



Blue Boson

Home

EFFECTOR®

FOR USE IN DOMESTIC INSTALLATIONS

USER MANUAL

Please read all instructions carefully before starting the installations



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1. General information

The subject of the manual is the Blue Boson Home Effector® set, which uses an innovative, patented technology from 25 years of development and research by Blue Boson company to change the physicochemical properties of water. Correct installation of the device is essential to obtain the maximum benefits it provides.

2. Service

In the event of any need related to the operation, maintenance or ordering of spare parts, the customer is asked to contact the recommended service directly by the manufacturer. Table 2.1 shows a list of service contact details.

Table 2. 1

Service	Contact
servis@blueboson.eu	+421 903 462 169

3. Guarantee

The manufacturer provides a guarantee for the delivered, efficiently operating devices, used in accordance with their intended use and the instructions contained in this documentation.

The Effector® device is covered by a 5-year warranty. Water filters should be replaced according to the Manufacturer's recommendation, every 3 - 6 months.

The guarantee does not cover damage caused by:

- transport and / or handling through a company other than the cooperating company with the Manufacturer without adhering to the standards
- errors of an installer not related to the Manufacturer's service
- errors caused by inspection services performed by uncertified fitters, not related to companies cooperating with the Manufacturer
- failures and / or damages that are not the result of a malfunction of the device
- consumption of materials resulting from normal use
- assembly of additional parts and subassemblies without the consent of the Manufacturer
- cases beyond the manufacturer's control

The buyer loses the warranty rights in the event of:

- failure to follow the recommendations contained in this documentation,
- installation of the device not in accordance with the guidelines,
- failure to perform the inspections on time,
- the Buyer or third parties perform independent repairs, modifications and alterations inconsistent with the terms of the Manufacturer's warranty

4. Principle of operation

The Blue Boson Home Effector® device uses magnetic resonance imaging and wave frequency to change the physicochemical properties of fluids and elements on the molecular plane. Based on quantum and applied physics, we transform the parameters of matter, releasing the energy potential from the molecular level. As a result of the action of electromagnetic waves, we modify the structure of water, creating a new intermolecular balance, and thus improving the properties of water.

5. Description of the components of the hydraulic system

Blue Boson Home Effector® consists of the Effector® device and 3 water filters (2 mechanical filters with 20 and 5 micronages and 1 carbon filter) placed in the tubular bodies.

5.1. Effector® device

Effector® is a maintenance-free device that modifies the structure of water and creates a new intermolecular balance by generating electromagnetic waves. The effect of the technology is a change in surface tension that has an impact on the bonds and angles between the individual molecules of hydrogen and oxygen. It affects changes in values such as: viscosity, heat of vaporization, heat capacity of melting point, reactivity of hydrogen compounds with organic and inorganic elements.

5.2. Water filters

The foam insert is made of the highest quality polypropylene that meets the stringent FDA standards. The product with a gradient structure was created as a result of a one-stage, modern technological process. The increasing packing density of the fibers inside the cartridge reduces the micronage and increases the filtration efficiency. Water flows through the cartridge towards its core. The decreasing diameter of the micropores stops the impurities contained in the water, large particles are retained at the surface, while smaller ones in deeper layers.

This contributes to increasing the effective area, filtration efficiency and the life of the cartridge.

The activated carbon cartridge is most often used in the water treatment process. Due to its porous structure, carbon is an excellent filter material with very high sorption (absorbing) properties. The activated carbon layer retains the impurities in the water in the pores. The result is clean, toxin-free water. Carbon filters are in the form of a carbon block or a cartridge with granular carbon.

5.3. Hydraulic components

In table 5.1. presents a summary of the hydraulic elements that make up the Blue Boson Home Effector® system.

Table 5. 1. Set hydraulic components

Description	Amount
1" bends	3 pcs.
Industrial worm clamp	1 piece
Nypel 1"	4 pcs.
Straight flare 1"	1 piece
PVC / PVC reinforced hose	1 piece
Narrow bodies	3 pcs.
Water filter cartridge foam 20 microns	1 piece
Water filter cartridge 5 micron foam	1 piece
Water filter cartridge with a solid carbon block	1 piece

6. Technical data of the Blue Boson Home Effector® components

The technical data of the individual components of the Blue Boson Home Effector® system are summarized in the tables, in sequence: filters - table 1, pipe bodies - table 2, reinforced PVC / PVC hose - table 3.

Table 6. 1. Filter technical data

Foam filter	Carbon filter
used as the first stage of filtration of drinking and general water,	removes up to 99% of free chlorine from water,
they remove mechanical impurities such as: rust, sand, silt, etc.,	removes organic impurities,
effectively stop pollutants thanks to depth filtration,	removes phenol from water and benzene,
extended life of the cartridge thanks to the gradient structure,	removes up to 85% of chlorinated pesticides,
reduction of microorganisms and pollen,	removes mechanical impurities (rust, sand, silt, suspended solids)
micronage available: 1, 5, 10, 20, 50,	improves the taste and smell of water,
available sizes: 10", 20", 30",40", 10" Big Blue, 20" Big Blue,	available sizes: 10", 20", 10" Big Blue, 20" Big Blue,
service life to 6 months,	service life from 3 to 6 months,
fits most systems and bodies available on the market.	fits most systems and bodies available on the market.

Table 6. 2. Technical data of the in-pipe body

Tube body 10 "	
tube 10 " body,	
connection diameter: 1 "internal thread,	
housing equipped with a vent,	
can be used in demanding installations	
high capacity, approx. 2.5 m ³ / h,	
resistant to selected chemicals,	
operating pressure: 6 bar,	
maximum pressure: 8 bar,	
working temperature (water): 2-31 ° C,	
maximum temperature: 60 ° C,	

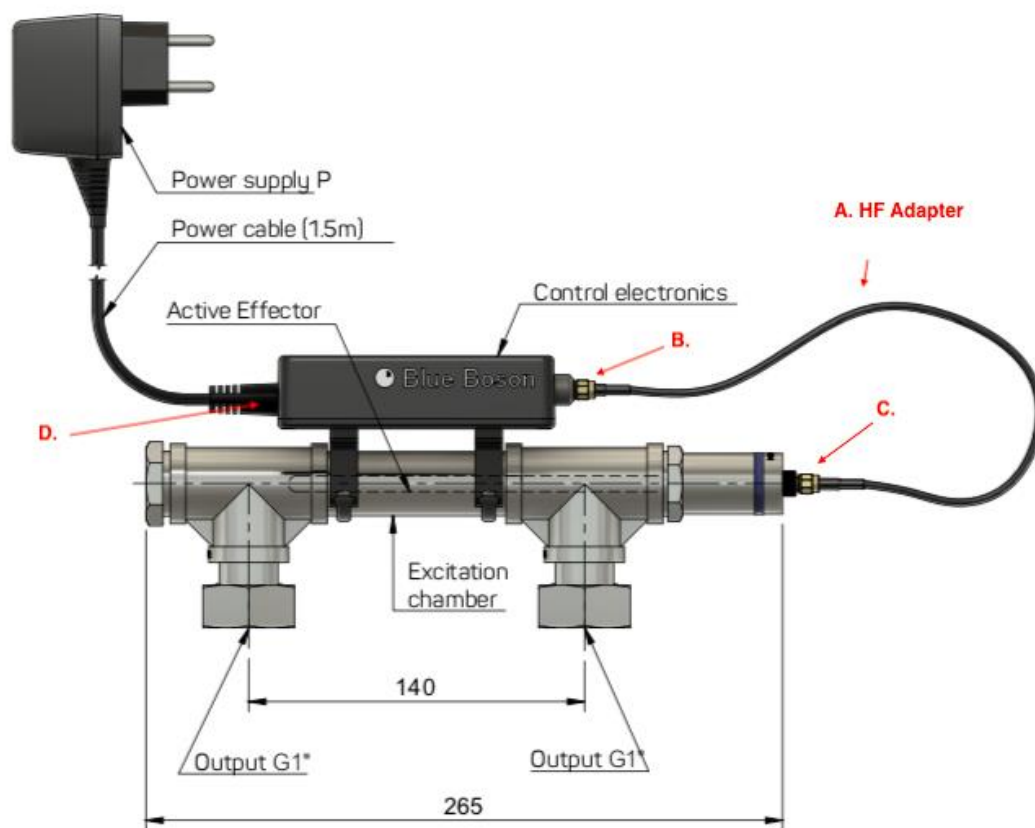
Table 6. 3. Technical data of PVC / PVC reinforced pressure hose

Hose protection PCV/PVC	
inner layer:	transparent PVC,
reinforcement:	polyester braid,
outer layer:	transparent PVC,
operating pressure: (depending on the hose diameter)	from 8 bar to 20 bar,
working temperature: (operating pressure dependent from temperature)	from -5°C to +60°C.

7. Instructions for connecting Effector® device

The water structurizer is responsible for bringing water into resonance - creating electromagnetic waves, thanks to which water molecules take an ordered form hexagonal. The electronic components of the Effector® device should be connected as follows

1. Screw the HF adapter (SMA plug - fig. A) to the HF Control electronics of water structuring and to the Effector® antenna (Figs. A,B and C)
2. Connect the power supply supplied with the device to the control unit with the HF Control electronics RG300 generator (water structuring) - fig. D



Remarks:

The LED (blue) indicates the correct power of the HF generator.

The light is off when it has occurred:

- decrease in HFG power (insufficient power),
- HFG defect

8. Installation instructions

Before installing the Effector® device, cut off the water flow by closing the valve gate. Then prepare the place where the assembly will take place. It is recommended that the Effector® device is installed in front of the water heater or boiler, and after the water meter at the main water supply, remember to have adequate access to the device.

- 1.** Screw the nipples to the threads in the pipe bodies - Fig. A.
- 2.** Screw the two bodies together - fig. B.
- 3.** Using the nipples, assemble the three toggle bodies - Fig. C.
- 4.** Screw the elbow to the nipple - fig. D.
- 5.** Screw the straight flare to the knee - fig. E.
- 6.** Attach the reinforced hose to the flare nut using an industrial worm clamp - Fig. F. Attach the straight flare to the end of the reinforced hose in the same way, so that you can screw the coupler / elbow to the connection with the house's hydraulic system.
- 7.** Screw the Effector® pipe to the nipple - fig. G.
- 8.** Screw a muff / elbow or other hydraulic element to the outlet of the Effector® device pipe, which will allow for complete connection with the house's hydraulic system.

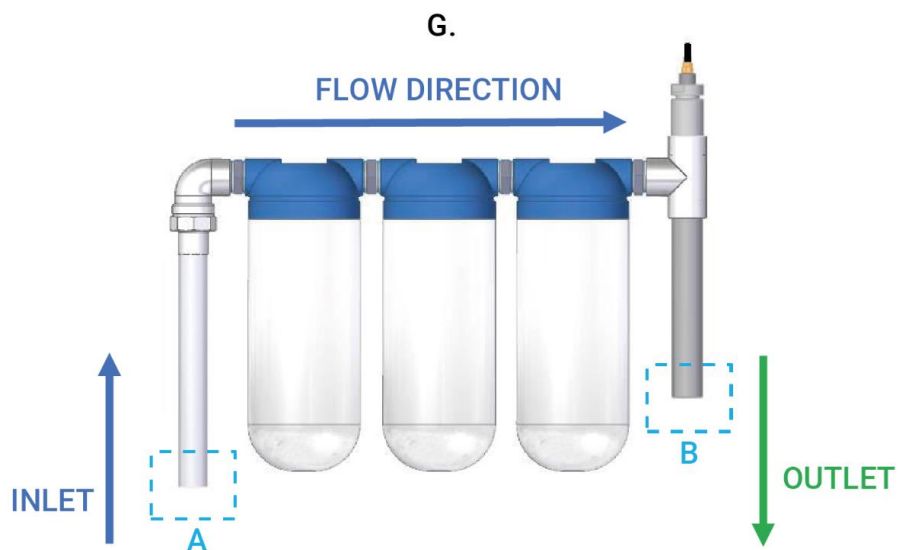
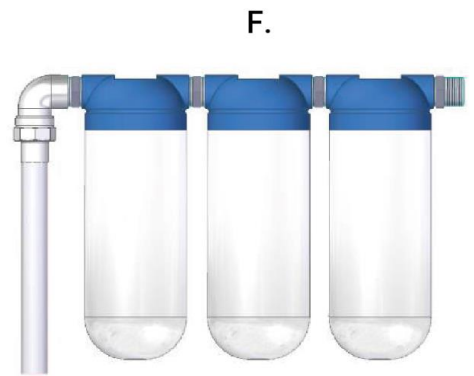
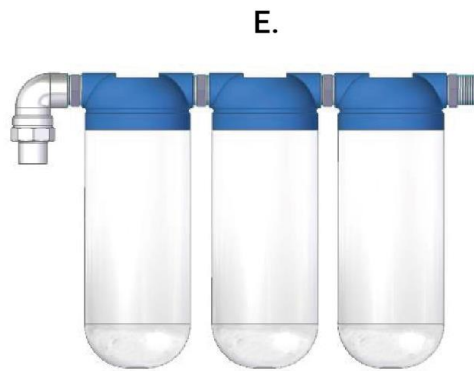
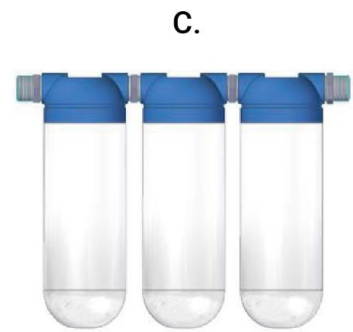
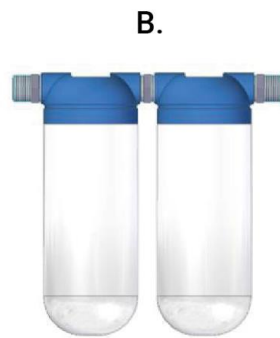


Figure 8. 1. Overall dimensions of the hydraulic system with the Blue Boson device



9. Certificates

The Blue Boson Home Effector® device has the following certificates:

CE declaration of conformity with the EMC directive 2014/30 / EU and 2014/35 / EU.



National Institute of Hygiene (PZH) No.BK / W / 0567/01/2019, which proves that the SCAT device for water quality improvement meets the hygienic requirements in the treatment of drinking water.



10. Utilization

At the end of its operational life, the device should not be disposed of with municipal waste. Contact us for more info at serwis@blueboson.eu