



A sound investment in oil cleaning  
that pays back in less than a year

The Emmie.2 for oil cleaning



**More  
uptime**



**Reduced  
wear**



**Less  
clogging  
and  
corrosion**



**Decreased  
oil con-  
sumption**



**Reduced  
disposal  
costs**



**Reduced  
cost for  
filters**



# Efficient oil cleaning is now affordably yours

Using centrifugal separators to clean oil used to be a privilege reserved for companies with large oil tanks. Until now. The Emmie.2 from Alfa Laval makes highly efficient cleaning affordable for any size company.

This mobile centrifugal separator effectively removes water and solid particles from many different types of oils, whether hydraulic or lubricating oil, compressor or gear oil, cutting or diesel oil.

Just imagine the savings that you can realise by prolonging the service life of your oil. A single, easy operation is all it takes to increase uptime, reduce equipment wear and corrosion, and lower your costs.

In general, this compact go-anywhere separator pays for itself in less than a year. After that, you can add the savings directly to your bottom line.

- Less wear on system components
- Low oil replacement and disposal costs
- Less downtime for service
- Fewer man-hours required for maintenance
- Reduced impact on the environment



## Emmie.2 helps you realise greater savings with cleaner oils

### **Prolonging the life of your oils offers clear benefits. Clean oils reduce costs and boost productivity.**

#### **Small revolution, big savings**

The Emmie.2 is a small revolution in oil cleaning. It brings big savings to companies who use small oil tanks, using the time-tested technique of high-speed centrifugal separation. Lightweight and compact, the Emmie.2 is specifically designed to remove contaminants from all types of oils. It comes on wheels so it's easy to move wherever you need it. Use it to service several tanks, or just one.

#### **Highly effective, highly economical**

The Emmie.2 removes more than 99 percent of all solid particles between 2 and 5  $\mu\text{m}$  from the oil, and virtually all of the water but none of the additives. It effectively separates airborne dust and undesirable particles from wear on paint, metal, plastic or rubber components from the oil. It also removes water that causes additives to oxidate and decompose, too. Using this effective system helps solve many service problems.

#### **More reliable operations**

Always having clean oils has clear benefits. The Emmie.2 helps raise productivity by keeping your system running well. Cleaner oils mean longer lifetime and longer production runs without unscheduled production stops. Cleaner oils also mean fewer breakdowns due to solid particles clogging pumps and other equipment. Fewer stops for tank cleaning is yet another benefit.

#### **Easy to operate**

The equipment is easy to operate thanks to a PLC-based control panel. It takes only a minute to connect the Emmie.2 to the oil tank, then let system clean the oil without supervision.

#### **Longer lasting service life**

Using the Emmie.2 on a regular basis significantly extends the service life of your oils. By doing so, it also extends the service life of your system. Imagine the savings you can realise on oil and filter replacement and disposal – as well as the savings on replacing valves, pumps and other components.





## The Emmie.2 – so easy to use

The Emmie.2 is the perfect mobile solution to clean oils for small systems.

### Install in any system

Install the Emmie.2 in any system in bypass flow. No redesign on your machine is necessary.

### Extremely simple to operate

Ingenious, effective and easy to use, the Emmie.2 uses a PLC-based control system to regulate all functions.

### Plug-and-play operation

Hook up the Emmie.2 and start it up. The system works continuously and requires no supervision. Your oils last longer than ever before.

### Support worldwide and around the corner

Alfa Laval's global resources include 50 sales companies and an extensive Parts & Service network, supporting customers in more than 100 countries. A network of local distributors and service providers also provide support.



1 Solid particles accumulate inside the rotating bowl. To clean the bowl, just open it by conducting a few simple operations.

2 Once separated water reaches a pre-set level in the collecting tank, the control unit activates a microswitch. This stops the cleaning process and turns on an indicator light.

3 The surface of the rotating bowl is coated with a material that is 12 times harder than steel.

4 Move the mobile, compact unit wherever you need to use it.

# Designed to improve your processes time and time again

## Easy to operate and service



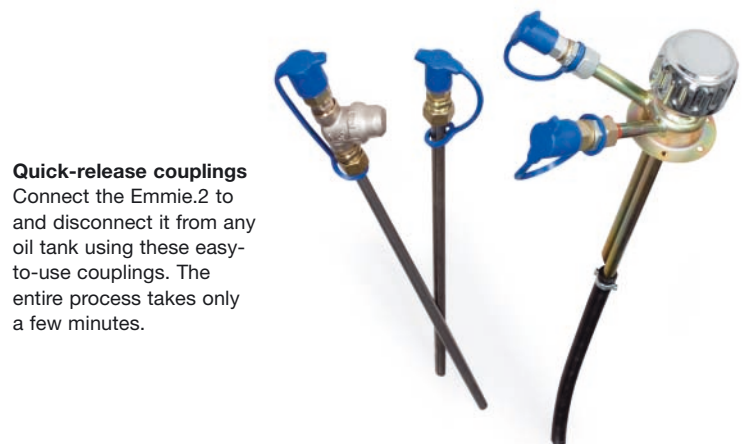
**Step 1**  
Fold down the safety yoke and remove the three bolts to open the separator.



**Step 2**  
Attach the tool and simply lift the separator bowl.



**Step 3**  
The dry sludge is easily removed from the inside of the bowl. After depositing the sludge, the system is ready for operation.



**Quick-release couplings**  
Connect the Emmie.2 to and disconnect it from any oil tank using these easy-to-use couplings. The entire process takes only a few minutes.



**How it works**  
Simply attach the Emmie.2 to any oil tank. Then start the separator and pump. The Emmie.2 pumps dirty oil from the tank, cleans it and recirculates it. No equipment modifications are required and production can continue while cleaning is in progress.

# Mobile to serve several systems

The Emmie.2 is a complete separation system that is ready for immediate use. The module easily moves on wheels to various oil tanks, servicing several different production stations.



## Technical data

### Capacity

Max flow, 50/60 Hz	200 l/h (0.88 gpm)
Sludge space	0.6 l (0.16 gal)

### Liquid requirements

Viscosity at separation temperature	Max 40 cSt*
Max. separation temperature	70°C (160°F)
pH value	6–9

### Electrical data

Voltage	230 V or 100–230 V** single-phase (±10%)
Frequency	50/60 Hz
Amperage	10/16 A

### Weight

Without heater	60 kg (130 lb)
With heater	100 kg (220 lb)

Dimensions, mm	With heater	Without heater
Length	620 (24 1/2")	615 (24 1/2")
Width	660 (26")	515 (20 1/2")
Height	1140 (45")	1140 (45")

\* For higher viscosity oils the oil is heated to reach suitable viscosity.

\*\* With optional starter.

Complete delivery includes stand, collection tank, suction device for oil tank and hoses.

## A small part of a big family

The Emmie.2 is a perfect example of how Alfa Laval develops innovative products by combining vast expertise and proven technology with advanced materials and design solutions. The Emmie.2 is the smallest separator in Alfa Laval's comprehensive range of solutions for cleaning oil. Our largest model has a capacity of 8,000 l/h.

Our total product range includes some 20 separators that treat wash liquids, coolants, other emulsions and paint waste. Alfa Laval is also the world's leading supplier of heat exchangers, helping customers around the world heat, cool and transport any type of fluid.



### Emmie.2 with external heater

The system incorporates a built in electric heater, which heats the oil to reach optimum viscosity prior purifying.

### **Alfa Laval in brief**

Alfa Laval is a leading global provider of specialized products and engineered solutions.

Our equipment, systems and services are dedicated to helping customers to optimize the performance of their processes. Time and time again.

We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuff, starch and pharmaceuticals.

Our worldwide organization works closely with customers in almost 100 countries to help them stay ahead.

### **How to contact Alfa Laval**

Contact details for all countries are continually updated on our web site. Please visit [www.alfalaval.com](http://www.alfalaval.com) to access the information.

