

Product Information: miscea Coldstream Filter System



How safe is your drinking water?

Research has shown the water you drink - whether it's from the faucet or bottled water from a store - may not always be as safe as it could be. Water infrastructures around the world vary significantly in their effectiveness to provide clean, safe drinking water. Even in countries with advanced water sanitation and mild climates, there have been microbiological outbreaks in drinking water supplies.

Advances in industrialization and agriculture have been accompanied by the contamination of water courses with chemicals, heavy metals, herbicides, pesticides pharmaceuticals and now also microplastics. The consequence of prolonged exposure to these contaminants can result in acute and chronic health problems.

The importance of safe water in healthcare settings

The water systems within buildings are often contaminated with particulate matter and microorganisms such as Pseudomonas, E. coli, Mycobacterium and Cryptosporidium. These contaminants in the water system of medical facilities and other places where healthcare is provided, can be detrimental to the health of immunocompromised patients.

A patient may not even need to have used a water outlet to become infected. Pseudomonas for example, can be found on healthcare professionals hands when washed with contaminated tap water. Using an effective inline water filter at the point of use such as the miscea Coldstream Filter System as a part of a water safety strategy can help to reduce the risk of nosocomial infections in healthcare settings.

Access to clean, safe drinking water is essential to public health.

miscea Coldstream Filter System

The miscea Coldstream Filter System is an inline water filter system that consists of a ceramic water purifier cartridge encased in a stylish, high-quality, stainless steel housing. It is a single stage water filter that is installed directly under the sink and can be connected to your miscea sensor faucet system for clean, safe, and healthy water. Using 3 layers of filtration in a single cartridge, the miscea Coldstream Max Filter effectively and simultaneously **protects against over 70 known water contaminants**, including:

- Chemicals
- Heavy metals
- Bacteria
- Pesticides & herbicides
- Viruses
- Particles and microplastics
- Pharmaceuticals
- Limescale

Antibacterial Sterionuklide Aerator + Automatic Flush

The Sterionuklide Aerator has antibacterial properties to protect against contamination at the water outlet and only needs to be changed **once every 5 years**. This combined with the automatic flush function of miscea sensor faucets and the miscea Coldstream Filter System will provide the ultimate protection for safer water instantly at the point of use.





What is in your water?

The water we drink should contain balanced levels of essential minerals, such as calcium, magnesium and potassium. It has been shown that these reduce cardiovascular disease and have other health benefits.

Drinking water should not contain harmful micro-organisms, bacteria, cysts and viruses and it should be free from contamination of chemicals and heavy metals.

The water that comes out of faucets is sourced from lakes, rivers or deep underground. It is then treated and purified with various chemicals in water plants, where it then travels in large pipes underground to cities and buildings. Here the water then often runs through narrow pipes which may have corroded inner surfaces and dead ends where the water could stagnate and warm up. These conditions are ideal for biofilm formation where bacteria and other harmful micro-organisms can survive and multiply.

WHAT IS BIOFILM?

Biofilm is a layer of slime that can host harmful bacteria, amoeba, algae and other micro-organisms. In the right conditions, biofilm can develop quickly within water distribution networks even if the water meets drinking water criteria.

Thick biofilm can form on the surfaces inside water pipes under low flow conditions. Biofilm particles can break off and colonize in other parts of the water network which then makes it extremely difficult to eradicate once a water system is contaminated with biofilm.



PROTECTION AT THE POINT OF USE

Large buildings often have complex water systems and not all parts of the network can be reached by systemic disinfection procedures. Treating the water with chemicals can eliminate free floating bacteria but it is often ineffective against biofilm and may result in hazardous by-products during use.

Other methods, such as heat and flush procedures may only have short term effects. It has been reported, some strains of Legionella can actually become heat resistant after heat treatments over time. Additionally, thermal procedures could have undesirable effects if the hot and cold water pipes are located too close to one another. This could increase the risk of biofilm in cold water due to warming up of the cold water.

As an additional control measure to ensure harmful bacteria, viruses and other contaminants are removed from the water directly at the point of use, the miscea Coldstream Filter System can be conveniently installed under the sink to effectively minimize the risk of transmission of waterborne pathogens.

Benefits of the miscea Coldstream Filter System

1. MAX PROTECTION

Hassle free protection against contaminants direct at the faucet with miscea Coldstream Filter System, antibacterial Sterionuklide aerator and miscea automatic flush function.

2. COST EFFECTIVE

Less resources spent on purchasing bottled water, de-scaling appliances, and cleaning fittings or surroundings.

3. REDUCES PLASTIC WASTE

Using filtered water negates the need to buy bottled water, meaning less plastic is used.

4. GENTLE ON APPLIANCES

Inhibits limescale so you can enjoy appliances and sanitary fittings, for longer.

5. SAFER WATER

Use filtered water to reduce the risk of microbiological outbreaks and transmission of waterborne pathogens.

6. BETTER TASTING WATER

Removal of water contaminants results in cleaner and better tasting water.

7. EASY TO INSTALL

Install directly under sink at point of use for maximum protection against contaminants.

8. BETTER FOR YOUR HEALTH

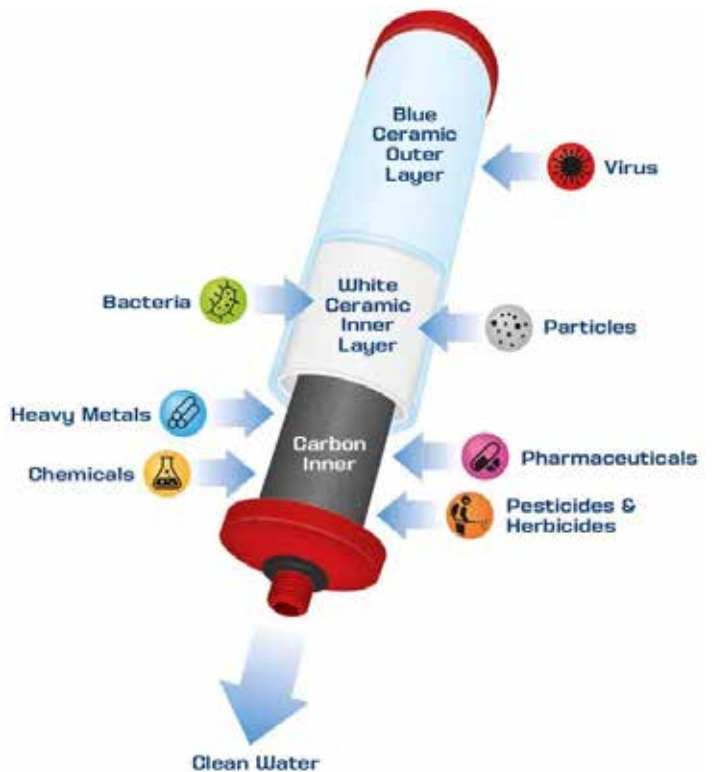
Effective protection against contaminants in water reduces risk of developing acute and chronic illnesses.

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How does the miscea Coldstream Filter work?

The three principles used in the miscea Coldstream Filter System that work to keep your water safe are adsorption, entrapment and biocide. The ceramic in the filter has a complex porous structure made from a range of naturally occurring materials in the earth. Each layer in the filter is designed to protect against different contaminants in the water.

- The inner carbon core protects against chemical contamination, including pesticides and herbicides through the process of adsorption. Adsorption is the adhesion of atoms, ions, or molecules from a gas, liquid or dissolved solid to a surface.
- Surrounding this is a unique white ceramic middle layer that removes particles and microplastics through entrapment and it also provides maximum anti-bacterial protection.
- The outer layer is the duck egg blue ceramic containing antimicrobial properties, which helps to eradicate any waterborne pathogens.



PERFORMANCE DATA

The miscea Coldstream Filter System has been tested for removal performance for over 70 contaminants simultaneously. It is one of the most cost-effective filtration systems that requires no power, filters 100% of water used and leaves behind only essential salts and electrolytes for safe and healthy water. In comparison with other filters, independent product test results of the miscea Coldstream Max Filters shows them to be the most effective at removing the widest range of contaminants found in water supplies worldwide and they outperform many reverse osmosis systems.



BACTERIA

99.9% removal of bacteria and cysts* like E. coli, Shigella, Cryptosporidium and Giardia.



VIRUS

99.9% removal of viruses and disease-causing micro-organisms, like Rotavirus.



PARTICLES

99.9% removal of particle class 1, incl. microplastics.



HEAVY METALS

99.9% removal of heavy metals incl. lead and mercury.



PESTICIDES & HERBICIDES

99.9% removal of pesticides and herbicides, incl. DDT.



PHARMACEUTICALS

99.9% removal of pharmaceuticals.



CHEMICALS

99.9% removal of volatile organic chemicals*, nitrates, nitrites, chlorine and chloramine.



SCALE INHIBITOR

Effectively inhibits scale in hard water areas*

*For testing information and the full list of contaminants the miscea Coldstream Max Filter offers protection against, please contact berlin@miscea.com for the product data sheet.

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miscea Coldstream Filter System Double Set

This kit is best suited for the miscea CLASSIC and miscea KITCHEN sensor faucet models where one filter will be connected to the hot water supply and the other to the cold water supply.

Package contents include:

- 4 x connectors
- 2 x stainless steel filter housings (filter cartridges sold separately)
- 2 x filter mounting brackets
- 2 x 3/8" metal braided tubes
- 2 x Insulator cases
- 1 x key tool for removal of miscea aerator
- 1 x key tool for removal of miscea water outlet
- 1 x antibacterial Sterionuklide aerator + key
- 1 x miscea Aqualibur water outlet (stainless steel) + key
- Installation kit
- Instructions

miscea Coldstream Filter System Single Set

This kit is best suited for the miscea LIGHT sensor faucet model and in applications where an instantaneous hot water heater is used.

Package contents include:

- 2 x connectors
- 1 x stainless steel filter housing (filter cartridges sold separately)
- 1 x filter mounting bracket
- 1 x 3/8" metal braided tubes
- 1 x Insulator case
- *1 x key tool for removal of miscea aerator
- *1 x key tool for removal of miscea water outlet
- *1 x antibacterial Sterionuklide aerator + key
- *1 x miscea Aqualibur water outlet (stainless steel) + key
- Installation kit
- Instructions

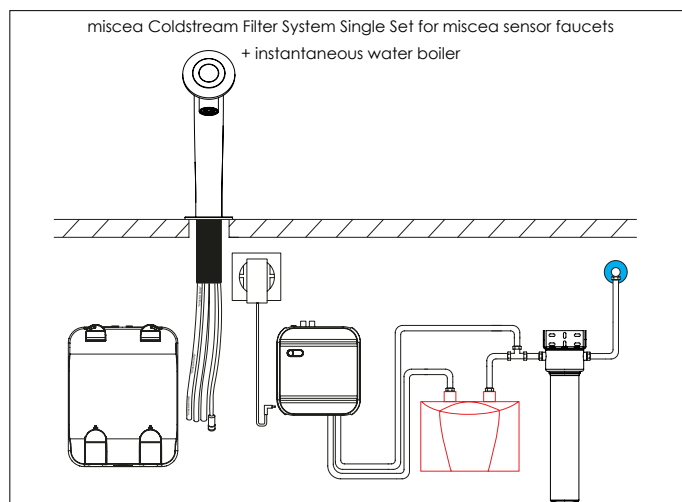
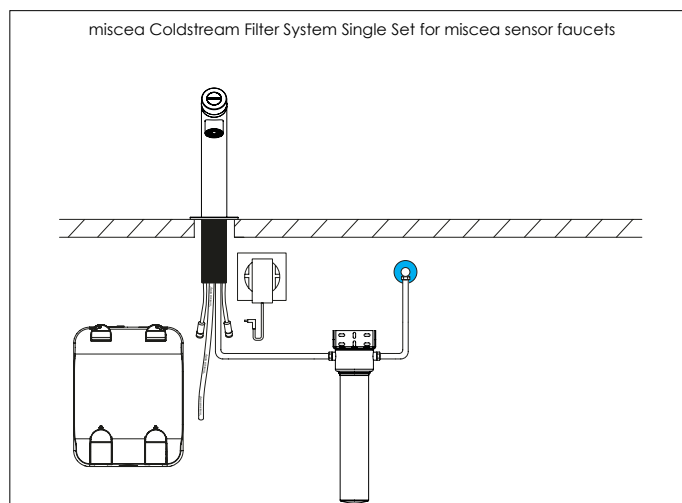
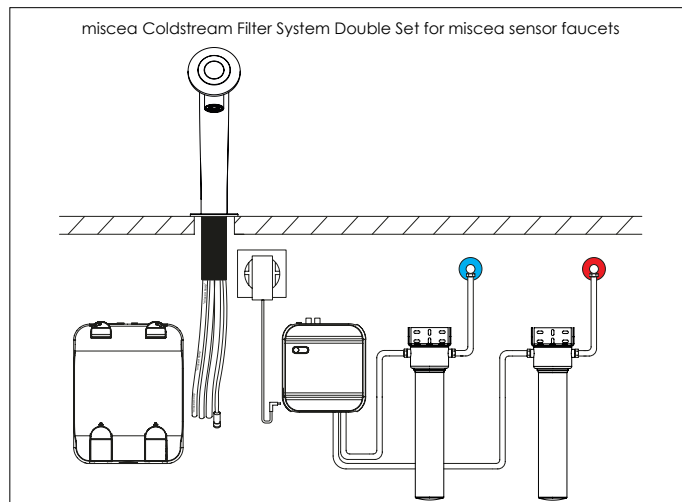
*Item not included in product article number S02078001 - miscea Coldstream Filter System Basic Set for manual fittings.

TECHNICAL SPECIFICATIONS

miscea Coldstream Filter System			
Operating Pressure Range	Rated Capacity	Operating Temperature Range	Rated Flow
0.6 – 8.6 bar	6000L	5°C – 70°C	2.5 - 4.5 L/min
Please replace the filter cartridge every 6 months.			

Product set up with miscea sensor faucet systems

Setting up the miscea Coldstream filter with new or existing miscea sensor faucets is simple. There are 2 available sets for different miscea sensor faucet systems.



PRODUCT NAME	PRICE €	ART. NR.
miscea Coldstream Filter System Single Filter Set for sensor fittings	275,00	S02076001
miscea Coldstream Filter System Double Filter Set for sensor fittings	495,00	S02077001
miscea Coldstream Filter System Basic Set for manual fittings	255,00	S02078001
miscea Coldstream Max Filter Cartridge 4 Pack	195,00	S02079001