

## Carrofiltre® XS

---

### Scope of application

Your optimal solution for pretreatment of wastewater containing hydrocarbon emulsion and heavy metals.

The cantonal directives impose a pretreatment of wastewater to the establishments of the automotive industry : garages, bodyshops, paint shops, transporters, etc. Carrofiltre® XS is a patented, multi-award winning device, specifically designed for professionals in the automotive sector, in accordance with the Federal Ordinance of December 8th 1975 on the discharge of waste water.

Carrofiltre® complies with the requirements of DCPE 550 and its appendix.

### Description

The new generation Carrofiltre® XS is a compact, safe and advantageous device.

It is entirely made of synthetic material (polypropylene), which eliminates corrosion problems.

The Carrofiltre® is fully automatic and equipped with a programmable **relay board** that manages the different phases of treatment.  
No manipulation is necessary to operate the unit.



### Maintenance

According to the applicable canton directives and the volumes to be treated, Canplast offers the possibility to operators to subscribe to a **service contract**, including the guarantee of compliance with the standards regarding discharge, evacuation of wastes and their routing towards a treatment station.

## Advantages

**Reliability** : The filter bag process ensures a **high degree of operational safety** and allows contact-free handling of the purification residues.

**Competence** : Canplast is able to offer its services for the manufacture of all works making up a pre-treatment chain : dump, hydrocarbon separator, pumping pit, Carrofiltre® pre-treatment unit.

**Economy** : The Carrofiltre® has been conceived to obtain a minimal water treatment cost. It is the most economical solution for both buying and running costs.

**Distinctions** : The Carrofiltre® system has been awarded several times : 1983: European INDEX award for the judicious use of nonwoven filter bags 1988: Award of Excellence from Junior Chambers of Commerce.

**Experience** : Carrofiltre® is one of the first pretreatment devices developed specifically for garages and bodyshops. It was approved in 1985. To date, it is one of the best-selling devices in French-speaking Switzerland.

**Availability:** The Carrofiltre® was developed and is entirely produced in our workshops of Villars-Ste-Croix (near Lausanne), where all our parts, bags and flocculants necessary to the functioning of the device are also stored.

**Quality of material:** All Carrofiltre® components are made of a synthetic material which is inert, thereby protecting it against corrosion damage.



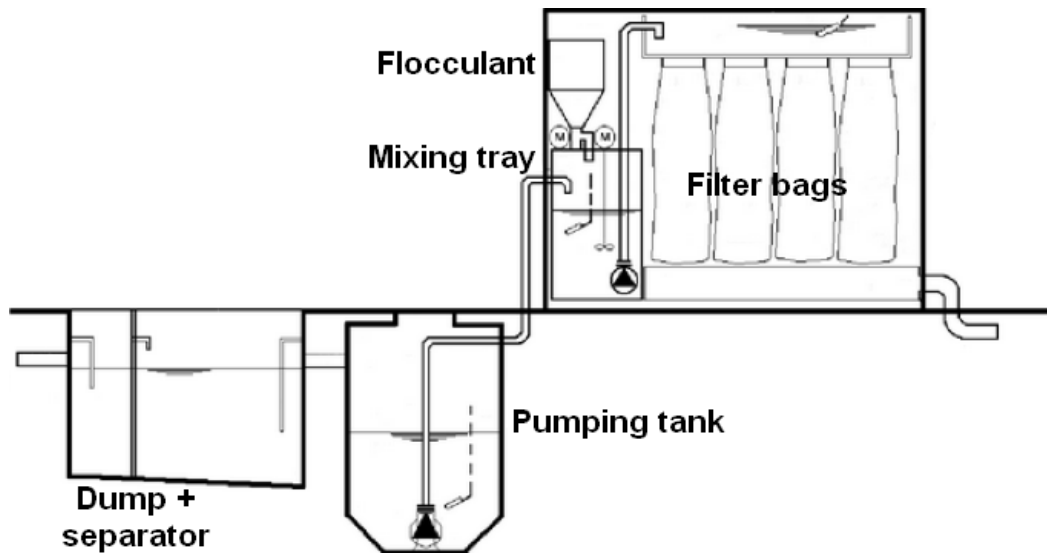
## Working principle of the Carrofiltre® type XS (garage/bodyshop model)

### Garage/bodyshop model

It is then pumped into a tank incorporated in the apparatus where it undergoes a flocculation treatment with a powder product which converts the hydrocarbons into large flocs. These are retained by Carrofiltre® bags, while the filtrate is evacuated toward the wastewater pipe.

The different phases of the Carrofiltre® are fully automated. Human intervention is limited to periodic bag changes and supplies with flocculant, approximately once a month. This can be provided by one of our specialists, subject to a service contract.

An alarm system ensures the proper functioning of the installation.



## Characteristics

### Standard equipment, Carrofiltre® Type XS - Garage / bodyshop Model

Type	Dimension	Flow rate l/h	Mixing tank lt
4 XS	2000 L x 1500 H x 600 P	500	100
8 XS	2150 L x 1500 H x 850 P	1000	200

Power supply : 220 V single phase

Consumption : approx. 0,8 kW/m<sup>3</sup>

Filtration capacity : 250 to 1000 litres per hour, depending on setting

Discharge pump flow rate : Approx. 1.5 litres/second - 4'm CE

Consumption (according to importance of the garage) :

- ◆ Flocculant consumption : approx. 0,9 à 1,2 kg/m<sup>3</sup>
- ◆ Consumption of filter bags (according to hydrocarbon concentration) : approx. 1 bag for 1-2 m<sup>3</sup>

