Kelvion

- Wide range of sleeve bearing and maintenance free pumps
- The motor and bearings are fully flushed with transformer oil, preventing overheating
- Different pump designs are available for various applications

www.kelvion.com

## Transformer Cooling Systems

# TRANSFORMER OIL PUMP

## MARKETS

- Data Centre
- Power
- Transportation
- Oil & Gas
- Chemicals

## PUMP PORTFOLIO

### Axial-Pump (In-line) with Radial Impeller

Inline pumps with radial impellers 25, 50, 100, 2AR2 and 2AR4 series for forced transformer cooling systems.
The transformer oil flows through an inline mounted pump. A spiral casing serves for pressure buildup.
The working point can be specifically adapted to the cooling system by varying the impeller diameter.
Maintenance free sleeve bearings are available at 25, 50, 100 series.

### Axial-Pumps (In-line) with Propeller-Type Impellers

PR series pumps are used for transformers which are cooled by radiator batteries. The pump operation supports the natural convection during start-up and when ambient temperatures are high. Thanks to the large flow cross section of this pump, the free flow of the transformer oil is not restricted when the pump is switched off. For this reason, there is no need for a bypass when the pump is shut down in part-load operation. Partially available with sleeve bearings.

### Axial-Pumps (In-line) with Radial Impellers

Where space is restricted, angle-type pumps of the W series can be used for transformers with oil/water or oil/ air coolers.
An axial spiral casing serves for pressure buildup. The bearings and the motor are flushed with transformer oil.
The working point can be specifically adapted to the cooling system by varying the impeller diameter.

### Transformer Oil Pumps with Radial Impellers for Traction Transformers

Due to their lightweight and compact aluminum construction, the pumps of the B2 series are especially suited for transformers and power converters for rail-mounted vehicles. Pressure buildup takes place in the impeller. The bearings and the motor are flushed with transformer oil. The working point can be adapted to meet the operating requirements by varying the impeller diameter.