

PilotPump Sanitary High Pressure Pump

Sanitary transfer of pilot sample of fluid with pressure

Unique Benefits

- **Energy efficient:** half energy loss of the most homogenizers
- **Small:** integrated design delivers the light weight and small dimensions
- **Smart:** programming control systems confer diligent and foolproof functions
- **Silent:** noiseless performance with high energy efficiency
- **Strong:** more than 80L/hr
- **CE compliant and RoHS compliant**

Piston Dual Pump/Flow controllable



PilotPump series electric sanitary high pressure pump is an equipment operated with the touch screen and controlled intelligently by program. It can be used for industry pilot preparation of fat emulsion, liposome, nanosuspension, lipid microsphere, nanoemulsions, dairy products, infusion solutions, cell disruption, juice homogeneity, fine chemical engineering, dye and etc. The maximum working pressure is 20,000 Psi/1,500 Bar. All parts touching with medium are FDA approved sanitary materials including 316L stainless steel, 17-4PH stainless steel, titanium alloy, tungsten carbide, PTFE, UHMWPE.

Specifications

Catalog No.	PilotPump-1500	PilotPump-1000	PilotPump-800	PilotPump-500	PilotPump-300
Flow Rate	20L/hr	25L/hr	30L/hr	60L/hr	80L/hr
Min. Sample	100mL	100mL	100mL	200mL	200mL
Max. Pressure	1,500bar	1,000bar	800bar	500bar	300bar
Dimensions (cm)	130×60×30	130×60×30	130×60×30	130×60×30	130×60×30
Weight (kg)	150	150	150	150	150
Max. Temp.	80°C (176°F)				
Power	220V/380V/440V				
Cleaning	CIP/SIP/flush to clean				
Features	Digital display of pressure or sanitary pressure gauge				



Phone: +1(949) 932-0294
Fax : +1(323) 978-4693
Email: Nano@Genizer.com
<http://www.genizer.com/products/Pilotgenizer.asp>

Discount available for public research. Genizer.com reserves the right to change specifications without notice. © 2009 by Genizer. All rights reserved. English Version 220324.

PilotPump Sanitary High Pressure Pump



PilotPump



Control Screen



Side View of PilotPump

Standard Features

Parts	1 diamond interaction chamber
Control System	High pressure programming control systems [®] : touch screen, speed control, auto stop control by volume, time, pressure or temperature, settable volume control, display of flow rate and time, overload protection
Pressure Gauge	Electric
Inlet Type	1" tri-clamp
Outlet Type	1" tri-clamp
Inlet Reservoir	1L stainless cylinder or online
Outlet Reservoir	1L stainless cylinder or online
Product Material	316L stainless steel, tungsten carbide, viton, teflon, UHMWPE
Material Standard	Pharmaceutical grade, FDA & GMP approvable
Warranty	1 year against any manufacturing defects

Available Option

Parts	Liposome extruders, homogenizing valves, heat exchanger
Cooling System	Sanitary heat exchanger (HPE350 or HPE450)
Detector	Pressure gauge, pressure and temp. transducer
Inlet/Outlet Type	Luer or 1" or 2" tri-clamp or 3/8" high pressure coupling
Inlet/Outlet Reservoir	1L, 2L stainless steel open reservoir; 2L, 5L pressurized stainless steel reservoir; online or tank
Cylinder	Titanium high pressure cylinder (resistant to strong acid and base)