

## HP4VG series

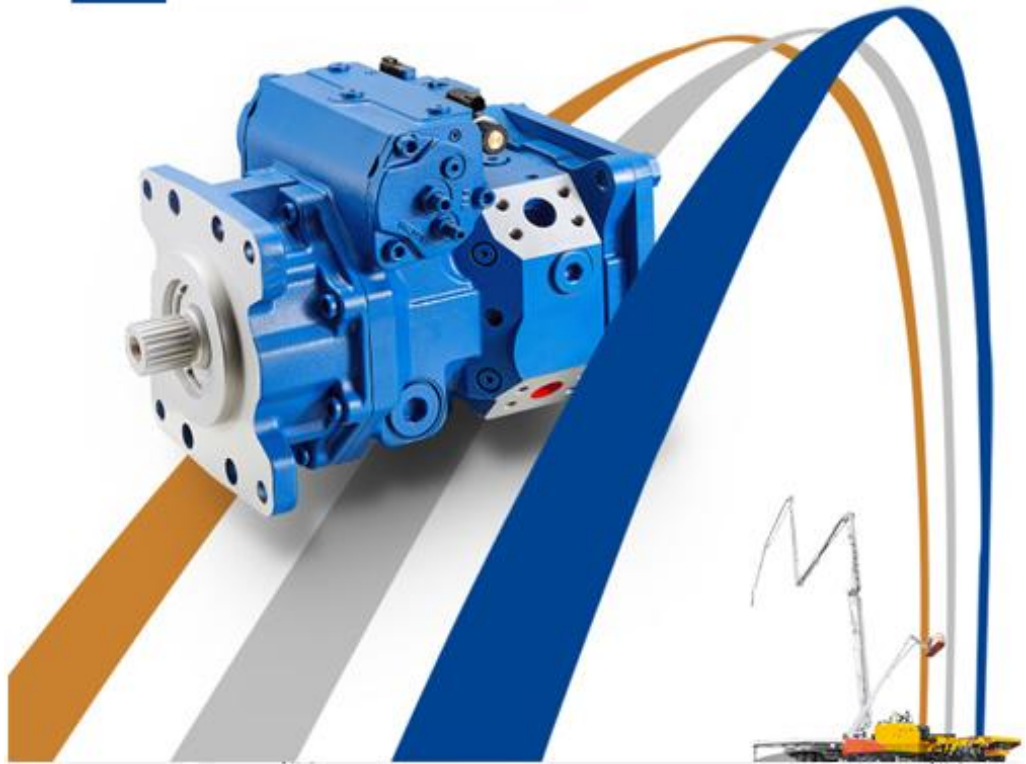


Swash-plate Type Axial Piston  
Closed Loop Piston Pump

# Ultra-High Pressure

Rated pressure: 400-450 bar

Peaking pressure: 450-500 bar

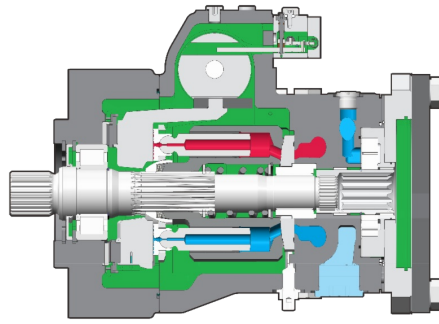


## HP4G Series Swash-plate Axial Piston Pump

HP4G series swash plate axial piston variable pump is a high pressure closed circuit pump built by Hengli, which has the advantages of high pressure, compact design and high power density.

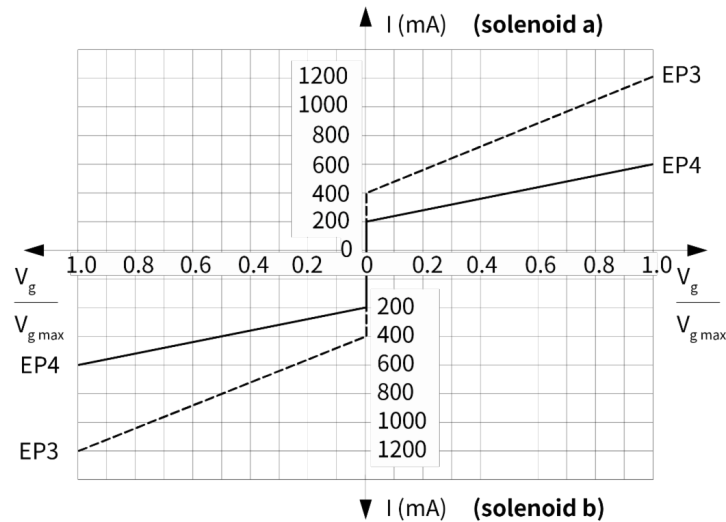
The [HP4G series pump](#) is designed for the hydrostatic transmission. By changing the angle of the swash plate, stepless adjustment of two-way flow can be achieved. At present, this product has three different displacement specifications of 60, 100, and 175cc/r available.

HP4G closed circuit pump can reach a rated pressure of 400-450bar and a maximum pressure of 450-500bar. At the same time, the product is designed with special high-speed rotating components and bearings, which can meet the application requirements of customers for harsh working conditions such as high pressure, high speed, and frequent impact.



HP4G175 half-section diagram

HP4G series closed circuit pump is available with the EDC control that the EP3 and EP4 control methods have a wider application prospect. Moreover, a direct-push proportional solenoid with a voltage of 12V/24V is used for the EDC control. The variable structure is simple, anti-pollution ability is stronger, and response speed is better.



## Advantages

- When the swash plate passes the neutral position, the hydraulic oil flow direction will change smoothly
- Higher transmission efficiency and input speed
- Two pressure relief valves are installed on the high pressure side to prevent overload
- HP4G175 pump adopts the integrated design of the shell back cover to reduce leakage points
- Equipped with charge pump, can also be used as a control pump
- Optimized shell design to reduce vibration and noise
- A variety of oil outlet connection methods to optimize pipeline connection

## Parameter

Specification	Displacement cc/rev	Rated Pressure bar	Max Pressure bar	Rated Speed rpm	Max Speed rpm
HP4G 60	60	400	450	3600	3900
HP4G 100	100	400	450	3000	3300
HP4G 175	175	450	500	2650	2800

## Application

The HP4G series closed circuit pump with superior comprehensive performance can be widely used in many fields such as aerial work platform, road rollers, pavers, concrete boom pump trucks, horizontal directional drilling, crawler cranes, sugarcane machines, flatbed trollies, etc.



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