



High pressure infusion pump selection manual

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Product Introduction

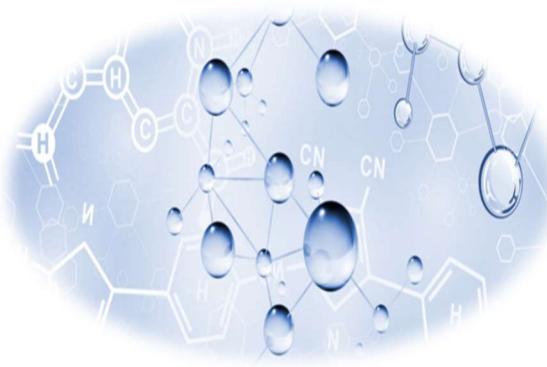


High pressure infusion pump is the core component of accurate liquid material transportation. Widely used in pharmaceutical, fine chemical, green chemistry, catalytic reaction, high molecular chemistry, petrochemical, food, energy, environment, materials and other fields.

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		