

STATIONARY WATER  
FILTER



# GEYSER MAX

FOR HARD WATER

## MANUAL

for installation and operation of a  
HOUSEHOLD FILTER



HOUSING:  TRANSPARENT  WHITE

**Thank you for choosing Geysler water filter!**

Our developments and technologies allow providing with the water perfect quality in your house. All functionality capabilities, an also a method of installation of the water purification system Geysler are described in this manual. Please read it carefully and retain for future reference. The water purifier set includes all parts required for using immediately after the installation.

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## APPLICATION

Geyser MAX is designed for efficient purification and softening hard water. Due to latest innovative filtration media –cartridge Aragon Max and special combination of ion-exchange resins AquaSoft, the ability of filter Geyser MAX to eliminate scale is 6 times more than that of traditional systems for the water softener! As a result, you can get clean and healthy water for a year, and the filter does not require periodic maintenance (regeneration).

Geyser MAX filter includes all known water treatment methods: mechanical filtration, ion exchange, adsorption, iron removal and disinfection. Quasisoftening effect of material Aragon (patent №2286953) allows water to saturate with the beneficial calcium (aragonite). Filter Geyser MAX features a fundamentally new sequence of stages, so the whole system guarantees high resource and stable highly effective purification from excessive hardness, chlorine, iron, heavy metals, bacteria, and other contaminants throughout the lifetime. Useful elements such as calcium and magnesium remain in purified water.

The Geyser MAX system uses cartridges Slim Line 10" standard.

Cartridge Aragon Max is made of the Aragon material (patent №2203721 and 57142) and has all of its advantages:

- High efficient removal of impurities (salts hardness, iron, heavy metals, radio nuclides, chlorine, et al.).
- Active silver in indelible form suppresses reproduction of retained bacteria.
- Selfindication of life-time – appearance of scale or reduced water pressure indicates the need to replace the cartridges.
- Release prevention: all the filtered impurities are permanently trapped in the labyrinth structure of the cartridge.
- Quasisoftening - during filtration through a cartridge Aragon water saturated with useful form of calcium - aragonite (prevention of cardiovascular disease). Purified water does not form deposits on the heating elements after boiling.

## SPECIFICATIONS OF GEYSER MAX FILTER

First stage	Second stage	Third stage	Housing	Application
AquaSoft	Aragon Max	CBC Ag	white transparent	hard water

## CARTRIDGES

**AquaSoft** cartridge removes from water excessive hardness salts. Filter medium is a special blend of ion-exchange resins of food grade quality. The medium allows customer to prolong capacity for the entire period of work.

**Aragon MAX** is unique cartridge designed to purify the hard water. Due to the presence of special ion exchange resins and balanced structure of the material of Aragon ensured uninterrupted and quality operation of the cartridge during resource - 1 year.

**CBC Ag (carbon block)** is cartridge made of activated coconut carbon. It efficiently removes organic and chlorinated organic compounds, free chlorine, unpleasant odors, improves all organoleptic characteristics of water. Silver impregnated in the cartridge provides a bacteriostatic effect during the entire period of service.

## REQUIREMENTS FOR SOURCE WATER

Suspended solids content - not more than 8.0 mg / l;

Total iron content - not more than 0.3 mg / l;

Color - not more than 30 degrees in platinum-cobalt scale;

Permanganate oxidation index - less than 5.0 mEq / L.

## EFFICIENCY OF WATER PURIFICATION

Suspended solids (rust, sand, algae, and other particles) greater than 0.1 µm	100%
Radioactive and heavy metals (lead, cadmium, copper, strontium-90, cesium)	up to 99%
Active chlorine	100%
Organic compounds	up to 92%
Hardness salts	up to 50%
Microorganisms and E. coli	99%
The reducing scale	up to 85%

## AVERAGE LIFE TIME FOR CARTRIDGES

Cartridge	Life time, months.*
Akvasoft	12
Aragon MAX	12
CBC Ag	12

The total resource of the system is up to 12 000 l \*\*

\* Depends on the contamination of the source water

\*\* For water hardness upto 3 mEq / L

## TECHNICAL CHARACTERISTICS

Dimensions of assembled filter (not longer), mm	380x310x140
Recommended filtration rate (max)	1,5 l/min
Maximum operating pressure	7 atm
The temperature of the treated water	+4...+40 °C
Net Weight (max)	6,5 kg

## FILTER'S COMPONENTS\*



1. Filter assembled
2. Wrench
3. Bottom plug wrench
4. Purified water faucet (ver. 6)
5. Decorative cap
6. Rubber gasket
7. Plastic washer
8. Fastening nut with a washer
9. Piston
10. Collet clamp nut 1/4"
11. Plastic stopping ring
12. Connecting tube 1/4"
13. T-piece adapter with a faucet knob
14. Instructions
15. Package

## INSTALLATION

Installation should be made by a qualified technician or by representative of the manufacturer! In case of independent installation strictly follow these instructions. It is not recommended to disassemble factory connections without a reason.

**Attention!** All filter housings have been tested for tightness at high pressure.

In order to avoid cracking of Aragon cartridge it should always be kept moist. At breaks in use of the filter more than 1 month, ensure that the filter housing contain water.

**Attention!** In case of high pressure in the system (> 6 bar) reducing valve should be installed before the filter.

Before starting installation, shut off the cold water valve and release the pressure by opening any valve located downstream of the water supply.

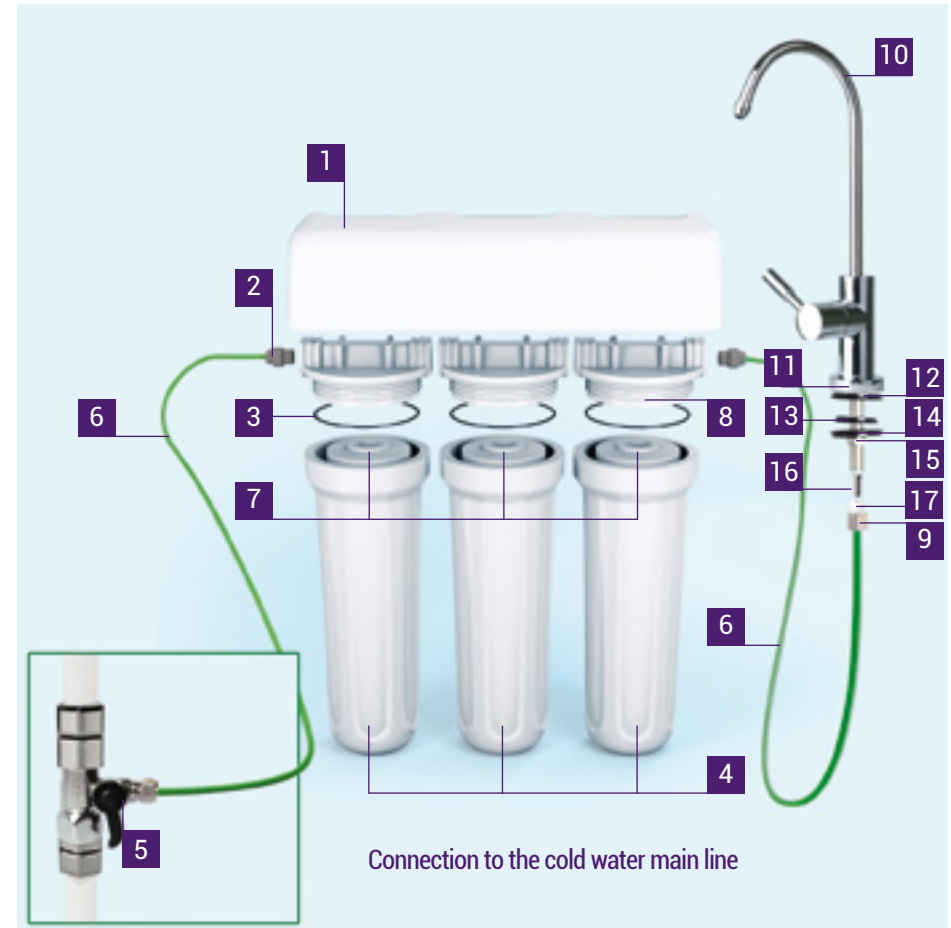
Before installing, make sure the filter is securely tightened bulb (if necessary - tighten), and make the connection according to the instructions.

**Attention!** The position of vertical labels exactly in the center front of the filter does not guarantee the tightness of the connection. Position of labels can change when tightening the threaded connection.

\* Parts at the picture may differ from the actual items;

\*\* Manufacturer reserves the right to make improvements in the product packaging without reflection in this manual.

## CONNECTION SCHEME



- |   |                                      |    |                            |
|---|--------------------------------------|----|----------------------------|
| 1 | Bracket                              | 9  | Nut chuck 1/4"             |
| 2 | Adapter 1/2"x 1/4"                   | 10 | Faucet                     |
| 3 | Ring sealing                         | 11 | Decorative cup             |
| 4 | Cartridge housings                   | 12 | Rubber gasket              |
| 5 | Tee adapter with valve               | 13 | Rubber gasket              |
| 6 | Pipe coupling 1/4"                   | 14 | Plastic washer             |
| 7 | Cartridges                           | 15 | Nut fastener with a washer |
| 8 | The covers of the cartridge housings | 16 | Piston                     |
|   |                                      | 17 | Plastic stopping ring      |

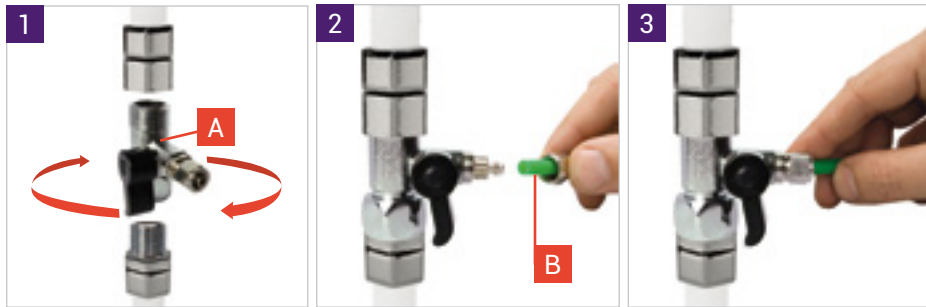
## THE ORDER OF CONNECTIONS

The system is connected to the cold water main line. Remove the filter from the package. Remove the transport seals. To do this, press the collet to the housing of the fitting and remove the plug without effort (Fig. 1). Cut the tube connection set for 2 pieces and connect each input and output of the filter. **Attention! Input - the first stage. Output - the third stage.** Install the filter in a convenient location for operation.



## CONNECTION TO THE WATER MAIN LINE

1. Install the tee adapter (A) on the cold water pipe, sealing the connection (Fig. 1).
2. Insert the nut (B) into the plastic tube (Fig. 2). The tube insert in the ball valve fitting until it stops and tighten the nut (Fig. 3).

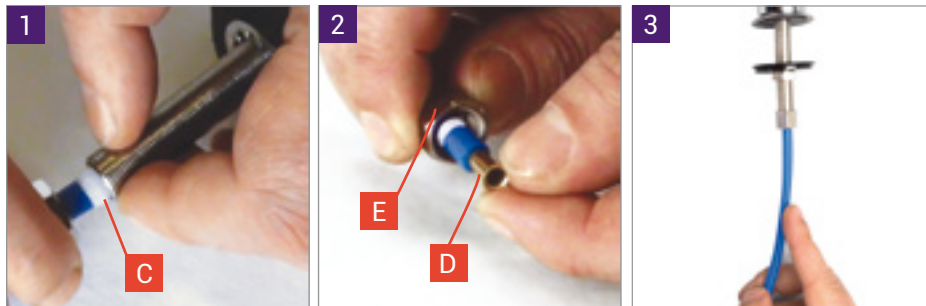


## CONNECTION OF THE TAP OF CLEAN WATER

Drill a hole in the sink with a diameter of 12 mm. Make assembly of the tap in the following sequence:

1. Tap
2. A cup decorative
3. The rubber gasket
4. Plastic Washer
5. The rubber washer
6. The nut fastener
7. The lock washers

Secure faucet to sink. Thread the blue tube into the nut (E) (Fig. 2). Insert piston (D) into the tube until it stops. Put the plastic stopping ring at the end of the tube (C) (Fig. 1). Screw the nut onto the threaded rod of the tap (Fig. 3).



## GETTING STARTED

**Wash the filter before use within 10 minutes at a flow rate about 3 liters / min.** Washing of the filter should be performed after each replacing the cartridges, and after a long (more than 5 days) a break in service.

**After installing a new filter or changing the cartridges the air could remain inside the system. This leads to excessive aeration of water (the water can be visually milky-white). As the operation of the air filter system will leave, and the purified water get clear.**

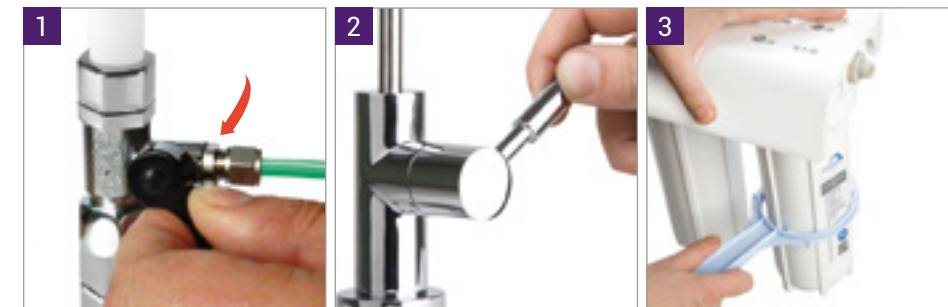
## FILTER SERVICE

Service	Cartridge	Type of service
Appearance of scale / decreasing of water flow	Aragon MAX/Akva-soft	Change the set of cartridges
Decreasing of purification quality	CBC Ag, MMB	

At the end of the resource and life time of cartridges, they must be replaced

## REPLACEMENT THE CARTRIDGES FOR I, II, III STAGES

Shut off the water inlet (Fig. 1). Open the clean water valve for pressure relief in the system (Fig. 2). Using the wrench, open the filter flask (Fig. 3), check the O-ring and replace it if necessary, and then change the appropriate cartridge (Fig. 4, 5).



It is recommended to grease O-ring with silicone grease before re-installing (do not mix up with a sealant) or Vaseline. Place the flask and tighten the key.

Check for leaks (fig. 6), opening the water supply to the filter. The system is ready for operation.



**ATTENTION!**

it is recommended to use «Geyser» replacements for replacing elements.  
Use of unrecompensed replacements may lead to a change in the functional and technical characteristics of the water treatment system.

**CAUTIONS, STORAGE AND TRANSPORT**

Keep the filter and cartridge from bumps, drops, exposure to freezing temperatures or direct sunlight. Transportation of filters allowed in any enclosed vehicles (other than non-heated compartments of aircraft) in accordance with goods transportation rules, operating in this mode of transport.

Storage of filters should be provided in packaged form, at a distance not less than 1 meter from heaters. Do not expose aerosols, corrosive and odorous substances. Disposal should be provided in accordance with the sanitary, environmental and other requirements established by national standards in the field of environmental protection.

**WARRANTY**

The warranty period of the filter operation is 5 years from the sale date. In the lack of the sale date and a stamp of the trading organization the warranty period shall commence at the date of the filter manufacture. The warranty does not apply to cartridges. Their service life is specified on page 3. In case of detection of manufacturing defects cartridges are replaced only after the expertise carried out by the customer service's representatives.

The manufacturer declines any liability for the filter's work and possible consequences in cases, if:

- the filter and its components have mechanical damages;
- requirements of this manual were not observed during connection and operation;
- cartridges are worn out;
- the filter was used for purposes other than intended (for purification of subversive liquids).

The filter's service life is 10 years.

The maintenance and post-warranty repair are carried out by the manufacturer or its destination representatives.

The customer service guarantees the free-of-charge troubleshooting in connections and attachments of the filter occurred due to the fault of the manufacturer's representative during works for the filter installation within 6 months.

Storage time is 3 years.

**QUESTIONS CONCERNING THE WARRANTY MAINTENANCE SHOULD BE REFERRED TO:**

**WARRANTY CARD**

Issuing date

**The trading organization shall fill**

Sale date \_\_\_\_\_

Stamp of a store \_\_\_\_\_

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