




News Letter 2026-1

-  Oil separation
-  Filtration
-  Magnetic separation

Items:

- Bath maintenance, fully functional, LIVE! at PaintExpo 2026.
- Savings: Reduce the 'Pie Chart of Cost'
- Q-Mag® Higher Capacity
- FCS for professional maintenance
- New development: Specific pump for effective oil separation

Bath maintenance, fully functional, LIVE DEMONSTRATION! at PaintExpo 2026

For the 7th time we will be present at the PaintExpo, the most prominent Trade Fair for Industrial Coating Technology. On our stand, a LIVE DEMONSTRATION of Suparator®, Q-Mag® and Q-Filter®. Not just as static separate devices but as running equipment in full operation, all three in one closed loop, actually separating dirt and oil in real time!

What do we show? We have simulated a pretreatment process, on our stand! In a plexiglass tank we mix oil, dirt and metal particles with water and then separate it again in our unique and distinctive way. And we do this LIVE! You can see in practice how the dirt dissolves in the water and how clean water returns to the tank.

So don't miss the opportunity to see how significant savings on water and energy costs can be realised, as well as an improved and constant cleaning quality,



and a way to help you to reduce your carbon footprint. So take the opportunity to experience what cleverly designed, high-end equipment can do for you.



Guaranteed cost reduction AND Improved sustainability in pretreatment

May we introduce to you: The EsseleNT Solutions "Pie Chart of Cost"

This chart illustrates the cost factors involved in the pretreatment phase of an automatic paint- or coating line. Together, they make up the total cost of this crucial process step. For end-users, it is therefore highly advantageous to keep the pie as small as possible. Because what holds true in life also applies to production costs: "The smaller the pie, the healthier it is."

Imagine this: With a single solution, you can reduce not only energy costs, but

also water, chemistr, waste disposal, and labor costs-all at once! The key lies in substantially extending the service life of the cleaning fluid, and that is exactly what our expertise and equipment achieves, whether operating independently or as a combined solution.

Under the motto "one for all", a single solution delivers savings across all cost factors. What's more, you also reduce your CO₂ footprint, and you increase the process quality, so the sum of the parts is truly greater than the whole. Guaranteed!



PaintExpo-Introduction of Q-Mag® Type 20. Higher capacity!

Q-Mag® is a fully automatic, self-cleaning magnetic separator and has been successfully on the market for almost 10 years. Until now, in 2 versions (QM05 and QM10) with a capacity of 5 and 10m³/h.

Listening to market demand and based on our own experience, the QM20, with a capacity of 20m³/h is now added to the Q-Mag® range. While designing, we also took the opportunity to look at other aspects like ease of maintenance. This has led to a redesign of the existing Q-Mag® types QM05 and QM10 as well, making the entire range of the same design.

The control system is now based on the Siemens S7/1200 Series PLC, same as we use in our other devices. Also, the replacement of wearing parts has been made easier. The total result is that we have made Q-Mag® more maintenance friendly, which will save even more on maintenance costs than before.

Have you become curious? You can see the Q-Mag® QM20 in full operation at our booth at PaintExpo 2026!



The Esselement FCS-System, our approach for professional maintenance.

Our expertise is not limited to just our bath maintenance solutions. In fact, expertise is crucial when it comes to maintenance. Any technician can replace a component, but drawing the right maintenance conclusions based on a machine's behavior, process signals, and their analysis requires knowledge. Knowledge that our service team brings to every visit.

For maintenance, it's not only important that the work is done well, but also that machine downtime is kept to an absolute minimum, always keeping our customers' best interests in mind. That's why we developed the Esselement Flight Case System. This is a comprehensive kit that

includes all necessary tools, wear parts, and strategic parts. The kit is specifically equipped for each visit, based on the equipment present at the customer's site. This allows us to combine both inspection and execution of the work in a single visit.

With this approach, there's no longer a need to first conduct an inspection visit to identify the required work and parts. Your benefits at a glance:

- The performance is back up to standard.
- Expert technicians
- Only one visit for both inspection and execution
- Machine downtime is minimized



New development: Specific pump for real effective oil separation!

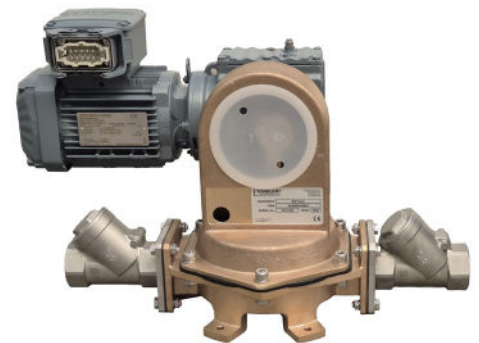
Driven by our ongoing mission to optimize bath maintenance, we have developed a dedicated pump which — as an integral part of the Suparator® type 86-system — makes oil separation even more effective, while reducing costs at the same time.

You still see it all too often... a pneumatic diaphragm pump, used for the transfer of oil-contaminated cleaning media. This type of pump, while low-cost, is by far the least suitable for the job, simply because it makes the oil drops very small. This is called dispersion and has a very negative effect on oil separation.

That is why we developed a special pump which transfers the contaminated cleaning fluid to the Suparator® in a way that prevents dispersion. The pump is self-priming, has a 0,37kW high-quality SEW-drive, is continuously adjustable and for easy maintenance it is fitted with a Harting connector.

Your benefits at a glance:

- Maximally effective oil separation
- Low energy consumption
- Reliable operation
- Low maintenance
- Easy exchange with existing pump.



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