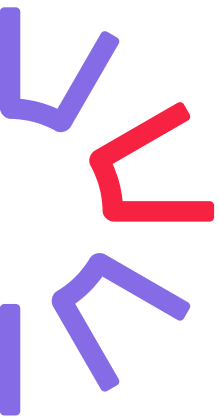


Passenger Car Power Steering Pump FPC3





Simply impressive: FPC3 power steering pump

Our FPC3 power steering pump is impressive with its consistently high performance and robust design. A reliable top performer in hydraulic steering systems for passenger cars and light commercial vehicles.

Task

The powerful FPC3 power steering pump supplies exactly the right amount of oil that is needed for operating hydraulic steering systems in passenger cars and light commercial vehicles.

Function

The FPC3 power steering pump is powered via a motor belt drive. The hub or belt pulley is pressed onto the shaft. Mounting the pump to the engine bracket is done either directly or via a pump bracket.

The FPC3 consists of a housing with a pressed-in intake port and an integrated volume flow control, valve screw with a pressure connection thread, cover, front plate, shaft and rotor set. The rotor set is comprised of a rotor, ten radially-guided blades as well as the cam ring with two symmetrically arranged suction and pressure zones.

The fixed geometric delivery volume is defined by the design of the cam ring. The pump shaft

is installed in the housing with a ball bearing and in the cover with a needle bearing.

The volume flow control limits the supplied volume flow to a fixed value and a pressure control valve in the valve pistons controls the system pressure.

Variants

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

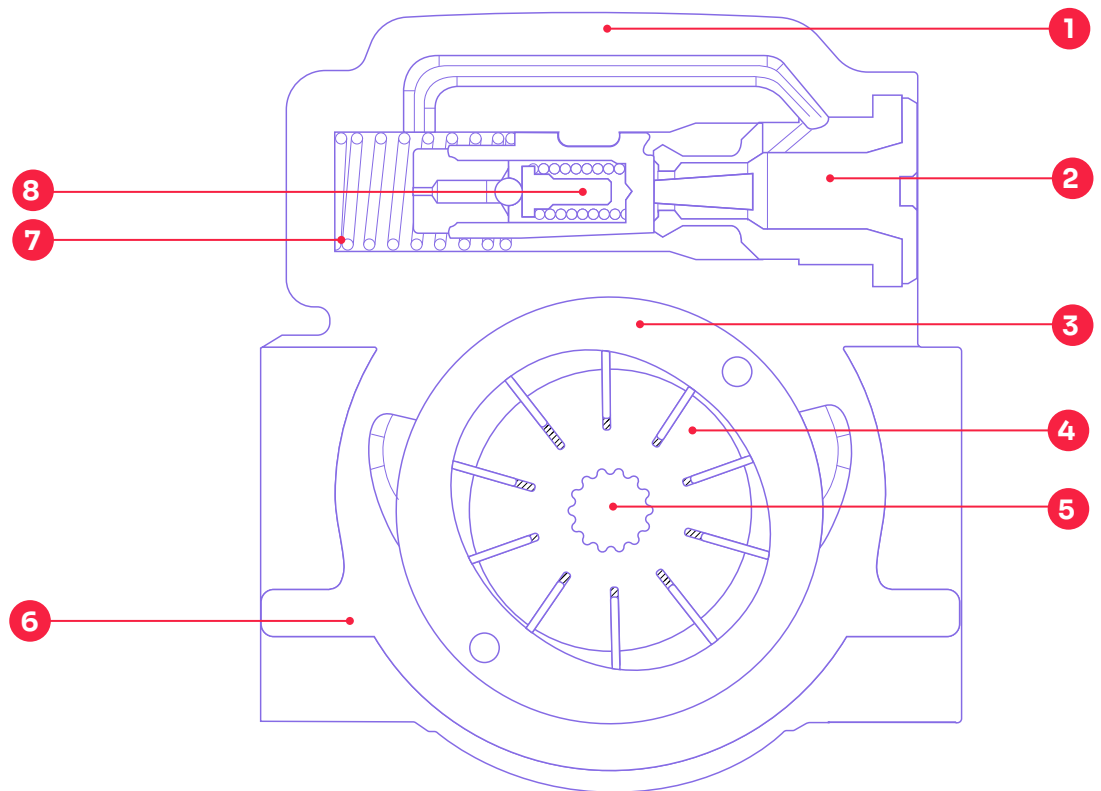
Due to our flexible construction method, we can implement customer-specific requirements in the production of the FPC3 power steering pump. This gives us the option of installing customer-specific drive components or brackets in order to adapt the pump to the assembly space.

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
- Integrated volume flow control
- Integrated pressure limiting

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



Technical data

Max. theoretical displacement (cm ³ /rev)	14	15
Max. controlled flow (dm ³ /min)	11-15	
Max. rotation speed (rpm)	9,000	
Max. pressure (bar)	130	
Max. oil temperature (°C)	135	
Weight (kg)	1.45	
Drive	belt drive (optionally customized)	
Drive direction of rotation	clockwise or counter-clockwise	