

News Letter 2022-2

E Oil separation

E Filtration

E Magnetic separation

Subjects:

- Bath maintenance, in full operation at parts2clean.
- New website live!
- Great savings on chemistry consumption
- Q-Mag®
- Suparator® OEM-version

Our equipment for bath maintenance, in full operation at parts2clean. Seeing is believing!!

This year we will again be present at the parts2clean Trade Fair. Come and see the LIVE demonstration of Suparator® Dynamic Oil Separator, Q-Filter® Active Vacuum Band Filter and Q-Mag® Automatic Magnetic Separator. Not just as static separate pieces of equipment but in full operation, in one single closed loop.

At our booth we mix dirt, metal particles and oil with water in a plexiglass tank and then 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.

See it work!

Stuttgart 11-13 October 2022
Hall 4 – Booth A34

parts2clean

New website shows our added value in bath maintenance more than ever.

We are proud to present, and we kindly invite you to visit our new website, our reception to really get to know each other. The website shows that Esselement Solutions is more than just a supplier of equipment. The six pillars that serve as the foundation for our solutions for bath maintenance are:

- Suparator® oil separation
- Q-Filter® particle filtration
- Q-Mag® magnetic separation
- Engineering for the most efficient solution imaginable
- Service and Maintenance
- Spares and Consumables

Our engineering in particular will be of great benefit to you. Here we provide the specialist knowledge that you may lack. Based on more than 30 years of



experience, we can work out the most efficient solution for each process individually. This includes a.o. the design of essential parts of tank constructions, piping and positioning of components.

All this to maximize the effectivity of our equipment and therefore the benefit for

you. Speaking of added value.....

Feel free to come and take a look and experience that there is more to Esselement Solutions than just supplying equipment.

By the way, did you know that our equipment and solutions are 100% self-designed?

Corporate Social Responsibility :

Two goals at once! Great savings on consumption of chemistry through 4 to 10 times extension of bath life.

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. This 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.'

The illustration shows all 5 cost items within a cleaning process, in which chemical consumption accounts for a

significant part. A Suparator®-System removes oil so efficiently that oil will no longer be the reason to replace the media. Dosing of course remains necessary but changing your media is held off for 4 to even 10 times!

In one fell swoop you not only save on your costs for chemicals, but also on all related costs such as disposal of chemical waste and water consumption.

On top of that, you contribute to a better environment and it brings you closer to achieving your CSR goals.



Q-Mag® is a powerful, high-efficient and fully automatic magnetic separator. No manual cleaning!



Q-Mag® automatically removes metal particles from a medium. The medium spirals around the rotating magnet, which significantly increases the chance that fines will be attracted by the magnetic field. The result is an extremely efficient separation of even the finest magnetisable particles.

What makes it so effective?

Particles, attracted by the magnet do not get a chance to build up on the magnet and cover it completely. The rotation of the magnet, in combination with the fixed Archimedes screw, creates a screw conveyor which continuously transports the particles, which are on the surface of the magnet, downwards to the bottom end. Here they fall into the collection chamber which is emptied automatically.

As a result, the magnet stays clean without interrupting the flow or removing the magnet. The magnet can constantly apply its full magnetic power and attract particles. In this way, there is always continuous separation.

Your benefits using Q-Mag®:

- Fully automatic
- Self-cleaning
- Self-emptying
- Continuous operation
- Maximum effectiveness
- Improves oil separation
- Concentrated sludge
- Easy integration

All these advantages make Q-Mag® a very efficient tool in bath maintenance.

Suparator® OEM-version, very economical for machine manufacturers

Specifically for 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 manufacturers 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.

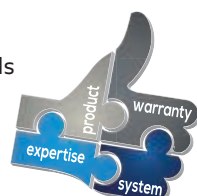
This makes it particularly interesting for machine manufacturers because the Suparator® system can be optimally fitted into their own machine and connected to the existing control system, all for a favourable price. Our engineers will support you with the integration. This way you can supply your customer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



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

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