

Dedicated to effluent recycling, EASYPURE™ is a compact and autonomous station operating by batch, adaptable to all types of liquids for discharge or recycling thanks to its modular design.

## Features

Automatic and/or manual operation via touchscreen interface. Alarm settings (pH, temperature, filter clogging, level detection).



### Rapid return on investment

Reduces wastewater reprocessing costs.



### Optimal properties

SIEBEC filtration eliminates particles.



### Physico-chemical treatment

Very low treatment costs compared with evaporation or removal by a service provider.



### Easy maintenance

Our ergonomic closure system simplifies the manual replacement of filtration media.

## APPLICATIONS

EASYPURE™ treatment plants can be used for:

- Wash water
- Rinsing water
- Penetrant testing water
- Test water
- Hydraulic test water
- Metal-laden water
- Hydrocarbon-laden water
- Particle-laden water
- ...

### Daily volume treated

Up to 20 m<sup>3</sup>/day

### Volume per cycle

500 or 1000 litres as standard. Up to 6000 litres (customised)

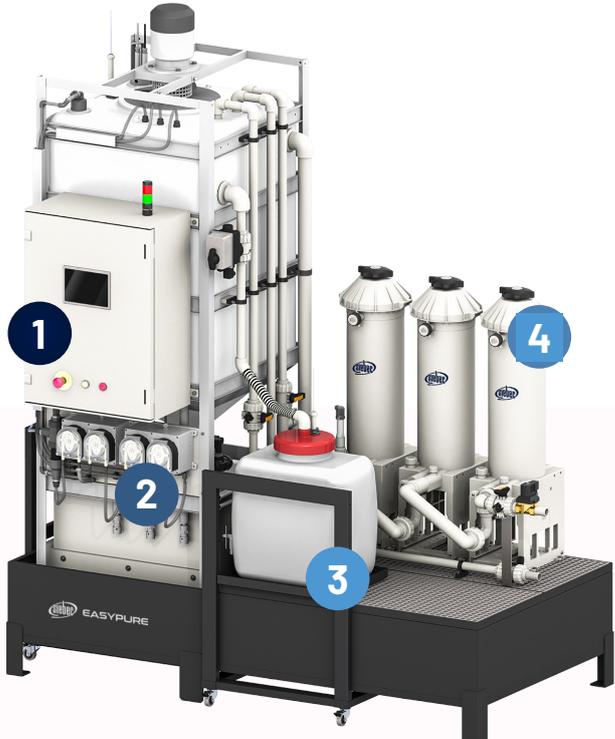
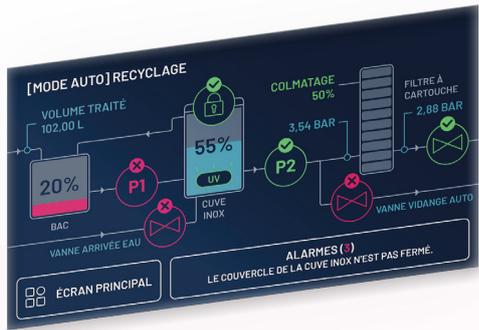
### Dimensions

2000 x 1000 x 2400 mm (W x D x H)

### Power consumption

< 1 kWh - **Nearly 100 times less than an evaporator!**

**AUTOMATIC MODE**



**1 Configuration**  
 EASYPURE™ is designed for the targeted treatment of a specific pollutant, according to your requirements. The treatment process is initiated using a touch-sensitive control interface integrated into the station.

**2 Batch treatment**  
 Once the liquid has entered the main tank, a dosing pump system ensures effective treatment of the specific pollutant, tailored to the required application.



**pH adjustment**  
 Addition of soda or acid to regulate the pH.



**Coagulation - flocculation**  
 Allows very fine colloidal particles to settle.

**3 Recovery modules**  
 Pollutants can be recovered from different modules.





**Sludge separation**  
 Recovery of sludge in filter bags mounted on trolleys, or in big-bags for large volumes.

**Oil separation**  
 Oil recovery in cart-mounted canister.

**4 Final filtration**  
 Integrated filtration modules






**Fine filtration**  
 Separation of suspended matter on cartridges & filter bags.

**Activated carbon**  
 Captures organic compounds and traces of hydrocarbons.

**Ion exchange resin**  
 Recovers dissolved metals (pollutants or precious metals)

**Anti-bacterial (optional)**  
 UV treatment for process water reuse.

**REUSE** OR **DISCHARGE**

# A reminder of the regulations governing industrial effluents.

In France, industrial effluent discharge thresholds are set by the Order of 21 November 2017 [...] (NOR: TREP 1712882A). This limits the rate of contamination of wastewater discharged into the natural environment to a maximum authorised daily flow.

Below is a non-exhaustive summary of the thresholds. For further details, please refer to the official document. **(Please note that values may vary locally!)**

**Table: maximum authorised values generally observed**  
(values may be lower depending on your discharge agreement)

| Daily flow  | < 15 kg/day<br>(* < 50 kg/day) | > 15 kg/day<br>(* > 50 kg/day) | Connection to a collective<br>wastewater treatment plant |
|-------------|--------------------------------|--------------------------------|--|
| TSS         | 100 mg/l                       | 35 mg/l                        | 600 mg/l   |
| BOD5        | 100 mg/l                       | 30 mg/l                        | 800 mg/l   |
| COD*        | * 300 mg/l                     | * 125 mg/l                     | 2000 mg/l  |
| pH          | 5,5 < pH < 8,5                 |                                |  |
| Temperature | < 30°C                         |                                |  |

TSS : Total suspended solids

BOD5 : Biochemical oxygen demand over five days

COD : Chemical oxygen demand

**In 90% of cases, an EASYPURE™ alone will enable you to comply with the discharge thresholds in force.**

**Ask for your personalised quote.**  
**Free study.**

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