Emmie.2

Separator system for cost-effective cleaning of oil

Using high-speed centrifugal separation makes it possible to increase the reliability of the oil system and extend the service life of your oil. Alfa Laval's disc-stack separators provide fast, efficient, simultaneous three-phase separation of water and particles.

Emmie.2 removes more than 99 percent of all solid particles between 2 and 5 µm 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 oxidise and decompose, too.

Emmie.2 removes contaminations from many different types of oils whether hydraulic or lubricating oil, compressor or gear oil, or diesel oil. The result is lower costs due to prolonged service life of the oil and less disposal of filters and oil.

Emmie.2 is a complete compact system, including separator, feed pump and control system. It may be supplied with or without a heater. The control panel makes it easy to operate. The unit is installed in a bypass system and operates continuously.

User-friendly operation
Operator convenience is a key parameter in the design of the Emmie.2. The PLC-based control system is operated by means of a control panel. The symbols and messages in clear text are easy to understand. Quick couplings make it easy to connect the hoses when the cleaning unit is moved from tank to tank.

With its compact and ergonomic design, Emmie.2 is easy to move across the workshop floor. And you can use it to serve several tanks or just one.

1 Solid particles accumulate inside the rotating bowl. When the bowl requires cleaning, it can be opened with a few simple operations.

2 When the separated water has reached a certain level in the collecting tank, a micro switch is activated, stopping the cleaning process and turning on an indicator light.

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

4 Large wheels make it easy to move Emmie.2 even when the floor is not entirely smooth.

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

Meeting your needs

To meet all your needs, Alfa Laval offers a wide range of stationary or mobile separator systems for all types of fluids. Our offering ranges from systems with capacities suitable for smaller workshops to larger systems designed to clean complex and heavily contaminated fluids.

Our global organization guarantees easy start-up and, if you need a helping hand, an Alfa Laval service engineer is always close by. To support your operations further, Alfa Laval has a network of distributors and service partners who are always available to assist you.

We call this nonstop performance.

Technical data

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

Fluids 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 (±5%)
Frequency	50/60 Hz
Amperage (at 230/110 V)	10/16 A

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

Dimensions	With heater	Without heater
Length	630 (25")	615 (24 1/2")
Width	680 (27")	520 (20 1/2")
Height	1130 (45")	1130 (45")

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

Emmie.2 is delivered complete with stand, collection tank for separated water, dive tubes, hoses, service tool kit and instruction book.

The unit is equipped with two dive tubes (left) for suction and return of the oil. Optional is a tank filler device (right) with quick couplings.

The user-friendly control panel. Just choose oil viscosity, press the start button and the system operates without supervision.

Alfa Laval reserves the right to change specifications without prior notification.

How to contact Alfa Laval
Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com

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