



Biolimescaler®

Additional limescale treatment device (complementary to the Biodynamizer) in the event that tap water is very hard, i.e. $> 40^{\circ} f$ (French degrees)!. The limescale remains present but in the form of microcrystals which are much less encrusted (prevents powdery aragonite from turning into encrusting calcite).



The advantages of the Biolimescaler®:

- Requires no maintenance
- Does not require any electrical connection
- Does not require salt or other chemicals
- Preserves minerals & trace elements in water
- 100% ecological and good for the environment
- Extends the life of your installations
- Treats limescale (new and existing deposits) along the entire length of the building's sanitary pipes (regardless of their length)
- **Is guaranteed for life** (because no weakening of the magnetic field)

Technical characteristics of the Biolimescaler®:

- **12 cobalt samarium permanent magnets** with a controlled magnetic field of 1 per magnet T (less than 1 Gauss > 5 cm!) placed alternately and coated by food-safe Teflon which is in contact with water
- **Venturi** effect (very powerful hydraulic pressure changes)
- Chromed brass body
- Fittings: **$\frac{3}{4}$ inch male diameter** (placement can be done in both directions)
- Dimensions: 60 x 135 mm
- Weight: 1.6 Kg
- Capacity (flow): **60 liters / minute**

Price: € 680 excl. VAT + Placement € 150 excl. VAT

More information: www.biodynamizer.com or team@biodynamizer.com



Biodynamizer®
Enjoy the natural movement of life



- All mineralized water (including tap water) contains **limestone which is transformed under the effect of heat into scale** which initially appears in the form of **aragonite** (softer and more soluble scale) which eventually turns into **calcite** (hard and compact scale which becomes encrusted and hardens inside sanitary pipes).
- This limestone will precipitate around the resistances of the **boiler-water heater** (which heats the water up to a maximum of 55 ° C) will turn into encrusting tartar (calcite), which will reduce its energy efficiency, but it will, in time, also become embedded to the inside of the sanitary pipes with the risk of clogging them!
- In order to avoid these inconveniences, it is therefore necessary to **treat this limestone by transforming its mineralogical structure in order to make it more soluble**, which prevents it from becoming encrusted. Limescale therefore remains present in the water, but it no longer has any inconveniences.
- Thanks to its permanent magnets and the magnetic fields generated, **the Biodynamizer already treats the limestone for all tap water with a hardness of up to 40 ° f (French degree)**.
- **Above 40 ° f (French degrees) of city water hardness (very hard water), we therefore recommend placing an additional limescale treatment device, the Biolimescaler®** (in addition to the Biodynamizer®). The Biolimescaler® treats limestone by **modifying its mineralogical structure (from calcite to aragonite) as well as the morphology of the limestone crystals** (their size increases = early germination of the tartar). In addition, the Biolimescaler® helps to eliminate existing encrustations in the pipes.
- The Biolimescaler® is made up of **12 natural magnets in samarium-cobalt** alloy surrounded by food-safe Teflon which produce an intense alternating magnetic field (NS / SN) of 10,000 Gauss (1 T). Result:
 - **There is no longer any adherence of scale inside the sanitary pipes**
 - **Old limestone incrustations disappear**
 - **The mass of scale remaining around the resistances and in the bottom of the boiler decreases very significantly**





Test carried out by the CSTC (Scientific and Technical Center for Construction - Building Chemistry Laboratory - Belgium), february 2017

2 identical test benches:

- Left-hand boiler (tap water treated with the **Biolimescaler**): **significantly less scale deposits in the boiler (wall, resistance and deposits: 40% reduction in scale deposits!), as well as in the pipes**
- Right-hand boiler (untreated tap water): significant scale deposits in the boiler (wall, resistance and deposits) and in the pipes



PLACEMENT INSTRUCTIONS BIOFILTER + BIODYNAMIZER + BIOLIMESCALER



Biolimescaler

Biodynamizer

Biofilter

Non-return valve

PLACEMENT INSTRUCTIONS BIOFILTER + BIODYNAMIZER + BIOLIMESCALER



Pressure reducer



Pressure gauge (optional)



2 Valves with air vent



2 Wall clamps (supplied)



1 support bracket for the Biodynamizer (supplied)



1 Non-return valve (obliged)

Electrical panel



Grounding
Max 30 Ohms

Main electrical supply

> 100 cm

Multiskin pipe

Biolimescaler

Brass fittings 3/4"

Waterflow IN

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Wall Clamp

900 mm X 160 mm – 16,2 kg à vide + 2,2 L d'eau

595 mm X 180 mm – 7 kg

Fittings 3/4"

Waterflow OUT

Support Bracket

Brass fittings 3/4"

Multiskin pipe

Non-return valve

Pressure reducer
Max 5 bars



City water meter



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