



## AlfaPure 2000 - For cost-saving cleaning of wash liquids, coolants and mineral oils.

### Separator system

Centrifugal separation allows you to greatly extend the life of your service liquids. Alfa Laval's disc-stack centrifuges accomplish a fast and efficient simultaneous three-phase separation of oil, water and sludge, regardless of the level and nature of the contaminants.

AlfaPure 2000 removes all traces of contaminating oil, grease and solid particles from wash liquids and coolants. The result is lower costs due to reduced fluid consumption, less disposal costs and improvements in both product quality and working environment. The version of AlfaPure 2000 for oils removes fine solids and water thus avoiding wear, corrosion and breakdowns.

AlfaPure 2000 is a complete module, easy to install and easy to use. It has a high capacity to size ratio. The module requires less than 1 m<sup>2</sup> of floor space and AlfaPure 2000 can handle tanks with a volume of up to 100 m<sup>3</sup>. In most cases, AlfaPure 2000 is installed in a by-pass system and operates continuously.

#### Innovative separator design

Innovations in the separator design increase separation efficiency and minimize service requirements down to once every 3-6 months.

- A new disc-stack design and a new paring disc give optimal separation efficiency, minimizing oil residues in water and sludge and giving a higher capacity.
- A pre-clarification stage in the bowl protects the system from fibres and coarse particles.
- The controlled partial discharge system minimizes sludge volumes and loss of liquids.
- The new bowl design prevents bowl fouling and reduces the need for cleaning.
- The new "top-end" design simplifies dismantling and maintenance.



The module is compact and user friendly with two "sides", one for operation and one for service.

### User friendly with the operator in focus

Operator convenience was a key parameter in design of the AlfaPure 2000. The module has two "sides", one for operation and one for service. The start-up and control units are on the "operation side", and the "service side" provides easy access to the separator, tanks and pumps.

- The module is very compact and is mounted on a 770 x 1200 mm frame. The frame has wheels simplifying installation and service and making it easy to move the module from tank to tank.
- The feed pump has stepless adjustment for smooth feed and making it possible to optimize separation performance.
- Sludge is automatically pumped from the intermediate tank to the disposal container.

### Optional equipment

- Surface suction device (water-based applications).
- Pump module (oil-cleaning applications).
- Heater module complete with pump for viscosity control (oil-cleaning applications).
- Crossflow filter for heavily contaminated coolants.
- One or two dosing pumps for addition of chemicals.
- Stainless steel design of all components in touch with the fluid.



The "service side" provides easy access to the separator, tanks and pumps. A "top end" 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	15-95°C
pH	6-14
Operating water pressure	200-600 kPa
Instrument air pressure	300-800 kPa

#### Installed power

unit for water-based liquids	3 kW
unit for industrial oils	2.2 kW (except heater if required)
Ambient temperature	5-55°C
Dimensions ( l x w x h )	1275 x 770 x 1765 mm
Weight	500 kg



#### How to contact Alfa Laval

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