

News Letter 2021-2

Oil separation

Filtration

Magnetic separation

Subjects:

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- Parts cleaning: Q-Filter® and cleaning of hydraulic components
- Suparator® OEM-version, economical for machine manufacturers
- Reduce cost through extending bath life: start with saving drinking water!

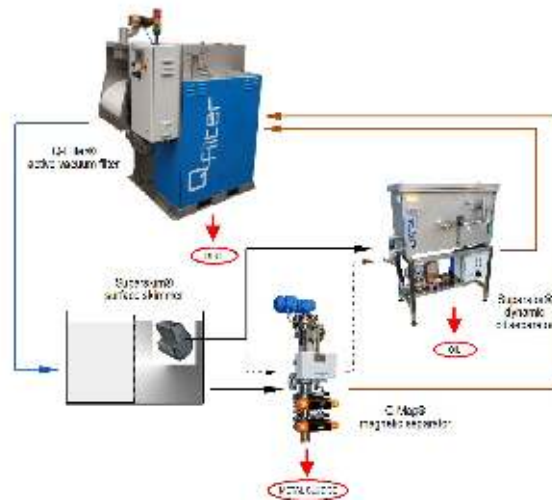
See it work! At parts2clean, Stuttgart 5-7 October 2021 (hall 4, booth A-36)

This year we will again participate in the parts2clean trade fair.

At our booth at the parts2clean 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.

Dirt and oil are mixed with water and separated from it again using Suparator®, Q-Mag® and Q-Filter®.

In a plexiglass tank, the centre piece in the whole configuration, you can see how the dirt dissolves in the water and how clean water returns to the tank. The same way as in parts cleaning or



a pre-treatment stage, where oil and dirt are washed from the products and mixed with the cleaner. Our systems

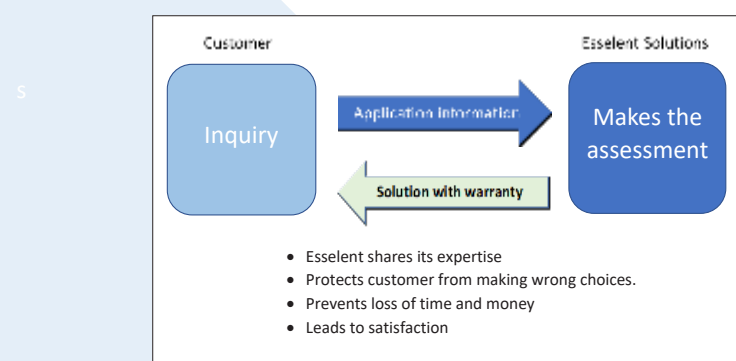
separate it again. What it brings you is a constant cleaning quality against minimal cost.

What can you expect from us? Equipment and Expertise.

Of course, we do sell equipment but we actually sell the expertise behind these devices. Our solutions therefore always consist of hardware and expertise. Expertise in terms of advice and integration support in the design- and engineering phase.

Our support and know-how is our added value and can be characterised by:

- A distinctive way of communication, based on sharing our knowledge and expertise and taking load off our customers shoulders.
- By sharing our knowledge, we fill in the increasingly declining knowledge regarding bath maintenance in the industry
- Our solutions are 100% expertise driven.



30 Years of experience has led to our expertise in the treatment of aqueous cleaning media and machining coolant. In close cooperation with our partners and customers and by asking essential questions, together we come to the right solutions. When our advice is taken,

we give a performance guarantee and provide lifetime free support.

We serve our customers with three self-designed and patented devices:

- Suparator® for oil separation
- Q-Filter® for particle filtration
- Q-Mag® for separation of magnetizable particles

Parts cleaning: Q-Filter® and cleaning of hydraulic components

Cleaning plays a very important role in the production of hydraulic parts. After all, the parts must be very clean before they can be assembled. The cleaning medium must therefore be particularly clean and Q-Filter® takes care of that. In this example, a Q-Filter® integrated in an automatic parts

cleaner removes particles larger than 5µm. With a capacity of 30m³/h, the cleaning medium is continuously kept at the required cleanliness. The oil is separated before the medium is passing through the Q-Filter®. This is to prevent clogging and excessive consumption of filter cloth.



Suparator® OEM version, economical for machine manufacturers

Especially for machine manufacturers of parts cleaning machines and automatic painting installations we have put together a stripped-down version of the Suparator® system, the so called OEM version. A number of OEMs already use a Suparator® oil separation system as standard in their installations.

Instead of a fully assembled system, we supply individual components; without frame, fitting material and without control system, but fully tested and with

integration support by our engineers. This makes it particularly interesting for machine manufacturers because the Suparator® system can be optimally integrated / fitted into their own machine and connected to the existing control system, all for a favourable price. This way you can supply your customer with a machine that includes the best oil separation system at a low price.



Reduce cost through extending bath life: start with saving drinking water, less is more!



Within the industry it is a permanent challenge to stay up-to-date with technology, for example in order to reduce and control costs. Today, responsibility for the environment is also rightly playing an important role.

And this is getting more and more important. Manufacturers such as AUDI, VW GM, BMW and Skoda pay serious attention to Corporate Social Responsibility and are reducing their Environmental Footprint. They take their responsibility in this, but of course 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.

It seems like a very simple chain; by extending the service life of a bath, less (expensive) drinking water is consumed

and disposed (polluted)... and less energy is consumed ..., and less chemistry is used, etc... Doubling the bath life quickly results in significant savings and a significant reduction in the load on the environment.

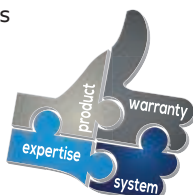
It seems simple, but actually realizing this and also guarantee the result, that's not easy. But we do it!

With our solutions, the current bath life is at least doubled, and depending on the situation and the solution, even more is possible. And because we are so convinced of our solutions, we offer a lifetime guarantee on the performance.

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

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