

Passenger Car Power Steering Pump FP4





High-precision: FP4 power steering pump

Excellent steering performance as standard. The FP4 power steering pump ensures optimal servo-assisted steering in passenger cars and light commercial vehicles.

Tasks

The FP4 power steering pump converts mechanical force into hydraulic force in order to supply the steering gear with a controlled volume of oil.

Function

The FP4 is attached to the engine mount. You also have the option of mounting it in the vehicle via the brackets on the pump. The pump shaft is installed in the housing with a ball bearing and on the rear side with a needle bearing. When the pump starts, an oil flow is supplied to the steering gear, the amount of which depends on the input speed and the fixed displacement of the pump.

Once the specified supply flow has been reached, the slide valve opens so that the supply flow through the valve screw to the steering gear remains stable according to the set value.

Varianten

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

The FP4 power steering pump can be attached to the engine mount or there is the option of mounting it via the attached brackets in the vehicle.

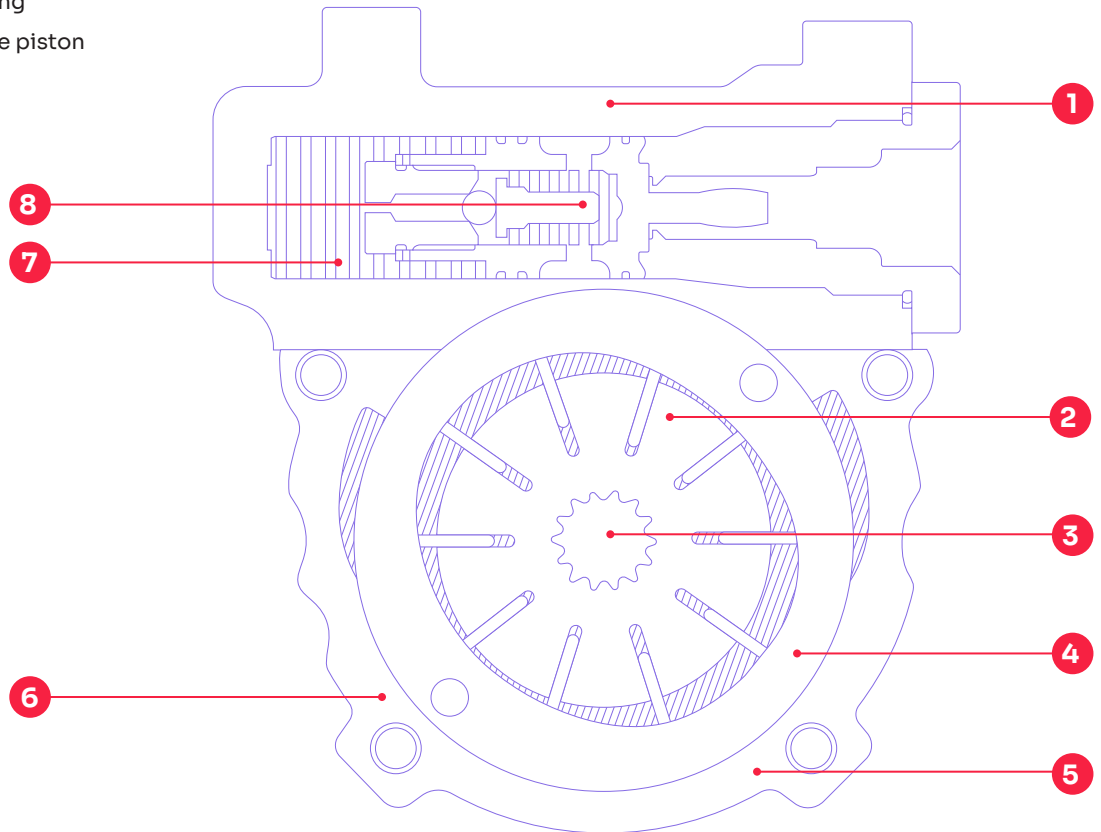
In addition, it can be mounted via an engine mount or optionally via brackets that are already attached in the vehicle.

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

Product benefits

- Power steering pump with high performance
- Robust design
- Standard mounting according to VDA specification
- Drive direction of rotation clockwise or counter-clockwise

- 1 Suction port
- 2 Pressure port
- 3 Cam ring
- 4 Rotor with vanes
- 5 Driveshaft
- 6 Housing
- 7 Spring
- 8 Valve piston



Technical data

Displacement volume (cm ³ /rev)	7	8.5	11	12.6
Controlled volumetric flow (dm ³ /min)	7-12.5			
Max. rotational speed (rpm)	8,500-9,000			
Max. pressure (bar)	130			
Max. oil temperature (°C)	120			
Weight (kg)	1.54			
Drive	belt or direct drive			
Drive direction of rotation	clockwise or counter-clockwise			