

# OneFlow<sup>®</sup>

Sustainable scale prevention

**Application guide**





## OneFlow®

The new technology for water scale prevention

### CHEMICAL REQUIREMENTS FOR WATER SUPPLY

pH	6.5 - 8.5
Hardness (maximum)	1282 ppm CaCo <sub>3</sub> (128 °F/ 72 °D)
Free chlorine	< 2 ppm
Iron (maximum)	0.3 ppm
Manganese (maximum)	0.05 ppm
Copper (maximum)	1.3 ppm
Oil & H <sub>2</sub> S	Must be removed beforehand
Polyphosphates	Must be removed beforehand
Silica (maximum)	20 ppm
Water temperature (inlet)	min. 5 °C to max. 38 °C
Inlet pressure	min. 1.03 bar to max. 6.9 bar (OneFlow+®: max. 6.2 bar)
Pressure loss	±2%

## How OneFlow® Benefits Your Property

From private homes to hotels, restaurants, sports clubs, and beyond, OneFlow® is the best alternative to traditional water softeners.



### Does not require salt or chemicals

Nothing is added to the water.



### No electricity

OneFlow® works autonomously.  
No electrical socket is required.



### No waste water

No rinsing, which also means no unnecessary water consumption.



### Environmentally-friendly technology

No water wasted, and no electricity or salt required.



### Compact and simple installation

OneFlow® is a compact device that - depending on the model - can be installed hanging or standing.



### Safe for pipes and appliances

OneFlow® also removes existing scale, which keeps pipes and appliances scale-free.



### Minimal maintenance

No maintenance contract. Depending on the model, the cartridge or media must be replaced every two to three years.



### Energy-saving

No unnecessary water consumption, and less scale build-up means the heating system works more efficiently.



### Existing scale removal

OneFlow® system is efficient in removing the existing scale in the pipes.



### Health

All essential minerals remain present.

Scale build-up can block pipes and taps, affecting water quality and greatly reducing the lifespan of electrical appliances. An ideal solution, OneFlow® is the most efficient and environmentally-friendly technology to prevent scale build-up.



### How does OneFlow® work?

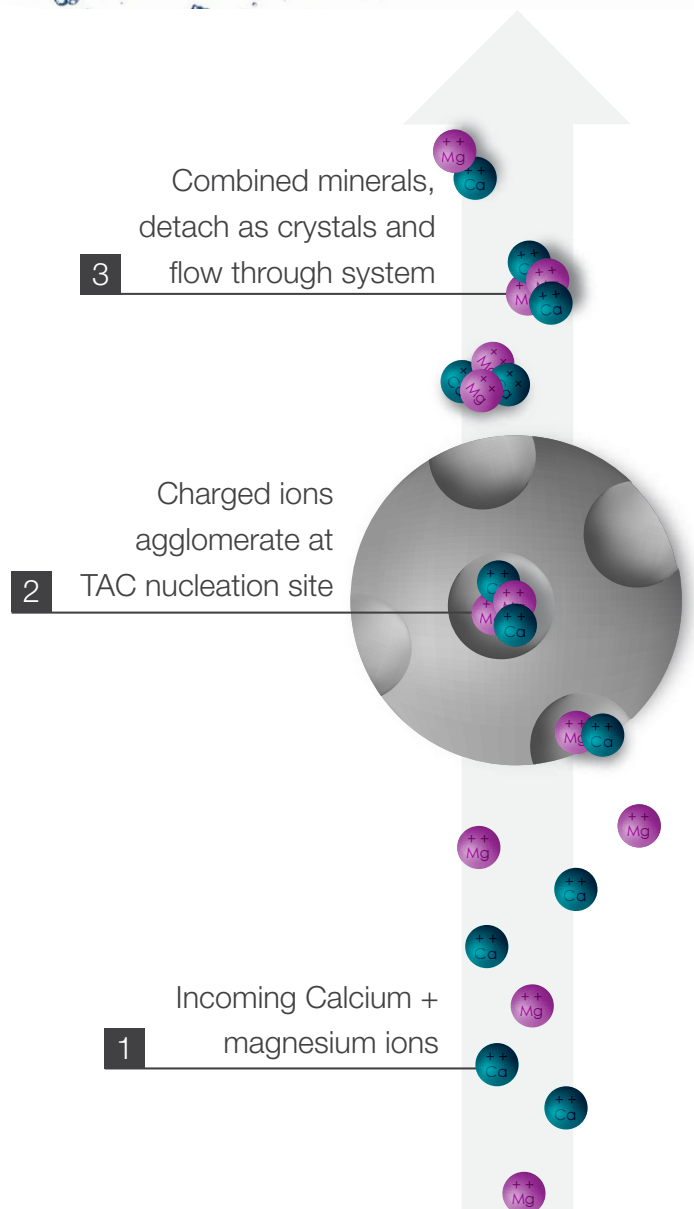
OneFlow® is **not a water softener**. It uses Template Assisted Crystallization (TAC), an innovative technology which improves the quality of tap water by neutralising scale. The grains in the cartridge attract calcium and magnesium minerals in hard water, and turn them into microscopic crystals. These soft, inert crystals are carried away by the water, and no longer attach themselves to surfaces. This eliminates scale and keeps pipes, heating elements, taps, etc. free of scale.

### Efficient scale prevention

The OneFlow® system is seen as a **complete alternative** to traditional water softeners. This system requires **no salt or chemical additives**, meaning **no waste water** is generated. Requiring **minimal maintenance**, OneFlow® only needs a cartridge replacement once every two to three years depending on the model. In addition, this system also **saves energy** by not requiring electricity. What's more, the system is very **compact** and **easy to install**. And you can rest assured all essential **minerals**, such as calcium and magnesium, remain in the water.

### OneFlow+® scale prevention & water filtering

In addition to the TAC cartridge, OneFlow+® contains an integrated 20 micron carbon filter. This model not only protects your pipes against scale build-up, but also keeps the water free of unpleasant odours and tastes. This carbon filter does not remove manganese, iron or other metals.







## How OneFlow® Benefits You

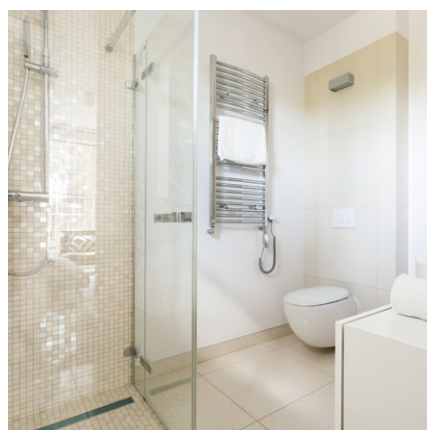
**In sinks, taps, and shower walls** you'll notice reduced scale build-up. If water can evaporate on a surface, small stains may result. This residue is easy to remove with a damp cloth or sponge.

**In the bath** soap and shampoo residue is much easier and quicker to rinse off than with untreated hard water.



### DURING THE FIRST 30 TO 90 DAYS

After the OneFlow® is installed, the water may temporarily have a milky colour. This indicates an increase in the scale content in the water, as the OneFlow® slowly removes the scale from the pipes. This may cause the aerators in the taps to become blocked.



**In the dishwasher** the number of stains on your dishes will reduce considerably. It is best to choose dishwashing products with low phosphate content, as these are better for the environment. Phosphates may also cause stains. In hardwater regions, the use of a rinsing agent is recommended.



**In the heating system** scale build-up is prevented in and on the heating elements, such as electrical heating coils and plate heat exchangers. Because the OneFlow® removes old scale residue from pipes, we recommend rinsing the water in your boiler once a year. This extends the life of your boiler considerably. Please follow the instructions of the manufacturer when rinsing the boiler.



### Model OFTWH-R 22 l/min



Part nr.	Description
S0002188	OneFlow® Scale prevention system (incl. cartridge) 3/4" - 18x18x60 cm
S0002189	OneFlow® TAC cartridge for OFTWH-R (lasts 2 years)
S0002134	OneFlow® connection kit



### Model OFTWH 38 l/min



Part nr.	Description
S0002182	OneFlow® Scale prevention system (incl. cartridge) 3/4" - 18.5x18.5x60 cm
S0002183	OneFlow® TAC cartridge for OFTWH (lasts 2 years)
S0002134	OneFlow® connection kit



### Model OF948-16-C 60 l/min



Part nr.	Description
M0002112	OneFlow® Scale prevention system (incl. media) 1" - 23.5x23.5x133 cm
A0002156	OneFlow® TAC media for OF948-16-C (lasts 3 years)



### Model OF1054-20-D 75 l/min



Part nr.	Description
M0002118	OneFlow® Scale prevention system (incl. media) 1 1/4" - 26.5x26.5x147 cm
A0002157	OneFlow® TAC media for OF1054-20-D (lasts 3 years)



### Model ONEFLOW+ (OFPSYS) 38 l/min



Part nr.	Description
7100638	OneFlow+® Scale prevention system (incl. cartridges) 1" - 20x20x47 cm
7100640	OneFlow+® TAC cartridge (lasts 3 years)
7100639	OneFlow+® Carbon filter element (lasts 1 year)
7100641	OneFlow+® Package TAC cartridge + Carbon filter element



### Model OF110 4 l/min



Part nr.	Description
S0002148	OneFlow® Scale prevention system (incl. cartridge) 1/2" - 13x11.7x34 cm
S0002161	OneFlow® TAC cartridge for OF110-1 (lasts 1 year)



For the models

OFTWH-R, 22 l/min  
OFTWH, 38 l/min

### OneFlow® connection kit 3/4"

Part nr. S0002134

Complete connection kit including:

- 2 x flexible hose 100 cm
- 2 x shut-off valve with check valve
- 1 x roll sealing (Teflon)
- 4 x EPDM sealing
- 2 x nipple 3/4"
- 2 x compression joint 3/4" 15 mm
- 2 x compression joint 3/4" 22 mm



# Register your OneFlow®



To ensure proper operation, you should register your product. You will receive a reminder one month before your cartridge (or media) must be replaced.

## 1. Visit the website

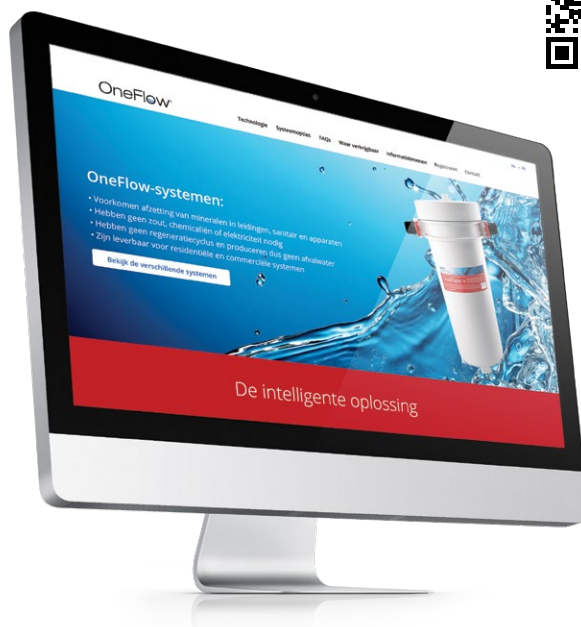
[www.watts-oneflow.com/register](http://www.watts-oneflow.com/register)

## 2. Complete all information

(contact details, OneFlow® model, installation date, etc.)

## 3. Confirmation of registration

You have now registered your OneFlow®. You will receive a confirmation by e-mail.



## Installation tips

- Only connect the system to the cold water supply, preferably after the water meter. The water temperature must not exceed 38 °C.
- The system must be installed vertically, and must be straight and level.
- For optimal results, choose dishwashing products that are low in phosphates or phosphate free. Salt and rinsing agents may still be used in the dishwasher.
- Excessive copper levels can prevent proper operation of the OneFlow®. If new copper pipes have been installed, wait at least 4 weeks before installing the system.
- When installing the OneFlow®, always ensure there is sufficient space to replace the cartridge or media.

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