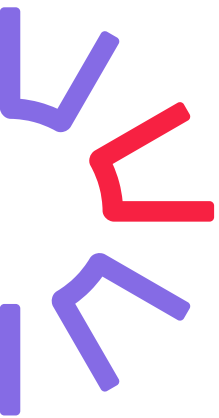


# Passenger Car Transmission Pump eLOP





## Optimized efficiency level.

**Demand-based oil supply for reduced energy consumption**

### Task

The electrified transmission pump (eLOP) with advanced vane pump technology reduces the energy consumption for the transmission oil supply, thus helping achieve emission goals. It operates independent of the combustion engine, enabling modern operating strategies (start/stop, coasting with the engine off).

In addition, the eLOP also supports partial and fully electrified powertrain architectures for passenger cars and light commercial vehicles.

### Function

When used as the primary pump, the eLOP works to save energy as a demand-based oil pump. It also takes over as the exclusive oil supply for vehicles with an electric powertrain.

The eLOP is operated together with a transmission pump when used as a secondary pump. This enables the use of a smaller, unre-

## For partially and fully electrified driving.

**Oil supply independent of the powertrain.**

gulated main pump, which means additional energy savings.

### Variants

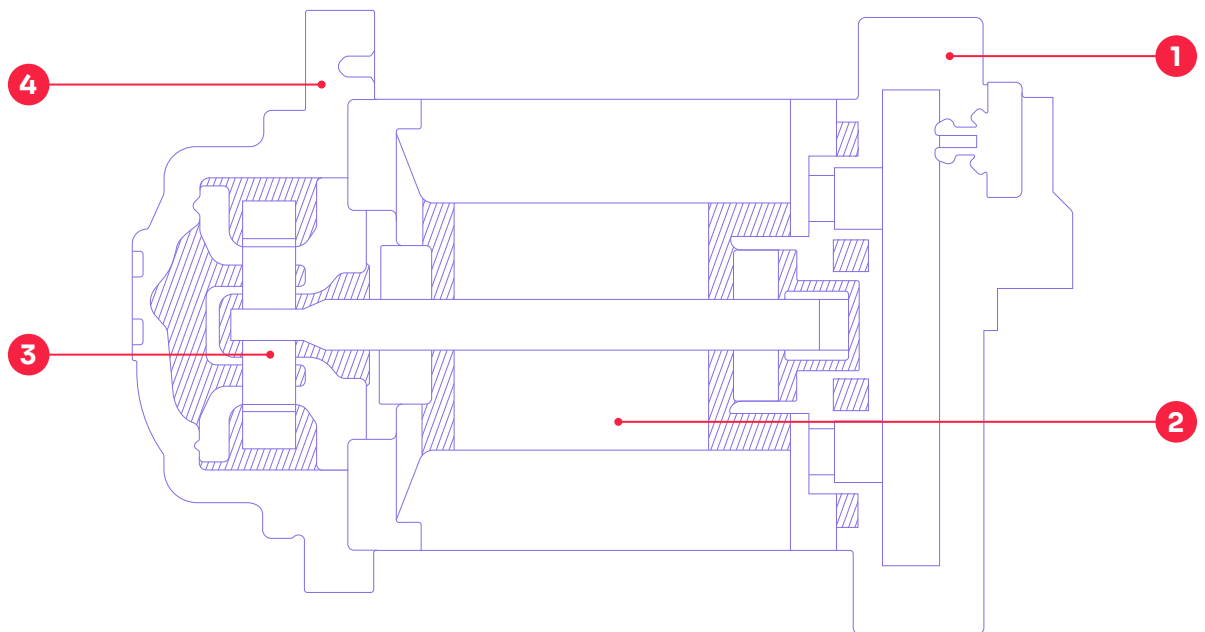
The wide-ranging manufacturing program of Evamo® includes various pump designs and model series.

Please feel free to contact us at any time for other individual wishes regarding technical requirements.

### Product benefits

- Hydraulic connection as a cartridge solution
- Integrated power electronics for transmission operation
- Security concept against cyber-attacks
- Demand-based, energy-saving oil supply for automatic transmissions

- 1 ECU housing
- 2 Motor housing
- 3 Rotor with vanes
- 4 Pump housing



**Technical data**

Max. delivery volume (cm <sup>3</sup> /rev)	15 @ 1.0 MPa
Max. rotational speed (rpm)	4,500
Max. pressure (MPa)	4.0 @ 4.2l/min
Gewicht (kg)	< 1,6
Max. temperature range (°C)	-40 to +140
Drive	E-Motor (BLDC)
Voltage (V)	12
Max. power consumption (A)	60
ECU	integrated
Communication	CAN Bus