

OneFlow® Ge-Mini

Compact anti-scale system

Technical Data Sheet



NOTE

The information contained in this document does not replace the full product safety and installation manuals, or the experience of a qualified installer. Carefully read all installation instructions and product safety information before proceeding with the installation.

Description

The innovative **OneFlow® Ge-Mini** limescale control system prevents the formation of deposits on the internal surfaces of plumbing systems. **OneFlow® Ge-Mini** is a limescale system to be installed on the cold water line, upstream of the appliances and pipes you want to protect. Thanks to its compact design, it can be installed under the sink or in small technical rooms. **OneFlow® Ge-Mini** uses innovative technology to retain the minerals responsible for water hardness and converts them into microscopic inert crystals, which remain suspended in the water before being purged. Maintenance is very simple and the system requires no backwashing, salts or electricity. The harmful effects of hard water, in particular the build-up of limescale in heating elements, pipes, water heaters and boilers, will no longer be a problem. **OneFlow® Ge-Mini** is not a water softener and does not involve the addition of chemicals. It is a device for the prevention of hard limescale deposits with an effectiveness proven both by tests in independent laboratories and by the excellent results obtained in years of application in residential and commercial contexts, as well as in the catering sector. **OneFlow® Ge-Mini** is an intelligent solution against limescale, the perfect alternative to softening systems and chemical treatment.

OFGE-MINI



- **OneFlow® Ge-Mini** converts hardness minerals into microscopic inert crystals and is therefore a valid alternative to traditional water softeners
- Low maintenance – no need for salts or chemical additives
- No electricity required
- Improves the efficiency of all heating devices and components of the sanitary system
- The perfect solution to protect domestic appliances, prolonging their useful life and limiting energy consumption
- Maintenance of **OneFlow® Ge-Mini** cartridge systems is extremely simple: just replace the cartridges once every two years

Part No.	DN	Nominal Flow Rate	Weight (Kg)
OFGE-MINI	3/4" M	23L/min*	3,7

* Exceeding the maximum flow rate could compromise efficiency and invalidate the warranty. The pressure drop at maximum flow rate is less than 1 bar if the supply water temperature reaches 27°C.

Technical characteristics

Install the **OneFlow® Ge-Mini** anti-scale system on the cold water line, upstream from the network/system to be treated. The system must be sized according to the maximum or nominal flow rate, as indicated in the specifications of the device in question. It is also possible to install the **OneFlow® Ge-Mini** system to protect multiple appliances from the harmful effects of limescale and hard water, taking care to verify the maximum overall flow rate of the appliances to be protected. Provide a bypass to allow the system to be isolated in case of maintenance or cartridge replacement. The bypass is recommended, but not mandatory. Install the system in an area large enough to allow for maintenance. Once activated, the **OneFlow® Ge-Mini** system does not waste water on backwashing, rinsing and regeneration and does not require chemical additives or electricity to operate.

Chemical characteristics of the water supply	
pH	6.5 - 8.5
Hardness (maximum)	28.8°dH, 51.3°F (513 mg/L CaCO ₃)*
Water pressure	1.03 - 6 bar
Temperature	5 - 38°C
Free chlorine	< 2 mg/l
Iron (maximum)	0.3 mg/l**
Manganese (maximum)	0.05 mg/l**
Copper	1.3 mg/l**
Oil and H ₂ S	They must be eliminated beforehand
Total polyphosphates	< 3.0 mg/l
Silica (maximum)	20 mg/l†
Fixed residue TDS	1500 mg/l††

These chemical characteristics correspond to the average parameters of normal water supply. Contact your local water company to check the characteristics of your water.

A polyphosphate dispenser can be installed downstream of the **OneFlow® Ge-Mini** system, but never upstream because it inhibits its operation.

NOTE

* Systems using **OneFlow® Ge-Mini** technology are effective in preventing limescale build-up in the plumbing system at significant hardness levels up to 513 mg per litre (28.8°D, 51.3°F) of calcium carbonate. Due to variations in the chemical characteristics of water, 513 mg/l is a maximum hardness value recommended because of the possible aesthetic problems related to the formation of slight traces of deposits on the outside of the pipes.

** Just like conventional water softeners, the **OneFlow® Ge-Mini** system must be protected from excessive levels of certain metals that, by coating the active surface, contribute to reducing its effectiveness over time. The public water supply does not generally present this problem, except in rare cases; if, on the other hand, the water comes from private wells, check that the levels of iron (Fe) and manganese (Mn) are less than 0.3 mg/l and 0.05 mg/l respectively. Also, check that the levels of copper (Cu) are always less than 1.3 mg/l.

† The **OneFlow® Ge-Mini** system does not reduce silica deposits. Although silica has less of an effect on the formation of deposits than other minerals, it has a binding action that makes it difficult to remove water stains and limescale deposits from the outside of the plumbing system. The 20 mg/l limit is purely for aesthetic purposes.

†† The values of all other contaminants in the water must comply with the requirements of the local water authority in each country where **OneFlow® Ge-Mini** is sold and installed. The maximum level of contamination of specific minerals and metals, classified in the Chemical Characteristics of the Water Supply above, supersedes the aforementioned requirements. If the water contains excessive amounts of impurities and debris, pre-filter it before using **OneFlow® Ge-Mini**.

System specifications

Inlet/outlet connectors: 3/4" BSP threaded connectors

OneFlow® Ge-Mini nominal flow rate up to 23l/min

Operating pressure: 1.03-6 bar

Operating temperature: 5°-38 °C

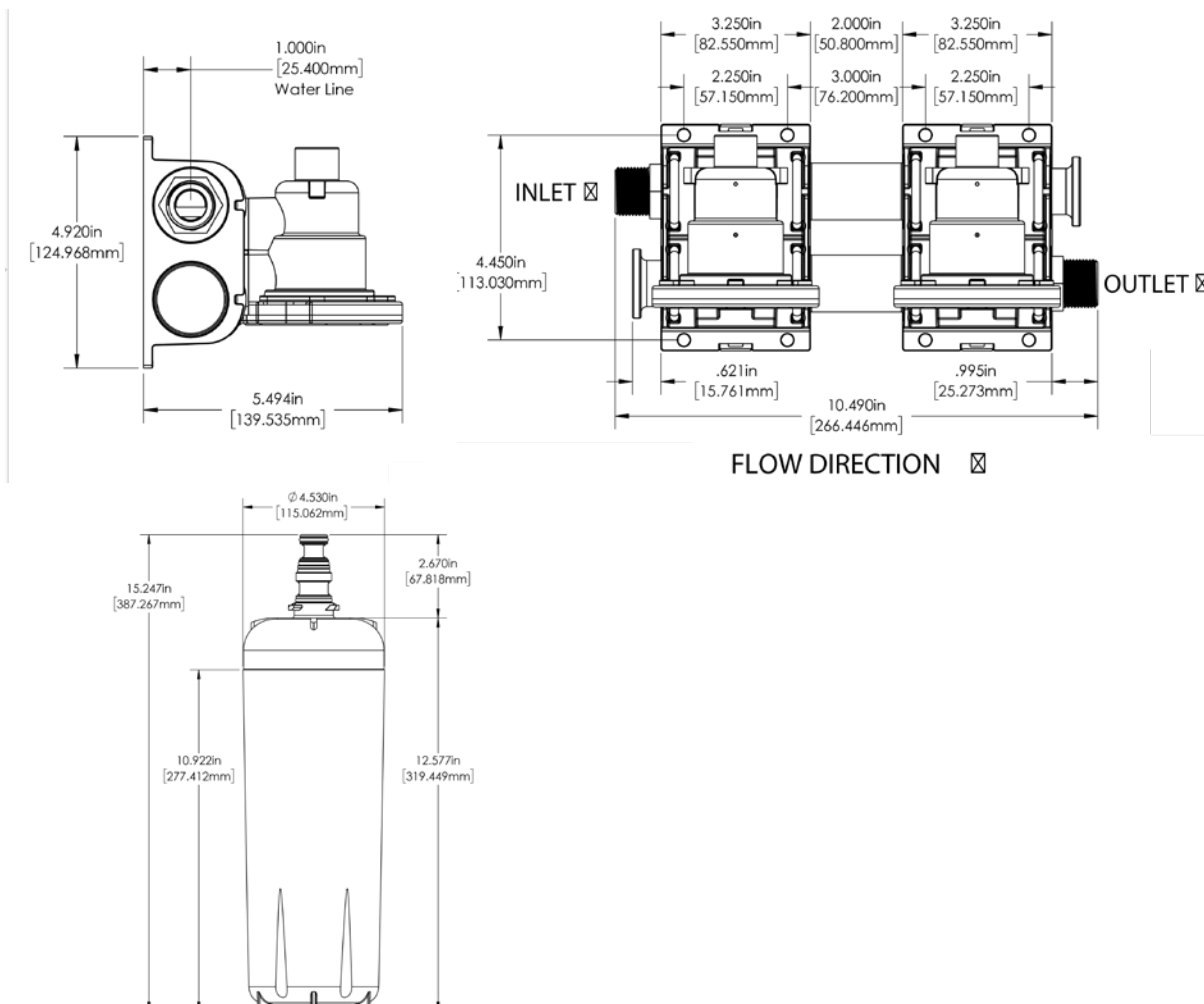
The cartridges do not filter out coarse residues; the other elements present in the water progressively degrade their effectiveness. Replace the cartridges at least once every two years.

INSTALLATION IN THE PRESENCE OF COPPER (Cu)

We do not recommend installing **OneFlow® Ge-Mini** on new copper pipes or devices. Excessively high levels of copper can contaminate the **OneFlow® Ge-Mini** granules. If NEW copper pipes or devices have recently been installed, they must be passivated for at least 4 weeks before the unit is commissioned.

Overall dimensions (mm)

Make sure there is enough space around the system for connections and to replace the cartridge.



Specification text

OneFlow® Ge-Mini

OneFlow® Ge-Mini innovative anti-limescale system - WATTS brand, cartridges included. Improves the efficiency of all heating devices and components, preventing the formation of limescale deposits on the internal surfaces of hydraulic systems. Nominal flow rate 23 l/min, maximum pressure 6 bar; maximum temperature 38°C. 3/4" M connections.

The descriptions and photographs contained in this product specification sheet are supplied by way of information only and are not binding.

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