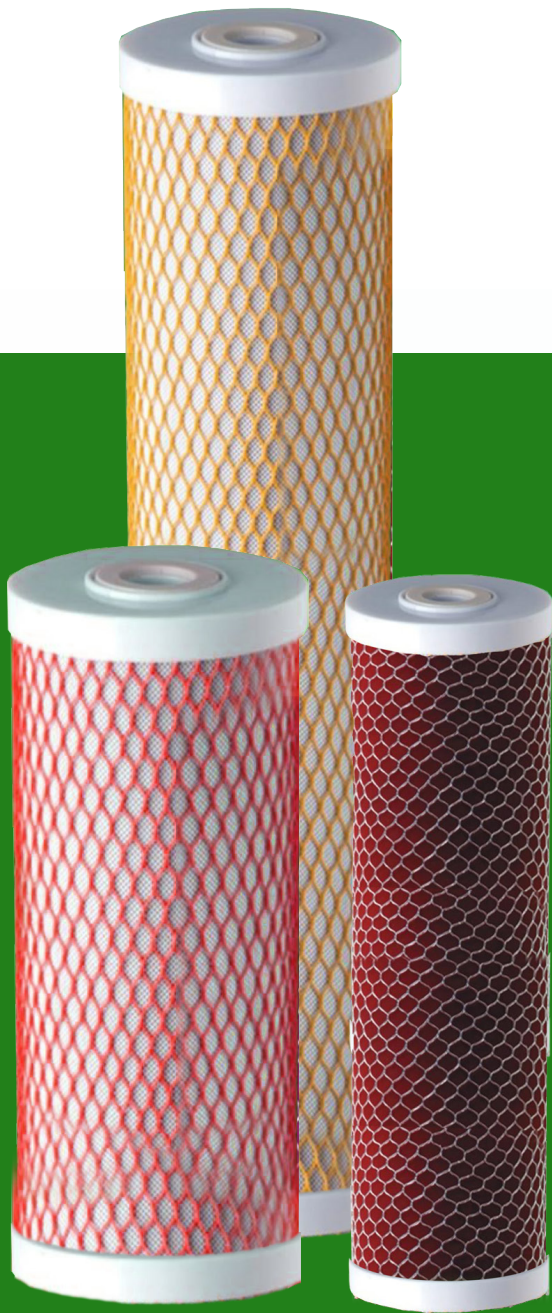


# ARAGON - PLUS

## FILTER CARTRIDGE



### Perfect for both Potable and Non-Potable Water

This unique cartridge is based on the innovative, patented Aragon Media. It has been extensively tested by Certified Laboratories in Europe, to effectively remove chemicals, pesticides, bacteria and heavy metals as well as sediment down to  $>2$  microns.

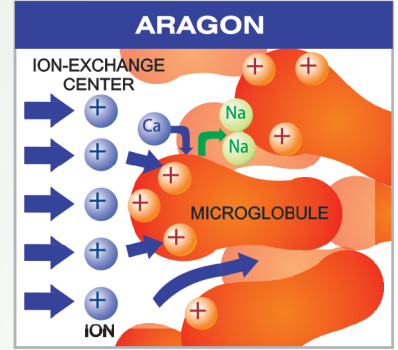
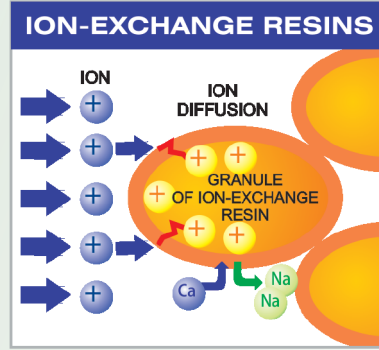
This high quality extruded carbon block cartridge is equally effective at purifying both hot and cold water.



# Manufacture

Developed in Europe, the new SGS-polymers (space globular structure) material for water purification combines 3 types of filtration: mechanical, sorption and ion-exchange, making this filter the best to date at removing the widest range of contaminants.

Long polymer chains are formed in the production process, providing a porous yet mechanically strong structure. These polymer chains are coated and enable a highly effective ion exchange process.



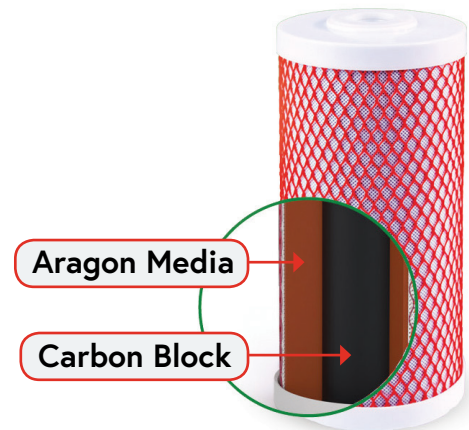
**This method of SGS-polymer filtration is up to 20 times more effective than common methods of ion-exchange.**

# Filtration Process

Mechanical impurities are filtered out through the surface layers with extremely high accuracy.

SGS-polymers have shown the best results in the complex removal of harmful impurities. Elements and compounds including heavy metals and radioactive materials are removed through ion-exchange and sorption mechanisms.

The Aragon solid block material is a bacteriostatic polymer made from additives of silver and granules of ion-exchange resins. Hardness salts, dissolved and colloidal iron, heavy metals and their compounds are removed through the resin and polymer ion-exchange properties. The Aragon filters capacity also provides removal of active chlorine, chlorine containing compounds and organic compounds.



**The tested Aragon cartridges have shown 100% water decontamination efficiency from viral pollution.**

- The Research Institute of Human Ecology and Environmental Health

## Specifications

### Max Flow Rate:

- 10" Big Blue..... 25 litres p/m
- 20" Big Blue..... 50 litres p/m

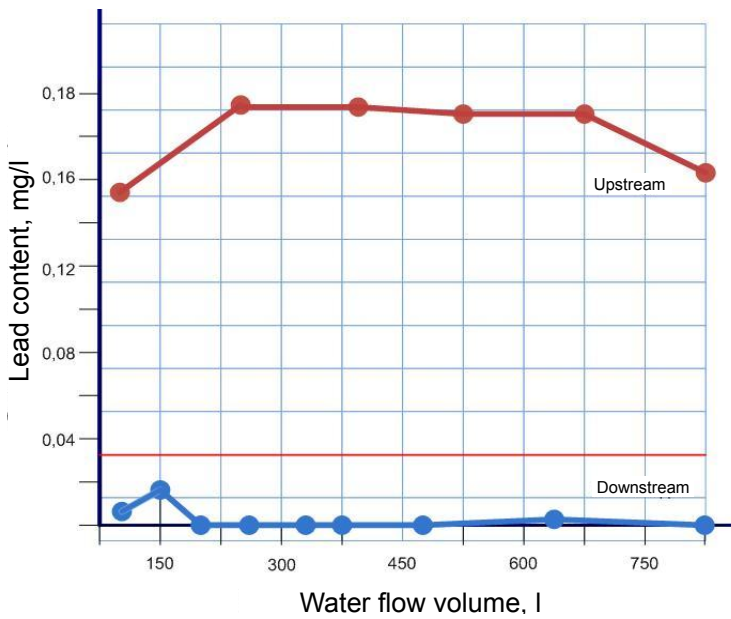
Water Temperature..... +4°C to +75°C

### Filter Life:

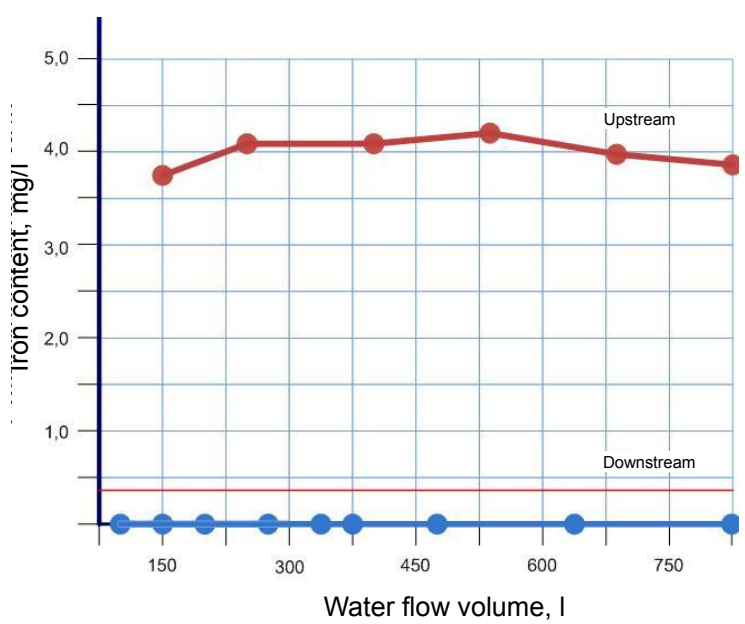
- 10" Big Blue..... 30,000 litres
- 20" Big Blue..... 60,000 litres

# Heavy Metal Removal

## Example: Lead Removal Efficiency

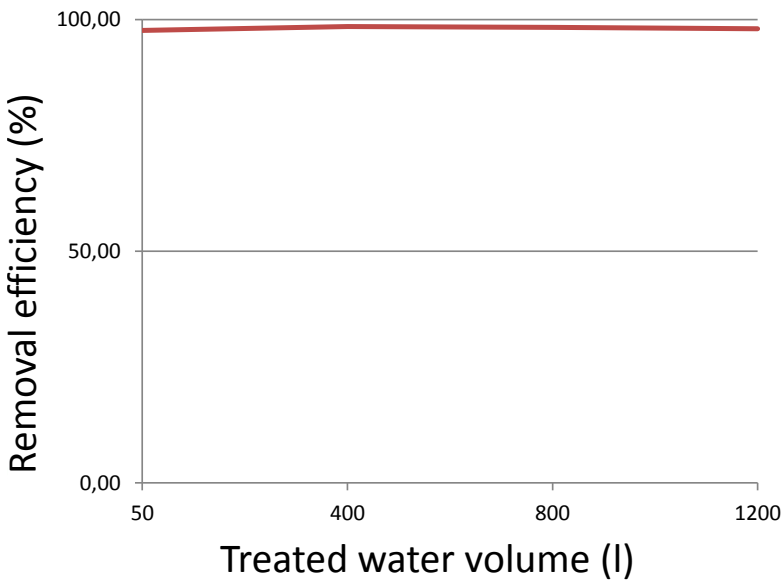


## Example: Iron Removal Efficiency



# Pesticides Removal

## Example: Simazin Removal Efficiency



### Filtration Efficiency

Particles >2 microns.....	99.999%
Lead, zinc, cadmium, cesium.....	95%
Chlorine.....	100%
Chloramines.....	>90% +
Pesticides.....	92%
Iron.....	90%
Aluminium.....	97%
Turbidity.....	99%
Oil Products.....	90%

## Tested and Approved by:



The Research Institute of Epidemiology and Microbiology



The Research Institute of Influenza



Università di Ferrara



Institut Pasteur de Lille



The V.G. Khlopin Radium Institute



The S.M. Kirov Military Medical Academy

# Overview

**Aragon represents the most up-to-date technology for water treatment and viruses, bacteria and cysts removal. That makes it possible to get completely safe and health-promoting water without boiling.**

- ✓ This filter can be used as well as the main element in water treatment and decontamination systems and as one of the pretreatment stages, e.g. as a part of the membranes protection against bio contamination.
- ✓ The Aragon Plus is comparable to polymeric UF/MF membranes (that are for domestic use) in efficiency. But it has greater productivity and significantly lower pressure drop.
- ✓ Provides higher efficiency of filtration and kinetic absorption as compared to standard nonwoven fabrics including granular activated carbon.
- ✓ Absolutely environmentally-friendly. It can be used for potable water treatment and decontamination according to GOST R 51871-02, 51232-98.



**"The ARAGON BIO filter removes 99.9% of human pathogens, i.e. rotaviruses and noroviruses, from water."**

- The Research Insitute of Influenza

**COMING SOON**  
10" and 20" Screw-In style



**ARAGON - PLUS**  
FILTER CARTRIDGE

**Made in Europe**