PLACEMENT INSTRUCTIONS PRIVATE PERSONS – TO READ BEFORE STARTING ©

- **First install the Biofilter and then the Biodynamizer after the city water meter (legally potable water according to the local legislation in force in the country where the filter is placed. For the European Union this corresponds to the "European Directive on potable water 98 / 83CE 1998 ") and fix them vertically on a hard & resistant wall (bricks, concrete…) with a valve upstream of the Biofilter and a valve downstream of the Biodynamizer. Check that the city water has a pH (degree of acidity) greater than 6, this may cause corrosion of the copper and / or brass pipes of the Biodynamizer® (and this due to too high acidity water) risking leaks or ruptures of the pipes.**
- **Check that the materials constituting the pipes of the internal sanitary network (existing sanitary piping to which the filtration and dynamization devices are connected) comply with the local technical regulations relating to interior installations (for Belgium http://www.belgaqua.be/). And in particular that these pipes are not made of lead, or any other metal dangerous for health**
- **Check that there is no softener, filter or other device upstream of the Biofilter or the Biodynamizer.**
- **If dynamized water is to supply a swimming pool: check with the pool technician, the compatibility of the filtration system for the pool with filtered and dynamized water which is unsoftened water.**
- **If city water is likely to contain sludge, particles, sediments or other, we recommend protecting the Biofilter upstream with a particle / sediment filter in order to protect and prolong the longevity and efficiency of the filter.**
- **If your city water contains more than 40 ° f French degrees, (very hard water), then it is advisable to plan an additional treatment of the limestone adapted to this situation (for example the Biolimescaler).**
- **Be sure to place a pressure reducer after the water meter and before the appliances. This reducer must be set at max 5 bars.**
- **In case of galvanized or metal sanitary pipes, be sure to connect the devices with dielectric pipes: multilayer or multiskin or Alpex (Aluminum/Pex) or connect the devices with dielectric connections to avoid stray currents along the pipes which can cause galvanic corrosion by electrolysis (the interior pipes of the Biodynamizer are made of copper and its fittings in brass).**
- **Make sure to place the devices more than 1 meter from an electrical source (arrival of the main electrical power supply to the home, electrical panel, etc.). It is generally recommended to avoid electromagnetic pollution as well as stray currents in the sanitary installation. To do this, make sure to connect the sanitary installation to earth upstream of the devices (earthing)!**
- **Make sure to reserve sufficient space around the Biofilter in order to be able to change the cartridge at the appropriate time (cartridge capacity 150 m^3 or max 1 year).**
- **Check that the place where the devices are placed is never subject to frost (temperature: between 1 ° C><35° C).**
- **The fittings of the 2 devices are ¾ inch threaded brass. If necessary, use reducers.**
- **Be sure to connect the devices in a professional manner and comply with the specific installation standards in force in the country of installation.**
- **Since the water filtration and dynamization devices do not soften the water, it is important to carry out a standard annual maintenance of boilers and heating installation (heat to be set between 50 ° C-60 ° C)!**

1. Close the general valve of the distribution water meter (legally potable) and empty the installation.
2. After the water meter, place a valve with drain as well as a pressure reducer (at max 5 bars).
3. Attach the Biofilter vertically to a load-bearing wall.
4. Connect the Biofilter using dielectric pipes (eg Multiskin or Alpex), if necessary suitable brass elbows. Do not forget the joints so that the connections are tight (Biofilter fittings 3/4 inch ').
5. Connect the Biofilter respecting the direction of flow, see arrow on the Biofilter connection.
6. Attach the reinforced bracket to a load-bearing wall as well as the clamp to attach the Biodynamizer vertically, next to or below or above the Biofilter.
7. At the outlet of the Biofilter, connect it with a dielectric pipe to the fittings of the Biodynamizer (WaterflowIN inlet). Do not forget about seals.
8. Observe the input (= Waterflow IN ") and output (=" Waterflow OUT ") fittings of the Biodynamizer.
9. At the outlet of the Biodynamizer, connect its ¾ inch 'fittings with a dielectric pipe (eg Multiskin or Sanitary Alpex). Make the connection waterproof (for example with hemp or teflon).
10. Check all tightenings and tightness before commissioning the installation.
11. Let the water run from all the taps in the house installation for +/- 10 minutes.

PLACEMENT INSTRUCTIONS SIDE BY SIDE ©


Pressure reducer


Pressure gauge (optional)


2 Valves with air vent


2 Wall clamps (supplied)


1 support bracket for the Biodynamizer (supplied)


Electrical panel

Main electrical supply

Grounding
Max 30 Ohms

Multiskin pipe

Min 100 cm

Brass fittings ¾ ‘

Waterflow IN

Fittings ¾ ‘

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595 mm X 180 mm – 7 kg

Wall Clamp

900 mm X 160 mm – 16,2 kg empty + 2,2 L water

Wall Clamp

Waterflow OUT

Pressure reducer
Max 5 bars

Support Bracket

Brass fittings ¾ ‘

Multiskin pipe

City water meter

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Know more: www.biodynamizer.com or team@biodynamizer.com

PLACEMENT INSTRUCTIONS VERTICAL ©

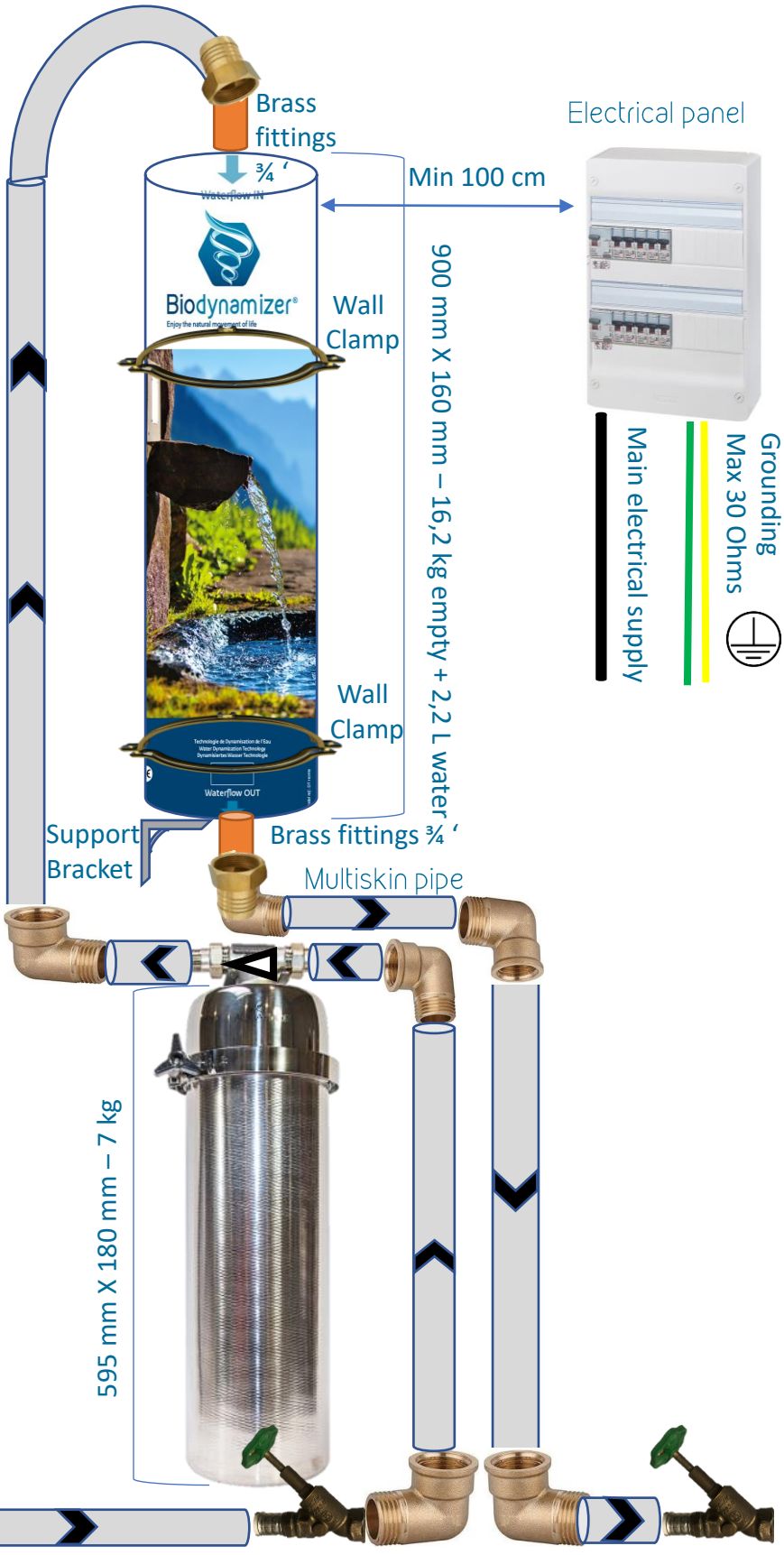
Pressure reducer

Pressure gauge (optional)

2 Valves with air vent

2 Wall clamps (supplied)

1 support bracket for the Biodynamizer (supplied)



Know more: www.biodynamizer.com or team@biodynamizer.com

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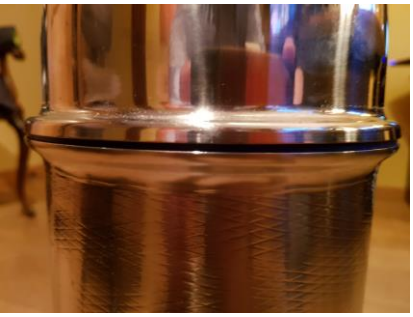
Placement instructions Biofilter

the instructions concerning the **Biofilter** (before starting the installation procedure):

1) Before placing the Biofilter in its transport box, the manufacturer performs two leak tightness tests at 4 Kg of air pressure to check the tightness of the device.
2) Before installing the Biofilter, it is necessary to:
a) Take the Biofilter out of its box.
b) Unscrew the clamp and its bakelite ring
c) Open the Biofilter and check the device from inside and outside.
d) Take out the blue tightness collar and the two black gaskets for visual verification
e) Place the filter cartridge correctly inside the Biofilter.
f) Put in place in its location provided for this purpose, the blue collar and the two black seals
g) Close the Biofilter
h) Tighten the stainless steel clamp and its bakelite ring very tightly to seal



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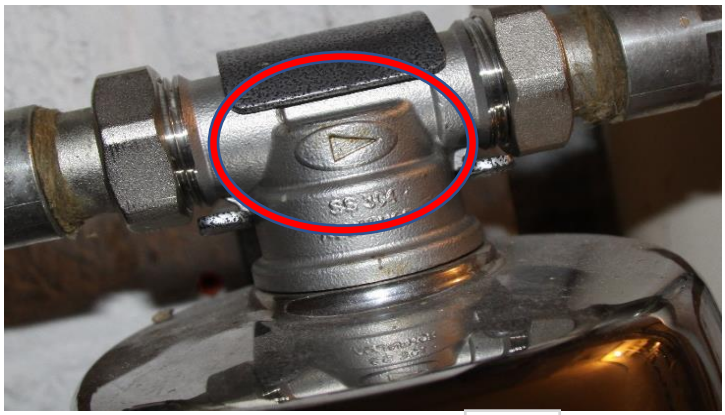
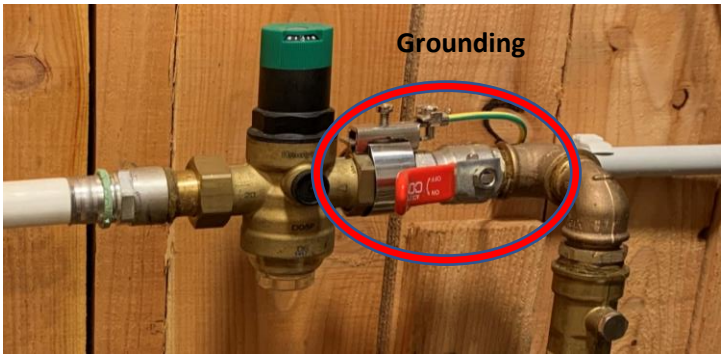
Placement instructions Biofilter

Biofiltre®

¾ inch ‘ fittings

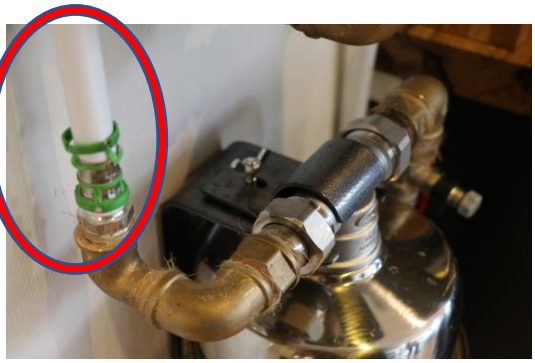


Direction of water flow



Pressure reducer max 5 bar

Valves upstream-downstream of the Biofilter



Multiskin tube

Waterflow IN

Waterflow OUT

Placement side by side (Horizontal)

Placement Vertical

Biofilter®

-Case: stainless steel (304 stainless steel food (H18N10)
-Capacity: **150 m³ and max 1 year**
-Flow rate: **1.5 m³ / Hour** (or **25 L / min** at 3 bars)
-Operating pressure max: 6.5 bar, pressure loss 0.1 bar if city water pressure: 1.5 > < 6 bar
-Legal warranty: **2 years**
-**3/4 inch** connections (ext. Ø: 26 mm, thickness : 3 mm, int. Ø : 20 mm)
-**Dimensions:**

- Filter (stainless steel housing): Height: 600 mm x Diameter: 180 mm, weight: **3.8 kg**
- Cartridge: L / L / H = 50 x 15 x 15 cm; weight = **3.5 kg**

-Certifications:

TECHNICAL SHEET BIODYNAMIZER®

Biodynamizer®
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- **Mechanism**: mechanical vortex & magnetic fields + transmission of natural frequencies
- **No maintenance, no consumables**
- Flow: **3,4 m³ / hour or 58 l/mn at 3 bars,** or a sufficient flow for a private house inhabited up to 8 people
- Operating pressure: min **3 bars - max 5 bars**. The aquifer part of the device resists pressures up to 10 bars and complies with European Directive 97/23 / EC concerning pressure equipment
- **Conformity** of the materials of the aquifer part in contact with water: copper, brass & silver have sanitary compatibility in accordance with Regulation (EC) N ° 1935/2004 of the European Parliament Council of October 27, 2004 concerning materials and articles intended to come into contact with food
- "**CE**" marking affixed by the manufacturer on the basis of an internal declaration of conformity
- **Warranty 8 years**
- **3/4 inch brass fittings** (Ø ext. : 26 mm, thickness : 4 mm, Ø int. : 18 mm)
- Dimensions: cylinder + fittings: **897 mm** (807 mm without fittings) x cylinder outer Ø: **160 mm**, weight: **16,2 kg + 2,2 L** with water in the device
- The Biodynamizer is manufactured by **S.A. Dynamized Technologies** – Sentier Muraes 10 at 1440 Braine le Château, Belgium
  VAT: BE 0646898542 -
  Company number at the ECB 0646898542

Dynamized Technologies s.a.

Declaration of conformity of the Biodynamizer®

The manufacturer or his authorized representative established in the Community:
Manufacturer's Name: **S.A. Dynamized Technologies**
Complete address: Sentier Muraes 10
14400 Braine le Château
Belgium

Declare that the device described below:

BIODYNAMIZER (water dynamizer)

Complies with the following provisions:

- **The Regulation (EC) No. 1935/2004 of the European Parliament and of the Council of October 27, 2004 concerning materials and articles intended to come into contact with foodstuffs,**
- **The European Directive 97/23 / EC concerning equipment under pressure,**
- **The Belgian agro-food standards from Annex 2 of the "Circular relating to water quality control in the foodstuffs sector" (AFSCA Belgian control authority), as well as drinking water standards from Annex XXXI of the Water Code fixing the parameters for monitoring drinking water (based upon the study of the Cebedeau laboratory carried out on 10/27/2019 on the release of copper, zinc and silver, which are the metals in contact with drinking water in the Biodynamizer).**
- **EU origin: The Biodynamizer is assembled in Belgium. All parts or parts of the Biodynamizer (metallic, magnetic and mineral) have been delivered, produced, manufactured, assembled or transformed by companies established in the European Union.**

Conditions of use of the Biodynamizer: The water dynamizer must be connected to the city water meter delivering **drinking water** in accordance with European Directive 98/83 / EC of the Council of November 3, 1998 relating to the quality of water intended for human consumption.

Done at Brussels on 01.07.2020,

Christophe Carrette
Managing Director

S.A. Dynamized Technologies
Sentier Muraes 10 - 1440 Braine le Château Belgium
VAT: BE 0646898542
Company number at the BCE 0646898542