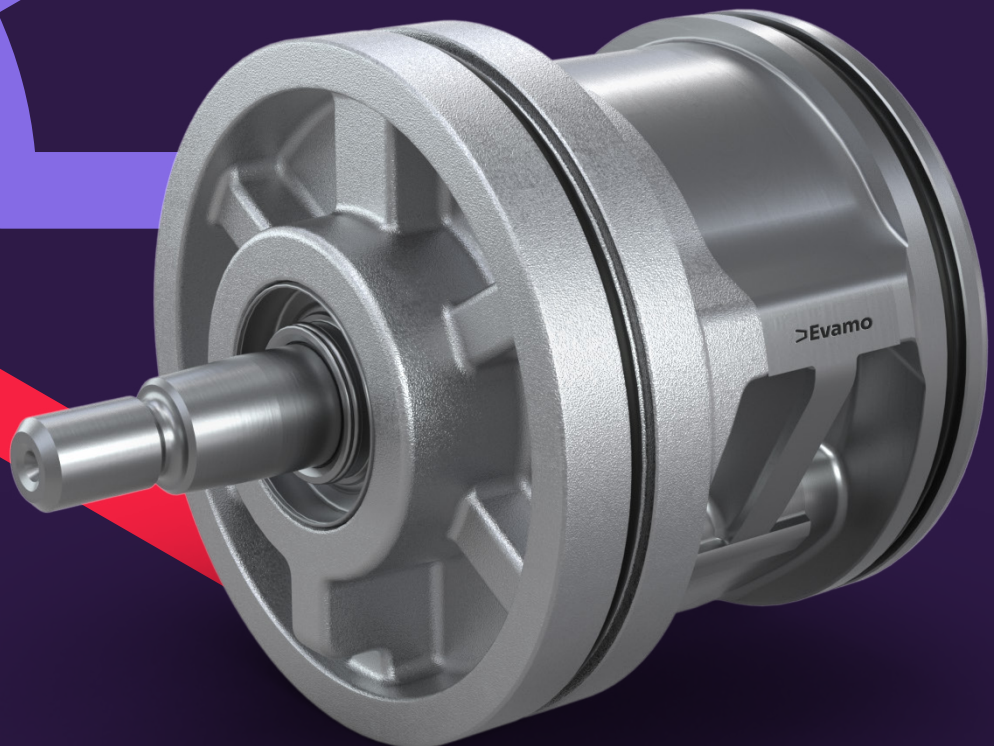


# Passenger Car Transmission Pump FPG





## Flexible Design.

Available as a single- or dual-circuit pump, with symmetrical or asymmetrical suction/pressure zones

### Task

The unregulated FPG vane pump supplies exactly the right amount of oil and pressure that is needed for shifting and coupling in passenger car transmissions. In addition, the FPG also supplies the transmission components with oil for lubrication and cooling.

### Function

The FPG transmission pump consists of a housing, cover, front plate, shaft and a rotor set. The rotor set is comprised of a rotor, radially-guided blades in the rotor as well as the outer ring.

The volume flow of the unregulated vane pump is determined by the geometric delivery volume and the speed of the rotor set. The pump speed is the result of the transmission speed and the selected gear ratio.

## Maximum Efficiency

due to advanced vane pump technology

### Variants

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

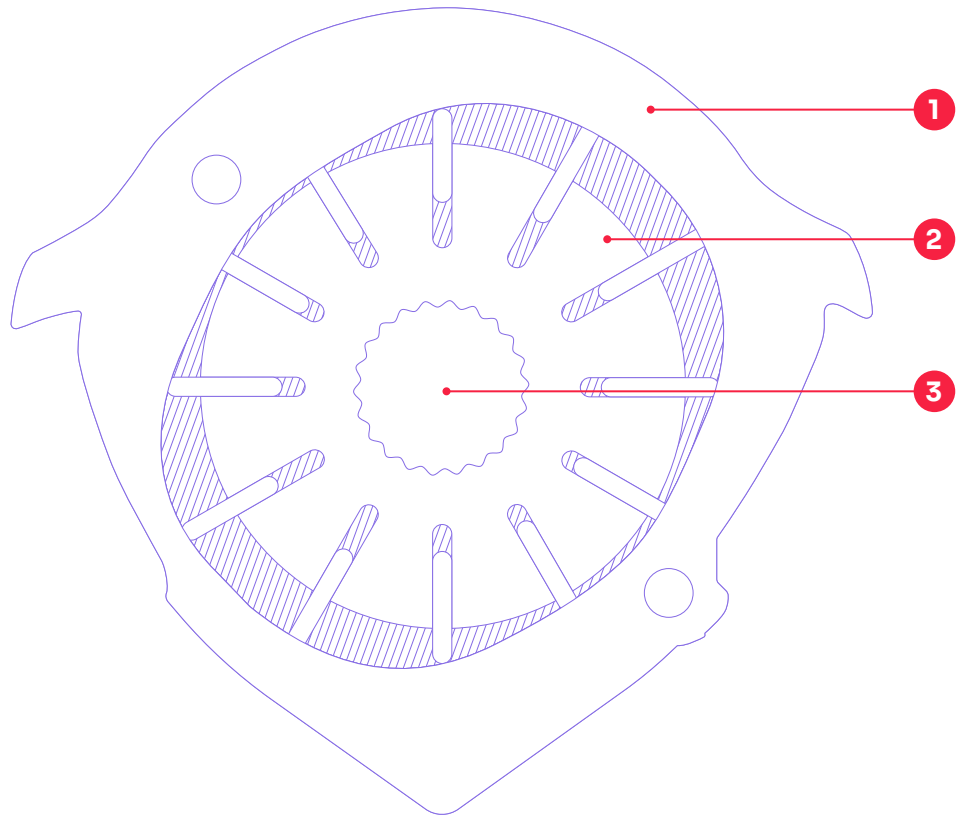
The FPG can also be used as a cartridge solution (without a pump housing) in the existing transmission housing. The single-circuit version enables the interconnection of both pressure outlets. The dual-circuit pump is available with either symmetrical or asymmetrical delivery volumes and pressures.

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

### Product benefits

- Compact design
- High efficiency at a light weight
- Robust, wear-free design
- Optimal hydraulic transmission supply
- With housing or as a cartridge solution

- 1** Cam ring
- 2** Rotor with vanes
- 3** Driveshaft



**Technical data**

Model	1-circuit	1-circuit (sym.)	2-circuit (asym.)
Max. displacement volume (cm <sup>3</sup> /rev)	15	15	15
Max. speed (rpm)	7,900	7,900	7,900
Max. pressure (bar)	22	70	70
Max. controlled flow (dm <sup>3</sup> /min)	118	118	118
Max. oil temperature (°C)	140	140	140
Weight (kg)	0.6	0.6	0.6
Drive	directly or via a sprocket		
Drive direction of rotation	clockwise or counter-clockwise		