



Extending the Service Life of Coolants

with Alfa Laval Centrifugal Separators

- Remove oil, grease and solid particles from industrial coolants
- Reduce fluid consumption
- Lower fluid disposal cost
- Eliminate use of consumables
- Lower production down time
- Extend tool life



Typical ROI is less than two years!

Additional Benefits

with Alfa Laval Centrifugal Separators

- Improved work environment
 - Less bacteria growth
 - No odor/improved air quality
 - Reduced risk for skin irritation/dermatitis
- Cleaner components, improved end-product quality
- Reduced impact on the external environment

More sustainable production through process improvement !



Product Range

We offer systems for removal of oil, grease and particulates form all types of water-based fluids – whether you're a small workshop or a large factory



Alfie 200

- * 1.2 GPM, 120 V or 400/460 V, 60 Hz
- * Complete tank-mounted unit for removal of tramp oil and particulates
- * Solids retaining (manual cleaning)
- * For coolants, wash liquids and other industrial fluids
- * Easy-to-use; Plug & Play



Alfie 500

- * 2.2 GPM, 120 V, 60 Hz
- * Complete skid-mounted unit for removal of tramp oil and particulates
- * Solids retaining (manual cleaning)
- * For coolants, wash liquids and other industrial fluids
- * Mobile, serves multiple tanks
- * Easy-to-use; Plug & Play

Product Range

We offer systems for removal of oil, grease and particulates form all types of water-based fluids – whether you're a small workshop or a large factory



AlfaPure S2
8.8 GPM



AlfaPure S3
13 GPM



AlfaPure S7
30+ GPM

Capacity →



Alfie 200

Capacity

Max. flow	280 l/h (1.2 US gpm)
Average flow	230 l/h (1 US gpm)
Sludge space	0.6 l (0.16 US gal)

Liquid requirements

Separation temperature	5–50°C (40–122°F)
pH-value	6–9
Working range (height of bellows)	100 mm (4")

Electrical data

Voltage	
50/60 Hz	400/460 V, three-phase
200/230 V	200/230 V, three-phase
60 Hz	120 V, single-phase (±5%)
Amperage	10 A

Weight

Complete unit*	14 kg (31 lbs) to lift 10 kg (22 lbs)
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* = excl. hand control unit and hoses.

Dimensions

Height of separator	520 mm (20")
Mounting plate	See illustration
Recommended free space above tank	750 mm (30")
Min. tank depth	200 mm (8")



Alfie 500

Capacity

Max. flow, 50/60 Hz	500 l/h (2.2 gpm)
Sludge space	0.6 l (0.16 gal)

Fluid requirements

Max. 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	10 A

Weight

Total weight, incl. stand	60 kg (135 lbs)
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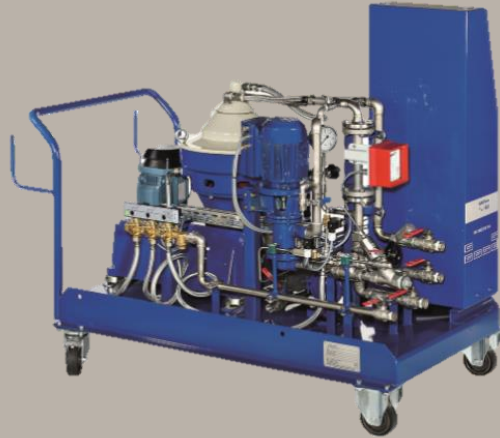
Dimensions

Length	620 mm (24")
Width	510 mm (20")
Height	1140 mm (45")



AlfaPure S2

– Performance



The Alfa Laval AlfaPure S2 module has a footprint of less than 1.3 m². It is easy to install and simple to operate. AlfaPure S2 provides easy access to the separator, valves and pumps. The basic and smart design simplifies dismantling and maintenance.

Technical data

Capacity

Coolants and wash liquids	900-2000 l/h
Lubricating oils	500-1200 l/h at correct viscosity

Operating requirements

Separation temperature	0-80°C
pH	6-13
Operating water pressure	200-600 kPa
Instrument air pressure	400-800 kPa

Installed power

Unit for water-based liquids	3 kW
Unit for industrial oils	3 kW
Ambient temperature	5-50°C

Dimensions

Stationary module (l x w x h)	1550 x 900 x 1265 mm
Mobile version (l x w x h)	1550 x 900 x 1448 mm
Weight	with bowl 500 kg, without bowl 465 kg
Power supply	3x400 V (380/440/460/480 V optional) 50 Hz (60 Hz optional)

AlfaPure S3

- Performance



The Alfa Laval AlfaPure S3 module requires less than 1.7 m³ of floor space. It is easy to install with all connections on the same side for a quick and simple installation and operation. The AlfaPure S3 is easy to service with good access to the separator, tanks and the pumps.

Technical data

Capacity

Coolants and wash liquids	600-3000 l/h
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Operating requirements

Separation temperature	0-80°C
pH	6-14
Operating water pressure	200-600 kPa
Instrument air pressure	400-800 kPa

Installed power

Unit for water-based fluids	4 kW
Ambient temperature	5-50°C

Dimensions

Stationary module (l x w x h)	1800 x 900 x 1310 mm
Mobile version (l x w x h)	2070 x 900 x 1555 mm

Weight	with bowl 616 kg, without bowl 579 kg
Power supply	3x400 V (380/440/460/480 V optional) 50 Hz (60 Hz optional)

Competing Technologies

Cleaning of industrial service fluids is a proactive method allowing for considerable annual savings. However, deciding on the single best technology can be a challenge. Different cleaning technologies all have different degrees of efficiency and cost.

The most common available alternatives are **centrifugal separator**, **filter** and **coalescer**.

	Disc Stack Centrifuge	Filter	Coalescer
Particles & Oil separation	Yes	No	No
Particles removal	Yes	Yes	No
Oily contamination removal	Yes	No	Yes
Capital cost	High	Low	Low
Operating cost	Low	High	High
Total cost of ownership	Low	High	High

Service Centers Worldwide



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