



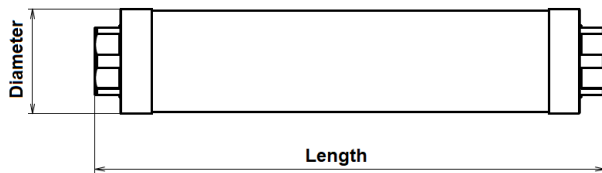
The physical-galvanic water treatment

IonPolarization System



Swiss Aqua Technologies

# IPS KalyxX BlueLine

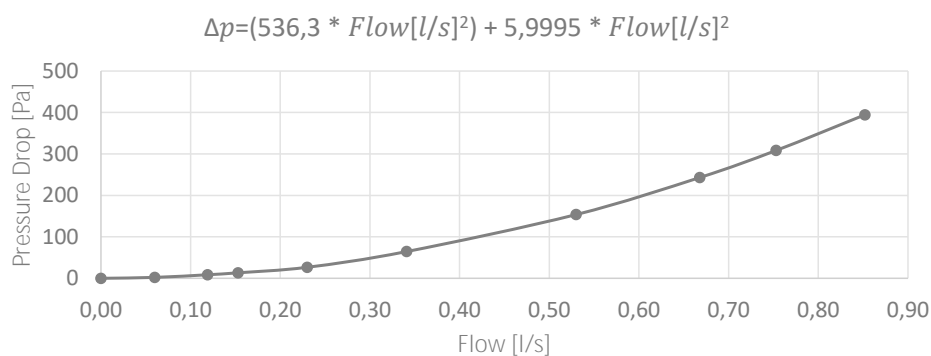


## Specification

- Reduces creation of Limescale on water supply elements (pipework, valves, taps, shower heads, waterheating coils of home appliances) – **efficiency of 76%**.
- New Patented technology **TGP®** (Turbulent Galvanic Polarisation) – **no chemicals, no external energy**.
- Suitable for **cold** (drinking) water
  - **NRL Certificate** for direct permanent contact with drinking water.
- **Health safety product** – each part of IPS is made from material suitable for contact with drinking water.
- Safe product - Verified **Hydraulic properties**
  - TUS test report about **Pressure drop, Pressure resistance and Strength**.
- Durable body (Stainless steel 1.4301) and internal parts – 5 year warranty.
- **Silver** plated components inside for prevention of bacteria growth.

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

## Pressure Drop IPS KalyxX BlueLine





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# IPS KalyxX BlueLine

## NRL Certificate

	<p><b>THE REGIONAL PUBLIC HEALTH AUTHORITY IN POPRAD</b> Zdravotnícka 3, 058 97 Poprad</p> <p><b>The National Reference Laboratory for materials intended to come into contact with foodstuffs</b></p>	<p>EU Network of National Reference Laboratories</p> 
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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

V/NRL/1A, version 01/14



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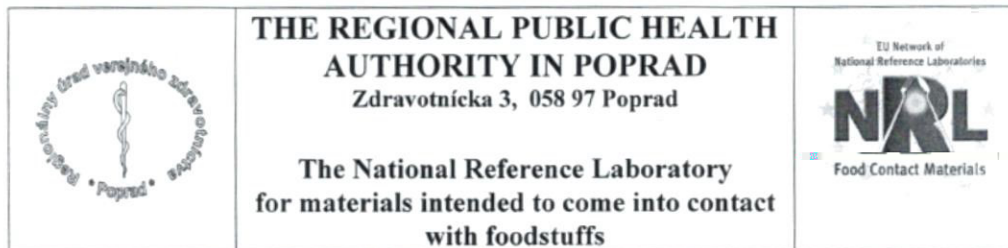
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# IPS KalyxX BlueLine

## 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).



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

V/NRL/1A, version 01/14





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# IPS KalyxX BlueLine

## TSU Certificate

	<p>TECHNICKÝ SKÚŠOBNÝ ÚSTAV PIEŠŤANY, š.p. Certifikačný orgán certifikujúci výrobky Krajinská cesta 2929/9 921 01 Piešťany, Slovenská republika</p>
<h3>CERTIFIKÁT CERTIFICATE</h3>	
<p>č. / No. 0018/104/2018</p>	
Výrobca/Manufacturer:	<p>Swiss Aqua Technologies SK s.r.o. Šebastová 2 080 06 Prešov</p>
Výrobok/Product:	<p>iónový- polarizačný systém IPS The ionic polarization system IPS</p>
Typ/Type:	<p>IPS KalyxX BlueLine (G1/2; G3/4; G1; G5/4) IPS KalyxX RedLine (G1/2) IPS KalyxX GreenLine (G1)</p>
<p>Týmto certifikátom sa potvrdzuje zhoda vlastností uvedeného typu výrobku s technickými požiadavkami uvedenými v: <i>This certificate confirms the compliance of the product type characteristics with the technical requirements given in:</i></p>	
<ul style="list-style-type: none"> <li>• Tlakové straty: Technické podmienky pre inštaláciu výrobku „iónový polarizačný systém, typu IPS KalyxX <i>Pressure losses: Technical conditions for the installation of the "ionic polarization system ,type IPS KalyxX</i></li> <li>• Tlaková odolnosť a pevnosť - STN EN 12266-1:2012 <i>Pressure resistance and strength- EN 12266-1:2012</i></li> <li>• Zdravotná nezávadnosť - Vyhláška MZ SR č. 550/2007 Zb. <i>Health safety - Ordinance of Health Ministry SR no. 550/2007 Coll.</i></li> </ul>	
<p>Certifikát je vydaný na základe skúšok vzorky typu výrobku. Výsledky sú uvedené v Správe o porovnaní zhody č. 180500125 zo dňa 14. 05. 2018</p>	
<p><i>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.</i></p>	
Dátum vydania / Issue date	14. 05. 2018
Platnosť do / Expiry date:	13. 05. 2021
Vydanie / Issue	1
<p>Ing. Dušan Hanko vedúci certifikačného orgánu certifikujúceho výrobky <i>Head of Product Certification Body</i></p>	
<p>097872</p>	



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# IPS KalyxX BlueLine

## TSU Certificate

	<b>TECHNICKÝ SKÚŠOBNÝ ÚSTAV PIEŠŤANY, š.p.</b>		
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

*Zamecnik* *Zemko*

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 TSU test body.

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T-10-13/1.0



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# IPS KalyxX BlueLine

TUV Certificate

ZERTIFIKAT ♦ CERTIFICATE

認證證書

CERTIFICADO ♦ CERTIFICAT



Czech

## 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:	<b>Ion polarization system</b>
Type designation:	<b>IPS Plus, IPS Premium, IPS Industry, IPS Kalyxx</b>
Modification:	G ½" (NPT), G ¾" (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 µS.cm <sup>-2</sup> ; salts content 50 - 2000 mg.l <sup>-1</sup> ; water temperature 0 up to 95 °C; pressure up to 1 MPa; speed up to 4 m.s <sup>-1</sup> ; water flow up to 100 m <sup>3</sup> .h <sup>-1</sup>

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**

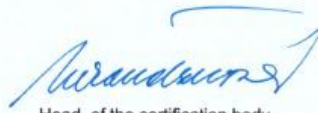
This certificate is valid till: **29.12.2021**

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

F 540-028-38EN (2017-06-23) (F540\_028\_38EN)

TUV SUD Czech s.r.o. • Novodvorská 994 • 142 21 Prague 4 • Czech Republic • [certification@tuv-sud.cz](mailto:certification@tuv-sud.cz)

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