

# INFECTION CONTROL THROUGH WATER CONTROLS





## MODERN WATER MANAGEMENT

**We know water systems can become a source of pathogens and bacteria. Any moist or aqueous environment has the potential to serve as an incubator for waterborne microorganisms and has the potential for bacteria, such as Legionella and Pseudomonas aeruginosa, to thrive.**

While the problem and associated risks of waterborne pathogens have become better understood, the 'tools' that are available in helping to reduce this risk have remained largely the same. Couple this with complex water distribution systems and the difficult task of integrating all areas of the system, there are opportunities to improve many current water management regimes.

“Reducing waterborne infections is a challenge, but a challenge we can overcome.”

## THE CHALLENGE OF INFECTION CONTROL

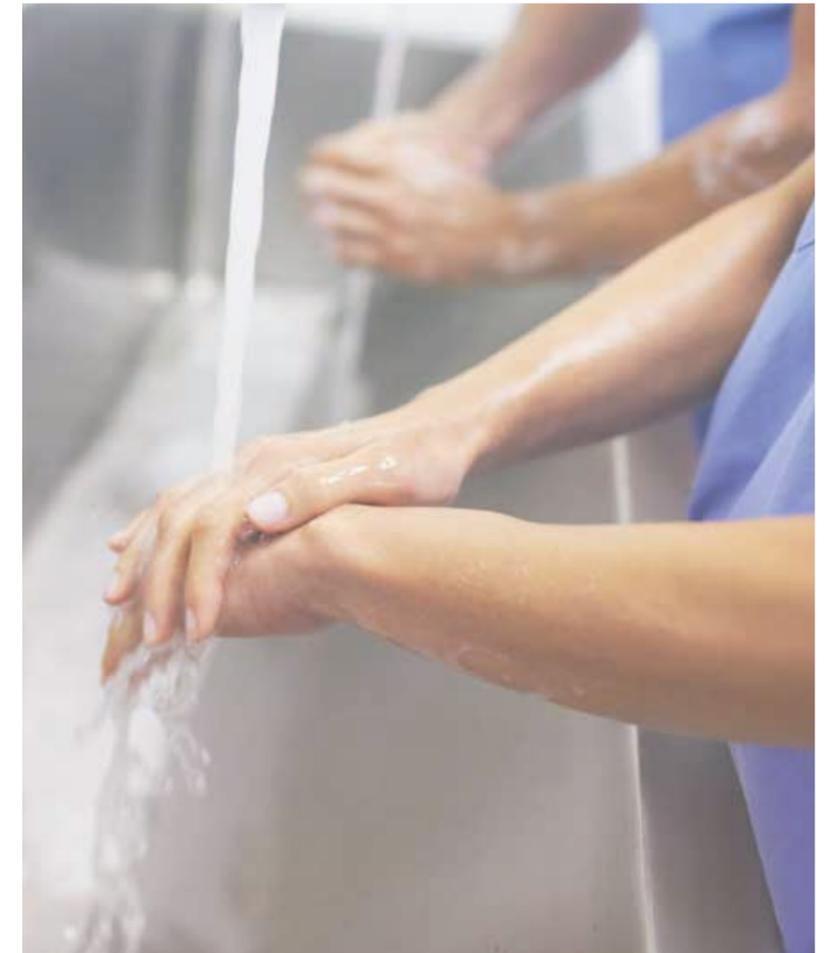
**Any premises where people interact with water should have an effective infection control regime.**

Potential exposure to bacteria and microorganisms via a contaminated water system can result in acute outlet contamination, infection and subsequent cross-infection.

The financial and resource demands this can place on a facility are significant. Yet it is the more pressing human cost and emotional strain on those infected and their families that is often incalculable.

Therefore, any premises where people interact with water should have an effective infection control regime. It is a crucial part of managing, operating and maintaining a healthy water system.

“An effective, modern water management approach sits at the very heart of tackling waterborne infections.”



## HELPING YOU MANAGE INFECTION CONTROL REGIMES

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**Global health guidelines provide specific guidance on reducing the risk of waterborne pathogens and improving user welfare. These include a range of hygiene disciplines and control regimes to manage the water system before and after the outlet, all focused on improving patient welfare.**

Some of the key points include:

- Temperature control: waterborne bacteria growth can be significantly reduced by storing water at a temperature of 60°C and distributing it so that it reaches outlets at 55°C within one minute.
- Control measures, such as duty flushing and thermal disinfection, to prevent water stagnation and to disinfect valves.
- Use of thermostatic valves due to their ability to accurately control temperature.
- Accurate record keeping and logs of infection control activity to be produced and kept to demonstrate compliance.

“Managing multiple hygiene disciplines in a busy environment is challenging, time consuming and resource intensive.”

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**GLOBAL**  
CODES AND STANDARDS



# LEADING THE WAY IN INFECTION CONTROL

**At Rada we believe people should be safe and secure using water controls and washroom products designed to reduce waterborne pathogens.**

In an ideal world washroom products should meet the twin demands of infection control and user safety and offer:



The result is compliance with global health guidelines and peace of mind that people will be safer and healthier.

At Rada we're uncompromising in our approach to reimagining the way our products are designed, made, installed and serviced.

**“Traditionally seen as more passive tools, modern taps and showers now play an active and intelligent role in preventing waterborne infection.”**



## FULLY NETWORKED DELIVERING PRECISION, PROVIDING ASSURANCE

**At Rada we've been pioneering the use of technology in washroom products and water controls in the fight against waterborne infections for many years.**

One of the most significant advancements in water systems concerns connectivity and the ability to network multiple outlets and data points.

Through the growth of the 'Internet of Things' we are increasingly able to harness the benefits from networked, connected and intelligent products and systems.

It offers new levels of functionality and control by fully automating previously labour-intensive hygiene disciplines and control measures and, importantly, recording the activity and creating a log.

The ability to automatically undertake hygiene disciplines and collect data is providing new ways of ensuring compliance and improving infection control regimes and people's wellbeing and safety.

**“The opportunity to better utilise technology to provide a more effective and efficient way of water management has never been greater”**

# THE RADA WAY

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**Rada has been at the forefront of designing and manufacturing water controls and washroom products across a range of sectors for the commercial buildings market for more than 80 years. It believes people should use taps, showers and water outlets designed to keep users safe, prevent waterborne infections and conserve resources.**

It's uncompromising in its approach to reimagining the way its products are designed, made, installed and serviced.

## **Rada – A Kohler Company**

Kohler brings together a number of market leading bathroom and shower brands including Rada, Kohler UK and Mira Showers. If you'd like to know more, please visit [www.kohlermira.co.uk](http://www.kohlermira.co.uk)

## **Rada – A Kohler Company**

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