Mistral

CRÉATEUR DE FONTAINES À EAU DEPUIS 1952

ToBeSure®

Bacteriological control of water from the first to the last drop



Secure fountains ToBeSure®

The assurance of a pure water source

Non-contractual images

The assurance of a pure water source

IN HEALTH ESTABLISHMENT

According to the technical guide for water established in 2005 by the french Ministry of Health, “in health establishments, water has many uses requiring specific qualities. It can constitute a source of serious infections, in the event of contamination, particularly for the most fragile patients. The main health risks linked to the use of water in health establishments must therefore be identified and evaluated in order to determine the means to be implemented to control these risks. »

IN BUSINESS

According to article R.232-3-1 of the french Labor Code (decree of May 7, 1993), “the employer must make fresh, drinking water available to its employees. »
Water is a source of well-being for employees: offering a quality refrigerated water point is an essential asset for the well-being of its employees.
A company therefore has every interest in installing a refrigerated water fountain.

DID YOU KNOW ?

SOME KEY DATA

Below are the microbiological elements for judging water quality as well as their target level :

+ Aerobic flora revivable at 22°C : < 100 UFC/ml
+ Aerobic flora revivable at 36°C : < 10 UFC/ml
+ Pseudomonas aeruginosa : < 1 UFC / 100 ml
+ Escherichia coli : < 1 UFC / 100 ml

(Non exhaustive list)



Potability and bacteriological control

A regulatory framework on water quality that is tightening

Directive 98/83/EC sets requirements at European level to be respected regarding the quality of water intended for human consumption. This directive was transposed into French law in the public health code, in articles R. 1321-1 to R. 1321-66.

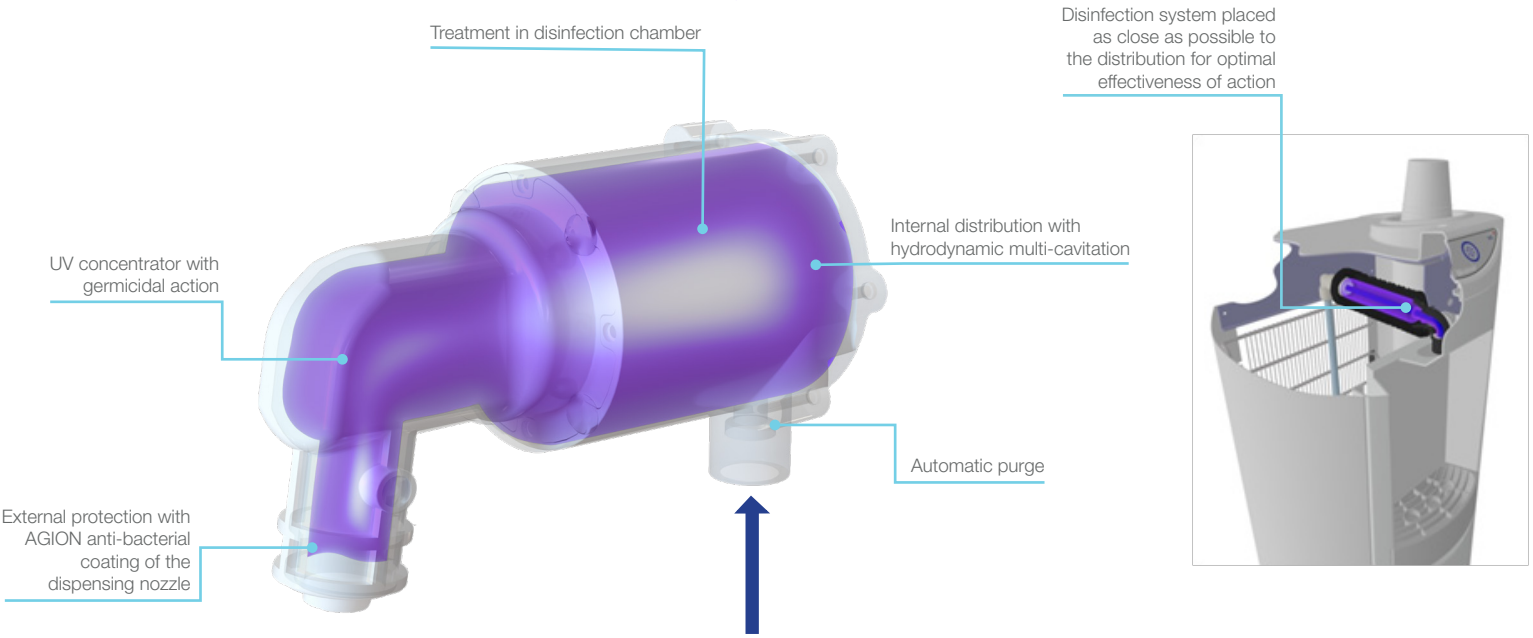
The decree of January 11, 2007 sets quality standards to be respected for a certain number of substances in drinking water including chlorine, limestone, lead, nitrates, pesticides and bacteria. Current standards require strict control of the germs present, knowing that some are naturally found in the intestine of humans and mammals. Clarification and disinfection treatments can eliminate them effectively.

In healthcare establishments, water quality management is a real issue for which each establishment head takes responsibility. Also, a book, entitled Technical Guide for Water, has been specially written for health establishments so that they can be vigilant and alert regarding the management of the quality of their water.

In this guide, the risks of microbiological contamination are identified so that health establishments become aware of the risk factors linked to the distribution of drinking water:
- Stagnation of water in the circuits due to a long period without use
- Biofilm formation
- Back-contamination of the distribution point by air or user contact

CERTIFICATIONS ToBeSure®

ToBeSure® effective continuous hydration and secure until the last drop



Efficient and effective, the ToBeSure® system instantly eliminates bacteria and germs contained in water. In just a few milliseconds, the water we drink is freed from the micro-organisms that clog it, leaving only the best: pure water !

To improve system reliability, an advanced security mechanism has been integrated into the distribution. The reactor continuously monitors its operating status and, in the event of an anomaly detected, automatically interrupts distribution in order to prevent any potential risk.

Below, this example of a test bench, carried out on ToBeSure® systems in real use conditions, very clearly demonstrates the effectiveness of the system in contaminated areas. Throughout its lifespan, the ToBeSure® disinfection system is a true anti-bacterial weapon from the first to the last drop:

Deliberate reverse contamination	Calibration 3 liters / min	TBS LED			LOG AVERAGE
		500H	1.000H	2.000H	
ESCHERICHIA COLI NF EN ISO 9308-1 • germs per 100ml	1 200 000	0	0	0	> LOG6
PSEUDOMONAS AERUGINOSA • germs per 100 ml	1 600 000	0	0	0	> LOG7



ToBeSure® an innovative high-performance system

ToBeSure® is an innovative system patented to be the solution for purifying water distributed by fountains.
Composed of an environmentally friendly UV disinfection system (LED), ToBeSure® is innovative thanks to its effectiveness of action in 5 stages: the water from the network is first injected through hydro-dynamic cavities as close as possible to the UV source, then pre-treated to optimize the reception of UV radiation in the disinfection chamber. Just before being delivered, the water then passes through a UV concentrator which accelerates the ultraviolet treatment up to the point of distribution to finalize the water purification treatment. Finally, the water distribution nozzle is treated with AGION, an effective antibacterial coating to avoid any back-contamination.

In addition to being effective, ToBeSure® displays long-term effectiveness since it will remain fully functional throughout the life of the equipment.
A low energy consumption system that is activated only a few milliseconds before distribution, ToBeSure® costs only €1 in electrical energy over its entire lifespan.

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ToBeSure®

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