

TECHNICAL INSTRUCTION / INFORMATION

Release date:	01.05.2014	Update:	R03 / 26.02.2020
Product involved:	LAURASTAR LIFT range, LAURASTAR SYSTEM range, LAURASTAR GO range, LAURASTAR SMART range		
Items involved:	None		
New items:	None		
Subject:	Water quality for LAURASTAR ironing systems		



1. Water that CAN be used



LAURASTAR ironing systems are designed to work with drinkable tap water which is supplied at home. However, it is advised to use the LAURASTAR filtration systems in order to filter the scale and lengthen the lifetime of the boilers and irons.

2. Water that CAN'T be used

- **Rain water**
 - This water can be saturated with organic substances and it can enable the growth of algae in the water reservoir and this can obstruct the filters of the water circuitry before the pump.
- **Distilled water**
 - Can generate a bad reading of the water level of the S range appliances and overflow the boiler. In this case, the iron spit hot water like a shower.
- **Demineralized water**
 - Can generate a bad reading of the water level of the S range appliances and overflow the boiler. In this case, the iron spit hot water like a shower
- **Perfumed water**
 - The organic residues of the perfumes can damage some components of the boiler and iron.
- **Water from clothes dryer machine**
 - The water coming from clothes dryers can be saturated with textile fibers, washing powder residues and fabrics softeners. They can damage some components of the boiler and iron.
- **Water from household dehumidifiers**
 - This kind of water can be saturated of dust and organic substances. This can damage some components of the boiler and iron.

Exception for the LIFT and GO:

Distilled and demineralized waters can, from a technical point of view, been used without affecting the functioning of the LIFT and GO appliances. However, the use of the tap water with a LAURASTAR filtering system is the cheapest solution for the customers.

3. Water coming from a water softener

In order to effectively fight against the scaling of the water pipes and also of the household appliances like the dishes and clothes washing machines, the water softeners systems exchange the calcium and magnesium ions against sodium ions. Sodium ions unlike to the calcium and magnesium ions don't produce scale.

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The inconvenience of such process is the increase of the sodium ions into the water which, with a very high concentration, create in our boilers the transfer of a big amount of water droplets in the steam. When this phenomenon (called priming) occurs, the iron spits water. In order to avoid such problem, recommendations must be given to the customers to filter the water coming from a water softener by using a LAURASTAR filtering system which retain the sodium and inform to drain regularly their boiler.

4. LAURASTAR's water filtration methods

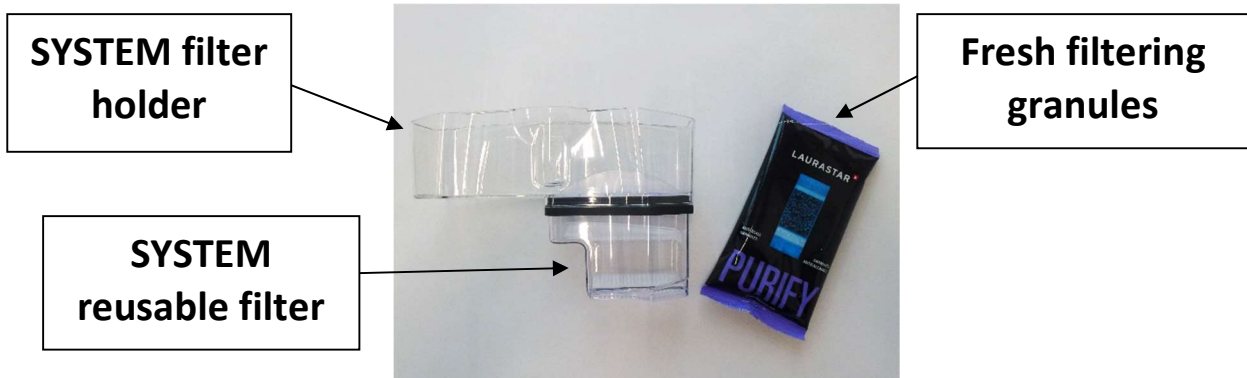
To ensure the best performances and increase the reliability of the boilers and soleplates, it is strongly recommended to use a LAURASTAR water filtering system in case of the use of water coming from the tap or from a water softener.

- **Filtration system for LIFT range**
 - Replacement of the filtering cartridge is given by an audio and a visual alarm on the user interface. The entire cartridge must be replaced by a new one.

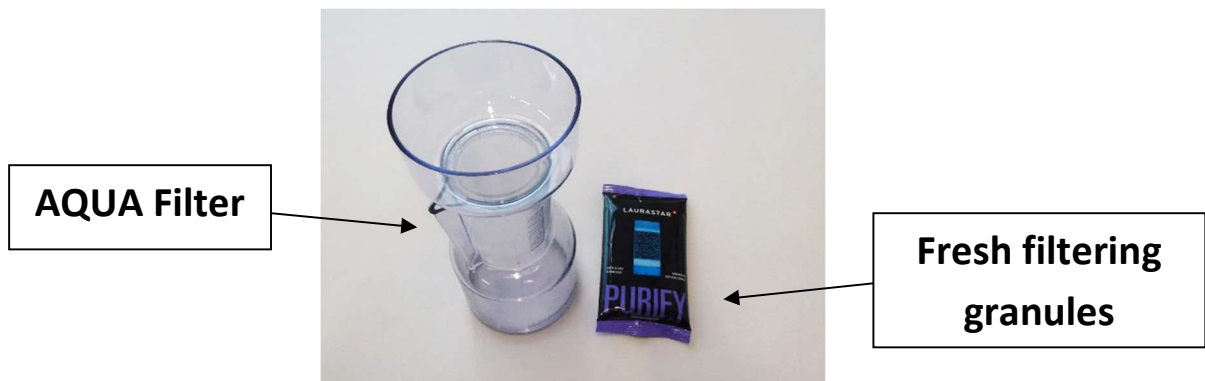


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- **Filtration system for SYSTEM range**
 - Replacement of the granules is indicated by the color change of the granules themselves. **They turn from blue to a brownish color which indicates that they are saturated and must be replaced.**



- **Filtration system for GO range (called also Aqua filter system)**
 - Replacement of the granules is indicated by the color change of the granules themselves. **They turn from blue to a brownish color which indicates that they are saturated and must be replaced.**



- **Filtration system for SMART range**
 - Replacement of the cartridge is indicated by the color change of the granules themselves. **They turn from blue to a brownish color which indicates that they are saturated, and the cartridge must be replaced by a new one.**
 - Additionally, customers that are using their LAURASTAR SMART App will be informed through the App to replace the cartridge.



5. Substances filtered by the LAURASTAR filters

What are the minerals retained by the filters?

- Calcium, magnesium, sodium, chlorine, nitrates, phosphates, potassium, carbonates, sulfates, silicates, zinc, iron, etc...

What are the most damaging minerals that are filtered in order to preserve the boilers?

- Calcium, magnesium, sodium.

Do the filters retain organic substances?

- No.

6. Does the water filtered with the LAURASTAR filtration systems is suitable for the human needs?

No, the water which has been filtered isn't suitable for the human needs because this water has been purified and does not contain the minerals that are important for the health. However, there is no health risk if the water filtered is consumed during a short period.

7. Draining frequencies of the boilers

1x every 10 hours

or

1x every month

With or without filtering system and with water coming from the tap or from a water softener, the boilers must be drained out at least once a month or every ten hours of use.

Following these recommendations the priming phenomenon and scale accumulation in the boilers and/or in the irons can be effectively avoided.

- For safety purpose, the draining processes performed by the users must strictly follow the explanations given in the user manuals.