

High pressure infusion pump selection manual

+86-10-400-6698981

BEIJING BUILDER ELECTRONIC TECHNOLOGY CO.,LTD

北 京 彼 奥 德 电 子 技 术 有 限 公 司

Product Introduction

High pressure infusion pump is the core component of accurate liquid material transportation. Widely used in pharmaceutical, fine chemical, green chemistry, catalytic reaction, high molecular chemistry, petrochemical, food, energy, environment, materials and other fields.

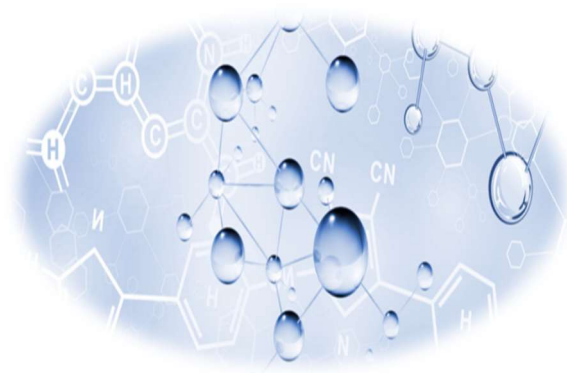


Advection pump (high pressure plunger pump, high pressure constant current pump, medium pressure constant current pump) Application areas: Petrochemical catalytic reaction, chemical synthesis reaction equipment, micro-channel reactor,

fixed bed catalyst evaluation device, distillation separation test device, tube reactor tube reaction device, food, pharmaceutical, liquid chromatography analysis, supercritical extraction, separation, atomic energy science, environmental science of various liquids precise trace transportation.



316L Plunger Pump



Scope of application

Water, conventional organic solvents of non-free halogen ions, conventional inorganic concentrated acid solvents (without halogen), conventional organic base reagents, inorganic base solutions, etc.



Inapplicability

Halogen-containing strong acid solutions at various temperatures, some strong acid solvents and inorganic salts.



Instrument Parameter

Model	HP3010	HP3050	HP3100	HP3200
Flow range	0.001-9.999 (ml/min)	0.01-50.00 (ml/min)	0.01-99.99 (ml/min)	0.01-200.00 (ml/min)
Flow increment	0.001ml/min	0.01ml/min		
Flow accuracy	±0.5%			
Flow stability	RSD≤0.3%			
Pump head material	316Lstainless steel			
Pump head type	Series connection		Parallel connection	
Liquid contact medium	316Lstainless steel 、 PTFE、PEEK、 sapphire 、ruby	316Lstainless steel 、PTFE、PEEK、 sapphire 、ruby 、 ceramics		
Inlet pipe outer diameter	1/8" external diameter 2mminner diameter PTFEPipeline	4mm external diameter 2.5mminner diameter PTFEPipeline		6mm external diameter 4mminner diameter PTFEPipeline
Outlet pipe outer diameter	1/16" Standard 316L stainless steel pipe connection			
Outlet pressure	≤42 MPa	≤30 MPa	≤20 MPa	≤10 MPa
Check valve	Standard check valve			
Electric machine	Stepper motor			
Communication protocol	RS231/485/Modbus agreement			
reveal	OLEDliquid-crystal display			
Power source	100-240V AC, 50/60HZ			