

## SUPARATOR®

### Suparator® series 83

- The same unique Suparator® principle
- The most cost-effective solution for parts washers
- Baths up to 4000 liters volume
- Dedicated EM type pump; effective and low maintenance
- A range of options

The new Suparator® unit, model 83/120, with a capacity of up to 500 l/h, is just as powerful and effective as its larger brother, the 86/240 (up to 1000 l/h). That makes it the ideal device for parts washers where the holding tank for the cleaner is often less than 2000 liters.

#### What makes Suparator® better?

The main difference between a Suparator® unit and any other oil separator is that oil cannot accumulate inside the unit thanks to the special construction.

When oil accumulates, dirt accumulates, different oils get mixed, chemical and biological reactions occur. It becomes more and more difficult to separate the oil and the performance of the separator drops dramatically. Cleaning everything is the only option.

With Suparator® the oil, with the dirt, is separated in minutes, from the medium, into the drum. And separation starts, even when there is still only very little oil in the bath. The result: a cleaner bath at all times.



#### EM Pump

The Electric Driven Diaphragm pump or EM pump, introduced by Suparator® 8 years ago, has quickly become the preferred standard for flows up to 2 m<sup>3</sup>/h. The pump, totally different from an air driven double diaphragm pump, is especially developed for the application. It is absolutely non-emulsifying, not susceptible to dirt and debris and can run dry. Combined with the fact that maintenance is very low it is the ideal solution for the application.



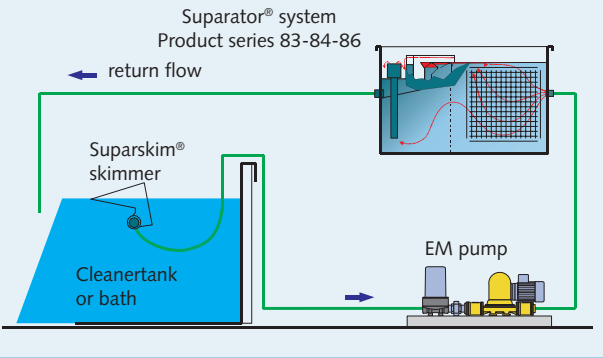
#### Special construction

The heart of a Suparator® unit is a passive construction, without any moving parts, which collects and concentrates the traces of oil in the medium before separating the oil. There is no maintenance required and cleaning only needs to be done occasionally. The standard flush function takes care of any dirt accumulation in critical areas.



### How a Suparator® unit is used

A Suparskim® skimmer takes the top layer from the bath which the EM pump transfers into the Suparator® unit. Inside the Suparator® unit the oil is concentrated and separated. The clean fluid is returned to the bath by gravity.

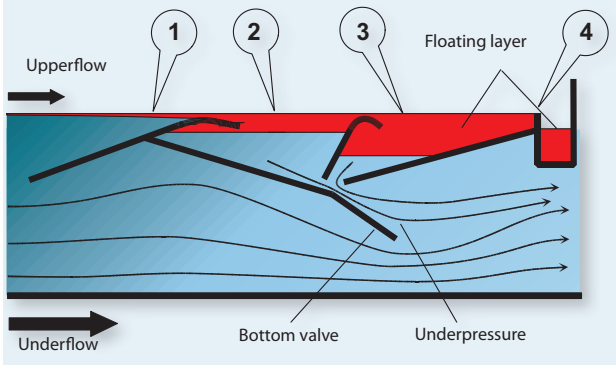


### Now Suparator® power on your parts washer

On larger degreasing systems it is common to install a good and effective oil separation system, but on parts washers the investment is often not considered justified. Yet the small volume of cleaning fluid makes the process extra sensitive to oil and when very oily parts are washed, or with long production hours, the cleaning is quickly compromised. The result is rejects, production stops and large waste volumes. With the new 83 system it is now not only possible but also economical to have the best possible oil separation, even on small parts washers.

### The four step Suparator® principle:

The upper flow carries any traces of oil into the device at 1. Traces get collected and start to accumulate in 2 after which concentration and layer build-up takes place at 3. Finally at 4, oil is separated without water or chemistry.



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Suparator® 83 OEM-set

### Economical for equipment 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. 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 against low costs the Suparator® system can be optimally integrated / fitted into their own machine and connected to the existing control system, all for a favourable price.

ITEM	OEM PACKAGE	RETROFIT UNIT
Suparator® unit	Yes	Yes
Tank cover	Yes	Yes
Flush header (basic)	Yes	No
Flush header (timer)	No	Yes
Pump	Yes	Yes
Stand	No	Yes
Control panel	No	Yes
Valves & fittings	No	Yes
Assembly	No	Yes
Superskim skimmer	Yes	Yes

### Technical details

Dimensions (bare unit)	901 x 435 x 650 mm
Dimensions (assembled unit)	994 x 504 x 1290 mm
Volume	120 liters
Capacity	Up to 500 l/h
Material	Stainless steel ASI 304
Inlet/Outlet/Drain (bare unit)	1 ¼ inch BSP female
Oil outlet (bare unit)	1 ½ inch BSP female

More information? Contact us at:

