

### **E Oil separation**

### **E Filtration**

### **E Magnetic separation**

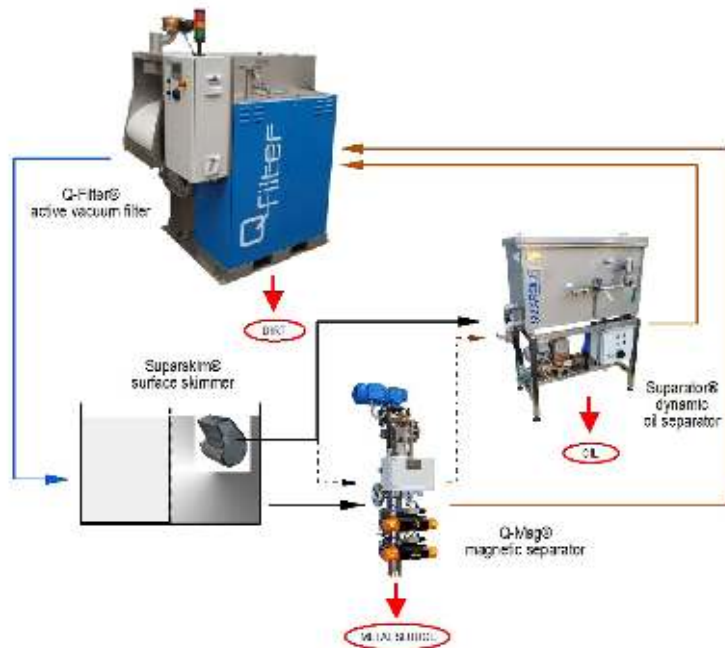
Subjects:

- See it work! At PaintExpo, Karlsruhe 26-29 April 2022, Hall 1 – Booth 1547
- Suparator®, a wolf in sheep's clothing!
- Pre-treatment of coating processes requires optimal bath maintenance
- High-end Equipment, Expertise and Guarantees; that is what you can expect from us!
- Reduce costs by disposing just oil instead of waste water or waste oil.

### See it work! At PaintExpo, Karlsruhe 26-29 April 2022, Hall 1 – Booth 1547

This year we will again be present at the PaintExpo Trade Fair. We will demonstrate Suparator®, Q-Filter® and Q-Mag®, not just as static separate pieces of equipment but in full operation, in one single closed loop.

At our booth we mix dirt and oil with water in a plexiglass tank and separate it again. This way you can see in practice how the dirt dissolves in the water and how clean water returns to the tank. In the same way as in a pre-treatment stage or in parts cleaning, as oil and dirt are washed from the products and mixed with the cleaner. Our systems separate it again. What it brings you is constant cleaning quality and minimal cost.

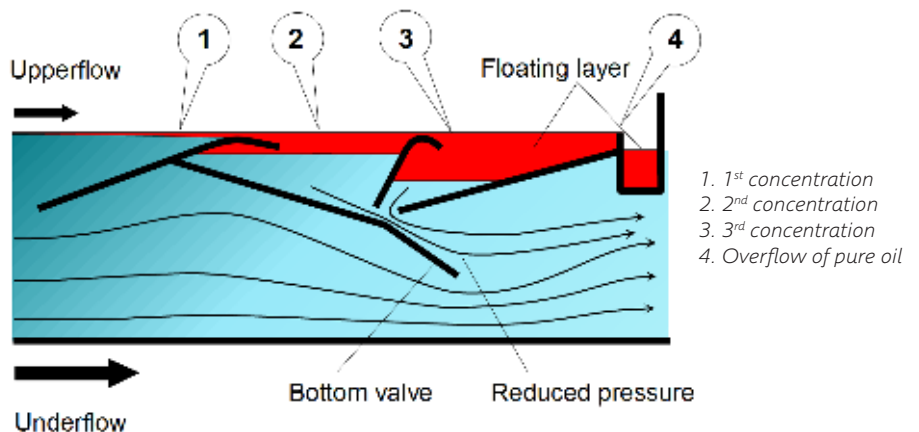


### Suparator®, a wolf in sheep's clothing!

We hear it so often.... 'Oh, it's a plate separator'. We admit, it does look like one, but it's not! It's a completely different system, a Super-Separator disguised as a conventional separator....

*A wolf in sheep's clothing!*

Suparator® is an oil separation system, totally different than any other. It is unique because of its patented, distinctive technological design, which makes it possible to separate oil in a physical dynamic way. By applying the Bernoulli principle, concentration of oil traces is made very efficient. No moving parts or any consumables. A clever design is all that's necessary to take out the oil from your process. And it really takes out just oil! No media, no chemicals..., just oil.



Your advantages:

- Maximum cleaner lifetime, up to 4-10 times over
- Gives optimal process / product quality

- Reduction of waste disposal and operating costs
- Makes your process more sustainable
- Maintenance free construction

## Pre-treatment of coating processes requires optimal bath maintenance:

### "All good things come in threes"

Pre-treatment is an extremely important stage in any coating process. After all, in this stage it is to a large extent determined whether the end product will meet the quality requirements. And every coater would prefer to know this in advance, right?!

Problems with adhesion, staining or inclusion of dirt on the product are caused by oil, dirt and metal particles in the process that remain on the products. It is therefore essential that the products are clean before the final coating is applied.

All good things come in threes. Essele Solutions has three solutions for removing oil, dirt and magnetizable particles in your bath:

1. Suparator® Dynamic Oil Separation for oil separation
2. Q-Filter® Active Vacuum Belt Filter for removing dirt
3. Q-Mag® Automatic Magnetic Separator for separating metal particles

The devices enhance each other but can also be used separately. Whether it concerns the pre-treatment of a tunnel-, chamber- or dip tank installation, the systems of Essele Solutions extract contaminants from the process so efficiently that they can hardly mix.

On our stand at the PaintExpo Trade Fair you can see all three devices in full operation.



Q-Mag® Full Automatic Magnetic Separator.  
No manual cleaning!

## High-end Equipment, Expertise and Guarantees; that is what you can expect from us!

In conversations with our customers, already at an early stage we make it clear. We supply two products: High-end Equipment and Expertise.

Based on our 30 years of experience, we have brought our equipment to a high standard in terms of efficiency, effectiveness / performance and quality. In this same period, we have become experts in the field of bath maintenance and as a result, our solutions include more than just supplying devices. If you decide for our equipment, advice on the correct

integration into your installation will automatically be a part of the delivery. We advise you in areas such as:

- Calculation of return headers, pipe diameters and routing, overflow weirs
- Modifications (small or large) to the construction of an existing installation for optimization purposes
- The position of dosing water and / or chemicals

We do this, not only to ensure that the solution / system works to your satisfaction, but also because we increasingly notice that specific technical knowledge of bath

maintenance is slowly disappearing from our customers. We have carefully saved this knowledge within our organization and we are happy to share it with our customers. All in order to guarantee the optimal result for your application. Exactly that guarantee is what we provide.



## Reduce costs by disposing just oil instead of waste water or waste oil.



Within the industry it is a permanent challenge to stay up-to-date with technology, for example in order to reduce and control costs. Also, responsibility for the environment is getting more and

more important, it concerns all of us! We can help you in taking your responsibility, because we can offer the solution: the combination of cost reduction and reduction of your environmental footprint.

Wastewater or waste oil for example. Water containing oil or waste oil containing more than 2-5% water is regarded as wastewater by collectors. And wastewater is very expensive to dispose of. But.... suppose you would only dispose of oil? Then you suddenly save a lot of money! The difference between disposal of oily water and pure oil is called Suparator®. A Suparator® System

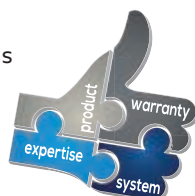
separates pure oil because of its unique method of Dynamic Oil Separation. It separates pure oil..., no water, no chemicals.

Less than 5% to even 2% of water means that the waste oil has a caloric value, high enough to be used as industrial fuel. That also means, in most cases, that you don't even have to pay for the collection and disposal of your waste oil.

Ask your contract company about the difference in disposal costs between waste water and oil. That is what you will save using Suparator®!!

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**Essele Solutions specializes in solutions to separate both oil and dirt from aqueous media.**

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