



GP DC Magnetic Drive Gear Pump

Corrosion-Resistant Magnetic Driven Gear Pump Head MG200PK Series

>> Product Description



MG200PK magnetic driven gear pump is a new type of gear pump featuring gears and housing made from advanced engineering plastics. This construction enables the pump to operate reliably even in environments without lubricating fluids and when handling highly corrosive liquids. By utilizing a magnetic coupling transmission design, it completely eliminates shaft seal leakage issues, earning it the name "leak-free gear pump." It is mainly used for conveying curing agents (such as benzenesulfonic acid types) in casting equipment, as well as for micro-dosing strong alkaline liquids in laboratory and chemical production applications.

>> Product Futures

Pump Type	DC Magnetic Drive Gear Pump
Medium	The liquid containing the particle diameter of ≤ 20 microns, granule hardness less than the hardness of PEEK.
Temperature	The transmission medium temperature: $-10^{\circ}\text{C} \sim 100^{\circ}\text{C}$ (except frozen). Ambient temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$.
Environment	High pressure (3bar) used in a closed system under vacuum (-0.8bar).
Materials	The inner rotor gear pump for NdFeB magnets PPS plastic coated, static sealing material is PTFE; rotor cover material Stainless Steel 316.

>> Technical Parameters

Model	Displacement	Max Pressure	System Pressure	Speed Range	Medium Viscosity	Gear Height	Shell Material	Gear Material
MG204PK	0.27 ml/rev	2 bar	-0.8~3 bar	500~3000 rpm	0.2~1500 cps	4 mm	PPS Plastic	PEEK Plastic
MG209PK	0.55 ml/rev					9 mm		
MG213PK	0.75 ml/rev					13 mm		

>> Outline Dimension

