



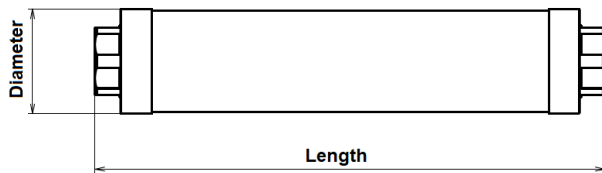
The physical-galvanic water treatment

IonPolarization System



Swiss Aqua Technologies

IPS KalyxX RedLine

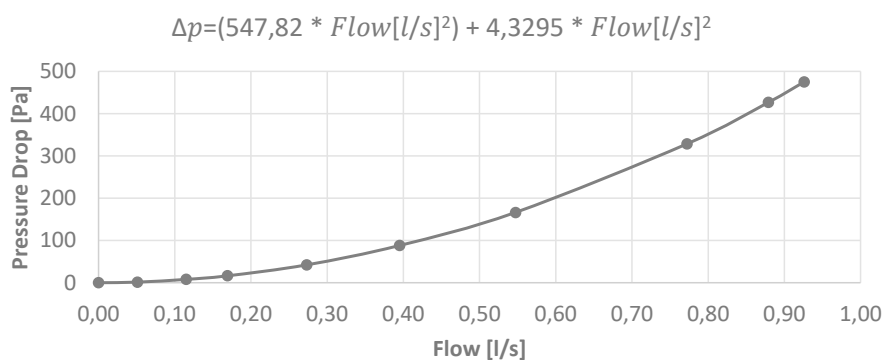


Specification

- 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) and **hot** 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.

Model	Connection	Diameter (mm)	Length (mm)	Weight (g)	Max Pressure (Bar / MPa)	Max. Flow (m3/hod)	Pressure drop at max flow (mBar / Pa)
RedLine 1/2"	G 1/2" (female)	Ø50	245	910	10 / 1	1	0,4416 / 44,16
RedLine 3/4"	G 3/4" (female)	Ø50	245	890	10 / 1	3,2	4,38 / 437,78
RedLine 1"	G 1" (female)	Ø50	251	930	10 / 1	4	6,92 / 692,03

Pressure Drop IPS KalyxX RedLine





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NRL Certificate

	<p>THE REGIONAL PUBLIC HEALTH AUTHORITY IN POPRAD Zdravotnícka 3, 058 97 Poprad</p> <p>The National Reference Laboratory for materials intended to come into contact with foodstuffs</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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Swiss
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IPS KalyxX RedLine

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:</p>	
<p><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"> • 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> • Tlaková odolnosť a pevnosť - STN EN 12266-1:2012 <i>Pressure resistance and strength- EN 12266-1:2012</i> • Zdravotná nezávadnosť - Vyhláška MZ SR č. 550/2007 Zb. <i>Health safety - Ordinance of Health Ministry SR no. 550/2007 Coll.</i> 	
<p>Certifikát je vydaný na základe skúšok vzorky typu výrobku. Výsledky sú uvedené v Správe o posúdení 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 Head of Product Certification Body</p>	
<p>097872</p>	

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IPS KalyxX RedLine

TSU Certificate

	TECHNICKÝ SKÚŠOBNÝ ÚSTAV PIEŠŤANY, š.p.		 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



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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:	Ion polarization system
Type designation:	IPS Plus, IPS Premium, IPS Industry, IPS Kalyxx
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 ⁻² ; salts content 50 - 2000 mg.l ⁻¹ ; water temperature 0 up to 95 °C; pressure up to 1 MPa; speed up to 4 m.s ⁻¹ ; water flow up to 100 m ³ .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

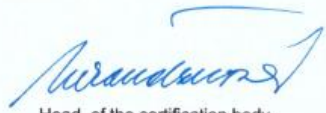
This certificate is valid till: **29.12.2021**

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

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 TUV®