.06.14. 05:27 M-08 48351 GP MB
1616 K 28 Made in Germany/ for a safe connection use only original *aquatherm fittings!* /Δ PP - RP- GF >> a<<



Zaključak: / Conclusion/

Temeljem laboratorijskih izvješća i certifikata prema Tabeli 1. zaključuje se da se može izdati
Potvrda o sukladnosti br. C/08-04-10/25-AQGE za aquatherm green pipe PP-R SDR 9 MF RP
u skladu s BAS EN ISO/IEC 17050-1:2007, EN ISO 17050-1:2004, IDT Procjena sukladnosti -
Deklaracija sukladnosti od dobavljača – Dio 1. Opći zahtjevi i zahtjeva/ On the basis of laboratory report
and certificates according to table 1, concluded that we can to issue / can not to issue Certificate of
conformity No. C/08-04-10/25-AQGE for aquatherm green pipe PP-R SDR 9 MF RP in accordance with
BAS EN ISO/IEC 17050-1:2007, EN ISO 17050-1:2004 IDT Estimate of conformity- Declaration about
conformity from supplier, Part 1, Common requests, and (17050-1)

- DIN 8077:2007, DIN 8078:2007,
- SKZ HR 3.28:2008-3; Part C, Chapter 1, Appendix 3 of RINA Rules,
- BAS EN ISO 15874-5/A1:2019; BAS EN ISO 15874-2: 2014 ,
- BAS EN ISO 21003-2:2010, EN ISO 21003-2:2008

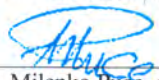

sačinio: Paula Franjić, dipl.ing.
Nominally principal manager

Stranica 3 od 3/ Page 3 from 3

IZVJEŠĆE O ISPITIVANJU br. /08-04-10/25-AQGE

Mjesto, datum izdavanja: Mostar, 30.10.2025.
Place and Date of Issue
Rok valjanosti : 30.10.2030. god.
Valid till date

ZAVOD
ZA ISPITIVANJE KVALITETE
POSREDOVANJE S OGRANIČENOM ODGOVORNOSTI
MOSTAR

Direktor:
Signature authorized person

Mr. sci. Milenko Pučić, dipl.ing.