

Oleó



FORAGE  
Document

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# Do you know the quality of the water in your borehole?

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Water unfit for consumption is difficult to treat



## **Chemical Contamination**

Groundwater is often contaminated



## **Sediment**

Sediment clogs filters, damage equipment and render water unfit for consumption



## **Bacteria**

Bacteria and other living organisms can easily develop in boreholes, rivers and filters, making water unsafe for consumption

Serenity – Maintenance

# Traditional Treatment

A **2-step** treatment

## 01 | FILTRATION

Installation of a sand filter (40 to 50 microns) followed by particle filtration (5 to 25 microns) to provide clear water.

The size of the filter and the type of sand depend on flow rate and water quality (analyses).

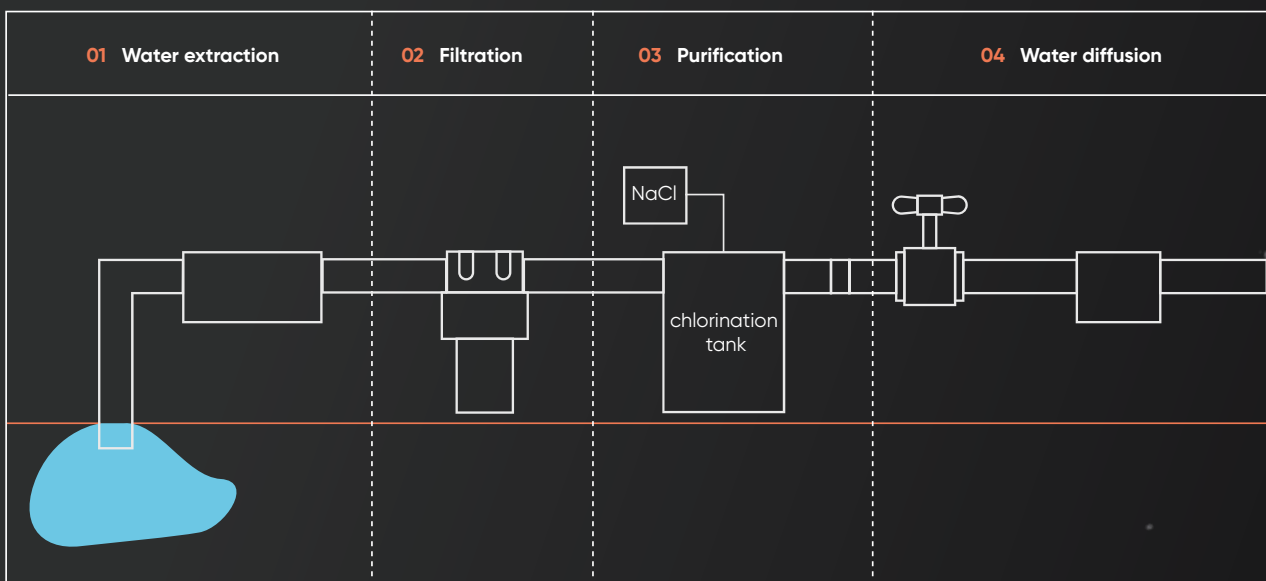
## 02 | DISINFECTION

The final phase in the potabilization process bacterial pollution.

**The reference treatment is chlorination.**

After treatment, a residual is maintained in the water to prevent recontamination. Permanent and rigorous monitoring.

CHEMICAL ANTIBACTERIAL RESIDUAL EFFECT





# OLÉO Treatment

Activated carbon and pure silver  
**A perfect bond**



**MADE IN  
FRANCE**



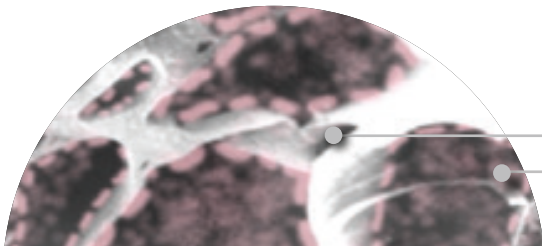
**ECOLOGICAL  
PURIFICATION  
OF WATER**



**INNOVATION  
& EXPERIENCE**  
(INDUSTRY - RETAIL -  
INDIVIDUALS)

**08**

**YEARS  
OF RESEARCH  
WITH CNRS**



Carbon  
Silver

## Molecules

### Coal + Silver

After several years of research, OLÉO has developed an ecological water filtration process. Two molecules (**activated carbon + pure silver**) have been inseparably fused.

## The Formula

### Activated Coal FILTER

(a sponge that captures and traps pollutants)



### Pure Silver asepticizes

(a powerful bactericide by Louis Pasteur)

## Properties

### Purifier and bactericide

Activated carbon captures pollutants, and bacteria are destroyed on contact with pure silver. A nano-vortex effect naturally revitalizes the water. As a result, it resembles spring water, without the release or addition of chemicals.

## Marketing

### OLÉO

This unique SILCARB plant is exclusively marketed by OLÉO group and its partners for filtration of all water points of home or exploitation.

# OLÉO Treatment

## 01 | FILTRATION

Installation of several pre-filters to provide clear water. Pre-filter size depends on flow rate and water quality (analyses required).

**Typical installation consists of:**

- 1 birm sand prefilter (for ferric sediments)
- 1 25  $\mu$  fabric prefilter (retains coarse residues),
- 1 20  $\mu$  sediment cartridge prefilter
- 1 sediment cartridge prefilter 5  $\mu$  (filter fineness: clear water)

## 02 | DISINFECTION

Removal of living germs.

**Finding:** borehole water contains pathogenic micro-organisms posing a major health risk to consumers.

**Solution :** Platinum UV treatment: 99.99% UV shock treatment eliminates bacterial pollution, viruses, germs, protozoa, salmonella, escherichia coli, etc.

**Advantages :** Effective action with no risk of reactions.

## 03 | CONSERVATION

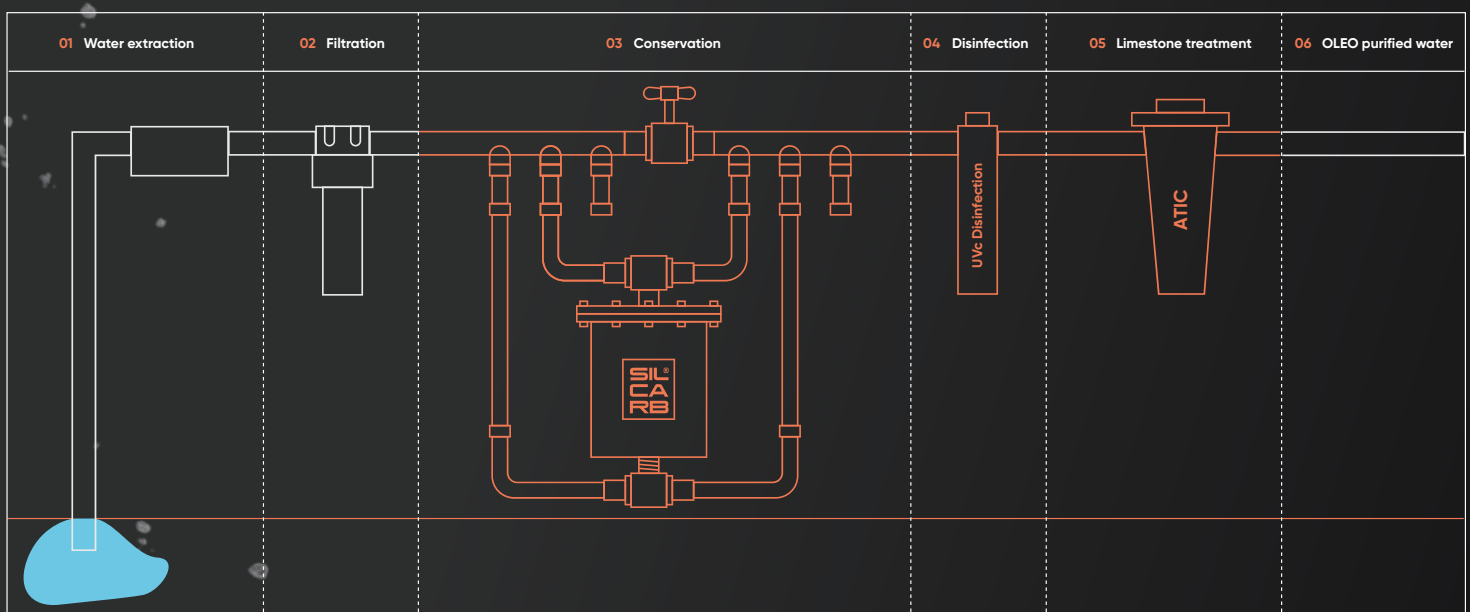
Purification using SILCARB® coal in the OLÉO power plant. Pollution dissolved in the water such as traces of heavy metals, pesticides, chemical residues, tastes and odors are eliminated.

No chemicals are required. Treated water is optimal and covers all household needs of the home (shower, kitchen, equipment) or professional use. **The properties of OLÉO water are unique...**

## 04 | INTELLIGENT LIME MANAGEMENT & VITALIZATION





OLÉO technology incorporating the ATIC module: The passage of pressurized water through the OLÉO and then the ATIC module, create an anti-scaling and vitalizing effect. The micro-vortexes (vortices) generated by the passage of water through the media, modify the electrical exchanges of calcium and magnesium ions.

**The result:** magnesium/calcium ions modified in this way no longer attract each other to form scale. Thanks to the vortex effect around the silicon oxide quartz beads silicon, the limescale no longer clings to your pipes and equipment. **Water is revitalized.**



# POU Treatment

Point Of Use

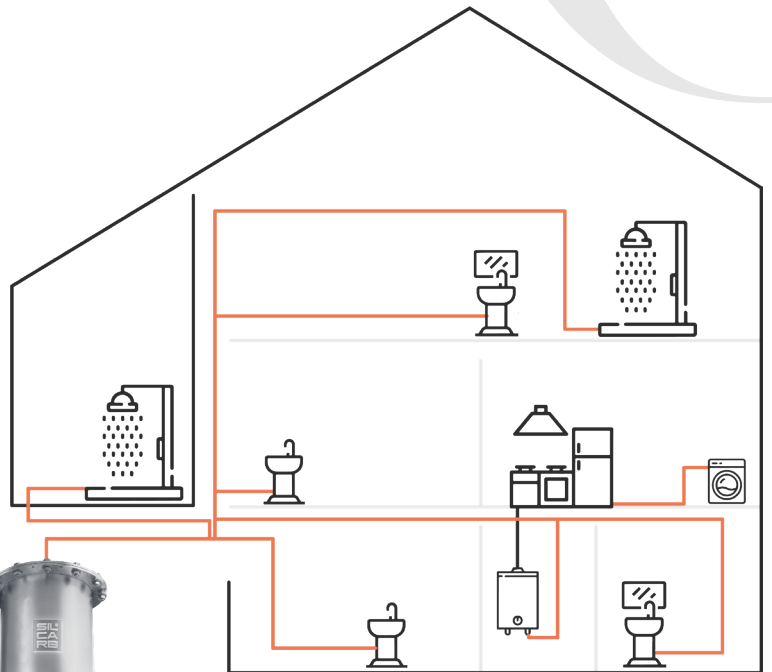
	Names	Actions	Benefits
01	 Bathroom	Pipe protection	No residual scale build-up
02	 Shower	Eliminates chemical pollution and dissolved matter	Gentle on skin and hair
03	 Appliances	Anti-scaling effect on limescale	Protects household electrical equipment
04	 Kitchen	Removal of chlorine, taste, color and dissolved pollutants	Ecological water conservation More delicious cooking Coffee and tea with enhanced aromas Respect for organic vegetables



General water intake



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# Your partner in water treatment

## References

**Proven effectiveness** with leading partners

- **NSF certification** (American certification valid worldwide),
- **Official approval from the French Health Department** (Attestation Conformité Sanitaire) enables us to work with day-care centers, schools and medical facilities, which guarantees perfect sanitary control.
- **Oléo** collaborates with CARSO laboratories (formerly Pasteur).
- **Oléo** entrusts its studies to ESCOM and other laboratories for quality control of our products.

## Our quality labels



Since the beginning of our research, OLÉO has contributed with the Pasteur Institute or its successors (CARSO)



OLÉO production is a member of French Tech. One Lyon-St Etienne the French startup movement



The OLÉO power plant is certified to the ACS standards (Certificate of Health Conformity for France)



OLÉO production has obtained the status of young innovative company



The OLÉO power plant is NSF 61 certified (NFS/ANS/CAN 61 standard valid worldwide)

Oléo



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