



The info sprint from Aqua free

FLUSH 2.0 Automatic flushing unit for your water hygiene



FLUSH 2.0 prevents stagnation, biofilm and germ formation – by automatically, reliably and flexibly flushing systems at point of use. It fulfils all the requirements of drinking water standards and takes the strain off facility teams.

Introduction

Stagnation and biofilm

Hidden danger in the pipework

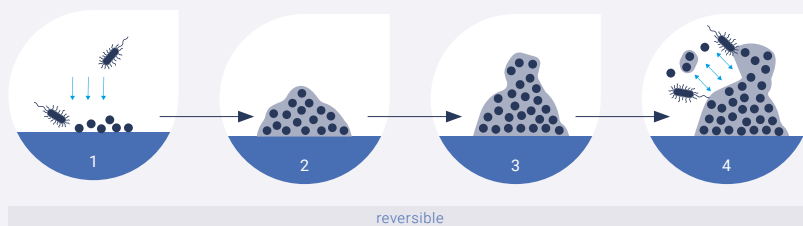
- As little as 4 hours of standstill in water pipes: Stagnation promotes microbial activity.
- Bacteria such as legionella and pseudomonads adhere to surfaces and form biofilm.
- Biofilm is a slimy protective layer in which germs can multiply undisturbed.

Safety through technology



- The germs are released irregularly from the biofilm – they are difficult to detect but highly infectious.
- The biofilm protects the germs from disinfection, heat, chlorine and UV – conventional measures are ineffective.

Stagnation + Biofilm = Invisible risk for drinking water hygiene



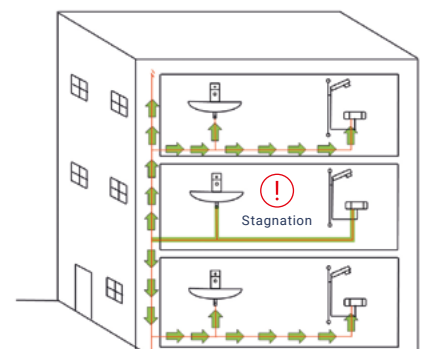
Risk: Biofilm can become firmly established within a few days – after that, only tough measures will help

- 01 – Adhesion of water germs on the surface
- 02 – Adhesion and mucus formation
- 03 – Biofilm maturation
- 04 – Balance between biofilm formation and detachment

Causes & practical relevance: How does stagnation arise in everyday

Typical scenarios:

- Vacancies (clinics, nursing homes, hotels, residential complexes)
- Irregular use (guest WCs, holiday homes)
- Structural causes (dead pipes, oversizing)
- Conversions, refurbishments, seasonal shutdowns



Solution approach: FLUSH 2.0

When water is flowing, the system remains hygienic

FLUSH 2.0 is a self-contained, battery-operated flushing unit for rarely used tapping points.

Advantages:

- Automated pipe flushing with cold and hot water (20 l / min)
- Compact, mobile, easy to install - and can be used at a water temperature of 0 – 90°
- Individually adjustable flushing cycles (1 – 72 h) and duration (30 sec. – 10 min.)
- Electronic overflow protection
- Compatible with common threads (M24, M22, G½")
- Protection class IP 68 – even in difficult conditions
- Flushing frequency according to standard: every 72 hours
- Flushing time per line: min. 3 – 4 min.



Practical experience report

Safe water hygiene in hospital operations

The FLUSH 2.0 was successfully used to ensure water hygiene as part of a collaboration with the British National Health Service (NHS). The challenge here was to utilise underused water outlets in hospitals, which posed a risk of water contamination due to stagnation. Legionella infestation increased significantly.

Converting the water installations would have been costly and time-consuming and would have resulted in major disruptions to ongoing hospital operations.

Solution:

The mobile FLUSH 2.0 units were installed directly at critical tapping points. The systems immediately ensured a regular flow of water and fulfilled all requirements in the healthcare sector (e.g. temperature and hygiene standards).

Result:

- Minimal business interruption: No complex installations or interventions required.
- Compliance and safety: Safe compliance with national and international hygiene and water standards.
- Fast, uncomplicated implementation: Ease of use and installation reduces the workload of hospital staff.
- Automatic safety functions: Reliable switch-off in the event of drainage problems.

"I will continue to use this device and can only recommend it."

– Darran Allen, General Manager of Estates, NHS

FLUSH 2.0 – Safe. Simple. Self-sufficient.

- Ensure the hygienic operation of your drinking water installation.
- Put your trust in Aqua free – your specialist for water hygiene.

More
information
under

