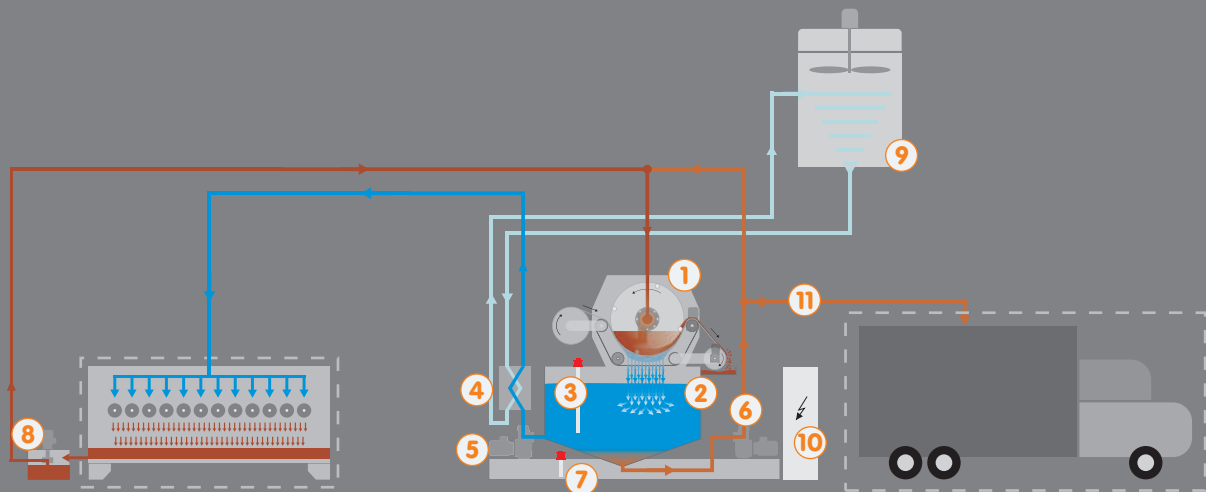


MFS

MODULAR FILTRATION SYSTEM
FOR COOLANT LUBRICANTS

COOLING & CLEANING



isyko.de

Equipment

- ① Drum Belt Filter made in stainless steel
- ② Tank with hopper floor made in stainless steel
- ③ Niveau in tank is arranged and controlled
- ④ Heat exchanger (Tempering unit)
- ⑤ Supply pump pressure-regulated and frequency-controlled
- ⑥ Circulation pump for coolant lubricant
- ⑦ Protection tank with leakage control
- ⑧ Returning pump (recirculation station)
- ⑨ Cooling unit (Cooling tower / refrigerating machine)
- ⑩ Central control cabinet with SPS and visualisation
- ⑪ Tank can be discharge by pump
- ⊗ Skimming system for lubricant surface (as option)

Description

The contaminated coolant lubricant is lifted by the recirculation station in the central filtration system. The coolant flows through the filter into the coolant tank. The niveau and the temperature in the tank is arranged and controlled by special switches and are shown in the display from the control cabinet and can also be set.

The non-filterable dirt particles settle in the hopper floor. The optional circulation pump is installed at the lowest point from the hopper floor and drawn up the mud which is pumped through the filter again.

This pollution of the tank and the coolant is significantly reduced. This process is cyclically adjusted. Also the contamination by bacteria is reduced and the life of the coolant will be improved.

The pressure-regulated supply pumps pump the coolant lubricant through the Tempering back to the processing machines.