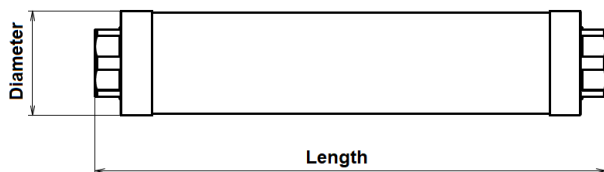


IPS KalyxX BlueLine

Características

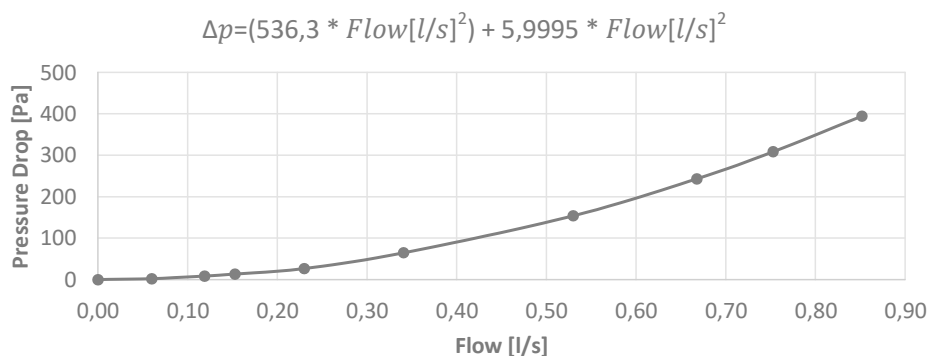


- Reduce la creación de cal en elementos en contacto con suministro de agua (tuberías, válvulas, grifería, rociadores, serpentines de calentamiento de agua de electrodomésticos) – eficiencia del 76%.
- Reduce la cantidad de bacterias Escherichia Coli hasta un 40% (gracias a los electrodos de plateados).
- Nueva tecnología Patentada TGP® – Polarización Galvánica Turbulenta: sin productos químicos ni energía externa.
- Apto para agua fría (potable) y caliente.
- Certificado NRL para contacto directo permanente con agua potable.
- Producto de seguridad sanitaria: cada parte de IPS está hecha de materiales aptos para el contacto con agua potable.



Model	Connection	Diameter (mm)	Length (mm)	Weight (g)	Max Pressure (Bar / MPa)	Max. Flow (m3/hod)	Pressure drop at max flow (mBar / Pa)
BlueLine 1/2"	G 1/2" (female)	Ø50	245	910	10 / 1	1	0,4405 / 43,05
BlueLine 3/4"	G 3/4" (female)	Ø50	245	890	10 / 1	3,2	4,29 / 429,08
BlueLine 1"	G 1" (female)	Ø50	251	930	10 / 1	4	6.68 / 668,76

Perdida de presión IPS KalyxX BlueLine



IPS KalyxX BlueLine

NRL Certificate

	THE REGIONAL PUBLIC HEALTH AUTHORITY IN POPRAD Zdravotnícka 3, 058 97 Poprad The National Reference Laboratory for materials intended to come into contact with foodstuffs	EU Network of National Reference Laboratories NRL Food Contact Materials
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Assessment of safety of materials intended to come into contact with drinking water Nr. 5/2018

Customer : Swiss Aqua Technologies SK s.r.o.
Šebastovská 2
080 06 Prešov
SLOVAKIA

Date of issue : 16.02.2018

Sample title : IPS Kalyxx device
(modifications RedLine, BlueLine, GreenLine)

Producer : Swiss Aqua Technologies SK s.r.o.
Application : for direct permanent contact with drinking water (physical treatment of water - prevention of water formation and corrosion at the point of consumption)

Following the laboratory examination results and the submitted documentation - in term of the health protection – **IPS Kalyxx device (modifications RedLine, BlueLine, GreenLine)** produced by company Swiss Aqua Technologies SK s.r.o. **meets the requirements** of Act No. 355/2007 Coll. on protection, support and development of public health and amendment and supplementing to some acts and Act No. 258/2000 Coll. on the protection of public health and on the amendment of some related laws **and is suitable for direct contact with drinking water** (physical water treatment - prevention of water formation and corrosion at the point of consumption).



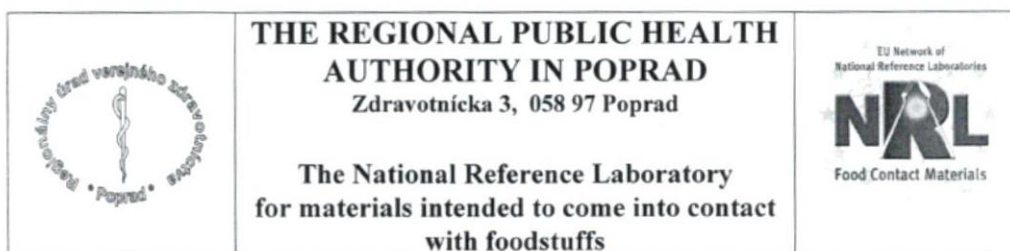
REGIONAL PUBLIC HEALTH
AUTHORITY IN POPRAD
Zdravotnícka 3, 058 97 Poprad
National reference laboratory
for materials intended to come
into contact with foodstuffs



Mgr. Ing. Milada Syčová, MPH
Head of the National Reference Laboratory
for materials intended
into contact with foodstuffs

IPS Kalyxx BlueLine

NRL Certificate



TEST REPORT

Laboratory analysis results and assessment of safety of materials intended
to come into contact with drinking water Nr. 50 – 55/2018

Customer : Swiss Aqua Technologies SK s.r.o.

Šebastovská 2

080 06 Prešov

SLOVAKIA

Date of samples receipt : 10.01.2018

Date of issue : 16.02.2018

Samples title : silver plated planes for IPS Kalyxx device

Producer : Swiss Aqua Technologies SK s.r.o.

Application : for direct permanent contact with drinking water (physical treatment of water -
prevention of water formation and corrosion at the point of consumption)

Silver plated planes for IPS Kalyxx device meet the requirements of the § 9 of Ministry of Health of the Czech republic Decree no. 409/2005 Coll. on hygienic requirements for products that come into direct contact with water and water treatment.

Following the laboratory examination results and the submitted documentation - in term of the health protection – **silver plated planes for IPS Kalyxx (modifications RedLine, BlueLine, GreenLine)** produced by company Swiss Aqua Technologies SK s.r.o. **meets the requirements** of Act No. 355/2007 Coll. on protection, support and development of public health and amendment and supplementing to some acts and Act No. 258/2000 Coll. on the protection of public health and on the amendment of some related laws **and is suitable for direct contact with drinking water** (physical water treatment - prevention of water formation and corrosion at the point of consumption).



Mgr. Ing. Mílaďa Syčová, MPH
Head of the National Reference Laboratory
for materials intended
into contact with foodstuffs

IPS KalyxX BlueLine

TSU Certificate

 TECHNICKÝ SKÚŠOBNÝ ÚSTAV PIEŠŤANY, š.p.
Certifikačný orgán certifikujúci výrobky
Krajinská cesta 2929/9
921 01 Piešťany, Slovenská republika

**CERTIFIKÁT
CERTIFICATE**

č. / No. 0018/104/2018

Výrobca/Manufacturer: **Swiss Aqua Technologies SK s.r.o.**
Šebastová 2
080 06 Prešov

Výrobok/Product: **iónový- polarizačný systém IPS**
The ionic polarization system IPS

Typ/Type: **IPS Kalyxx BlueLine (G1/2; G3/4; G1; G5/4)**
IPS Kalyxx RedLine (G1/2)
IPS Kalyxx GreenLine (G1)

Týmto certifikátom sa potvrdzuje zhoda vlastností uvedeného typu výrobku s technickými požiadavkami uvedenými v:
This certificate confirms the compliance of the product type characteristics with the technical requirements given in:

- Tlakové straty: Technické podmienky pre inštaláciu výrobku „iónový polarizačný systém, typu IPS Kalyxx“
Pressure losses: Technical conditions for the installation of the "ionic polarization system, type IPS Kalyxx"
- Tlaková odolnosť a pevnosť - STN EN 12266-1:2012
Pressure resistance and strength- EN 12266-1:2012
- Zdravotná nezávadnosť - Vyhláška MZ SR č. 550/2007 Zb.
Health safety - Ordinance of Health Ministry SR no. 550/2007 Coll.

Certifikát je vydaný na základe skúšok vzorky typu výrobku. Výsledky sú uvedené v Správe o posúdení zhody č. 180500125 zo dňa 14. 05. 2018
The certificate has been issued on the basis of the tests of the product type sample. The results are recorded in the Conformity assessment report No. 180500125 dated 14. 05. 2018.

Dátum vydania / Issue date: 14. 05. 2018
Platnosť do / Expiry date: 13. 05. 2021
Vydanie / Issue: 1


Ing. Dušan Hanko
vedúci certifikačného orgánu
certifikujúceho výrobky
Head of Product Certification Body

097872

IPS KalyxX BlueLine

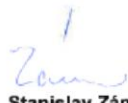
TSU Certificate

 TECHNICKÝ SKÚŠOBNÝ ÚSTAV PIEŠŤANY, š.p. Krajinská cesta 2929/9, 921 01 Piešťany, Slovenská republika		 Reg. No. 009/S-047
Skúšobňa TSÚ - Skúšobňa strojov a výrobných zariadení Tel.: +421-33-7957237 Fax: +421-33-7723716 E-mail: svz@tsu.sk www.tsu.sk POS.: 184000084		
		Page: 1 of 4 No. of Annexes: 0

Test report No.: 184000084

Test name: Test of hydraulic properties
Subject of testing: IPS KalyxX BlueLine
Type: Kalyxx
Manufacturer: Swiss Aqua Technologies SK s.r.o.
 Šebastovská 2
 080 06 Prešov
 Slovak Republic
Customer – Applicant: Swiss Aqua Technologies SK s.r.o.
 Šebastovská 2
 080 06 Prešov
 Slovak Republic
Nr. of order: 184000084
Testing place: TSÚ Piešťany, š.p.
 Krajinská cesta 2929
 92101 Piešťany
 Slovak Republic
Test – procedure method: MPS 316/501.
Date of test performance: 05.04.2018 - 17.04. 2018
Distribution: 1 x – customer
 1 x – TSU (SSVZ)
Date of issue: 17. 04. 2018


**TECHNICKÝ SKÚŠOBNÝ
ÚSTAV PIEŠŤANY, š.p.**
 Skúšobňa TSÚ
 Krajinská cesta 2929/9
 92101 PIEŠŤANY
 -316-

Tested and elaborated by:  **Ing. Stanislav Zámečník**
 Test engineer
 Checked and approved by:  **Ing. Mário Zemko**
 Technical manager of Testing Body
Test results introduced in this test report are related to the test subject only and do not substitute other documents required by state supervisory authorities and according to other specific regulations. Test report can be reproduced or published as a whole, in parts only with written approval of TSÚ test body.
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T-10-13/1.0

IPS KalyxX BlueLine

TUV Certificate

ZERTIFIKAT ♦ CERTIFICATE ♦ 認證證書 ♦ CERTIFICADO ♦ CERTIFICAT



TYPE CERTIFICATE

Registration number 09.171.895, Revision No. 2

issued for the manufacturer:

Swiss Aqua Technologies SK s.r.o.
Šebastovská 2
SK - 080 06 Prešov, Slovak Republic
Company Registration No.: 50480090

for the product:

Name:	Ion polarization system
Type designation:	IPS Plus, IPS Premium, IPS Industry, IPS Kalyxx
Modification:	G 1/2" (NPT), G 3/4" (NPT), G 1" (NPT), G 5/4", G 6/4", G 2"; DN 40-150
Place of the production:	Košická 5, SK - 080 01 Prešov, Slovak Republic
Use:	Distribution systems of drinking, sanitary, hot and heating water inside buildings
Restriction on the use:	Water conductivity 50 up to 2000 $\mu\text{S}\cdot\text{cm}^{-2}$; salts content 50 - 2000 $\text{mg}\cdot\text{l}^{-1}$; water temperature 0 up to 95 °C; pressure up to 1 MPa; speed up to 4 $\text{m}\cdot\text{s}^{-1}$; water flow up to 100 $\text{m}^3\cdot\text{h}^{-1}$

at which the certification has been conducted pursuant to ISO/IEC 17067 – scheme 3 certification scheme in accordance with TUV SUD Czech certification system. The results are stated in Evaluation report file No. 09.185.334 from 15.12.2016, No. 09.185.334, Revision No. 1 from 16.01.2017 and No. 11.914.547 from 16.11.2018.

The product type mentioned above fulfils the applicable requirements of the following regulations/standards which were the basis for its evaluation:

STN 13 7100:1965, ČSN 13 7100:1965

This certificate is valid till: **29.12.2021**

Details and validity conditions are stated in the annex which forms an integral part of this Certificate and contains 1 page.

This certificate is issued on the basis of voluntary certification, and it does not substitute outputs of the authorized or notified body.

Prague, 21.11.2018





Head of the certification body

TÜV SÜD Czech s.r.o. • Novodvorská 994 • 142 21 Prague 4 • Czech Republic • certification@tuv-sud.cz

