





InnoSep!BioPilot is design for bio!molecular purification in scale!up. It can be used for hundreds gram purification and drug production.!!

-		
brane valves. The inlet lin	e can be added by custome	r's requirements."
Gradient system added w	vith matched solution inlet."	
One ultrasonic air sensor used to detect air bubble in solution		
and sample."		
30L/h, Double dia-	60L/h, Double diaphragm	180L/h, Double dia-
phragm metering	metering pumps, 10bar"	phragm metering pumps,
pumps,10bar"		10bar"
For drain process of pum	p."	
Display and record the flow rate of system. One is in main flow path, the other		
one is in branch flow path."		
Static mixing, forming gra	adient eluent."	
Used to monitor the pressure and secure the chromatography system. There are three pressure transmitter in system. Two detect the block of filter. One		
One automated bubble to	rap equipped with by!pass, p	purge "
Cartridge filter, pore size 0.2 $\mu m.$ One online filter with by pass, drain function."		
One membrane manual valve used to inject small quantities of sample to test		
the column efficiency"		
One ultrasonic air sensor	used to detect air before so	olution entry into column."
One specific block of 5 membrane valves to ensure by!pass and backflush functionality"		
Conductivity and pH sensor after the column exit (pH range 1!14, conductivity		
0!500 mS/cm)"		
Mutil!wavelength UV de	tector(190~700nm) equippe	ed with a fiber optical flow
cell"		·
Five pneumatic 2!way m	embrane valves (normally c	losed) used to perform the
	brane valves. The inlet line Gradient system added water One ultrasonic air sensor and sample." 30L/h, Double diaphragm metering pumps, 10bar" For drain process of pum Display and record the flone is in branch flow path Static mixing, forming gradused to monitor the preare three pressure transused for detect the column One automated bubble to Cartridge filter, pore size One membrane manual the column efficiency" One ultrasonic air sensor One specific block of 5 m tionality" Conductivity and pH sen 0!500 mS/cm)" Mutil!wavelength UV decell" Five pneumatic 2!way m	and sample." 30L/h, Double diaphragm metering pumps, 10bar" For drain process of pump." Display and record the flow rate of system. One is in one is in branch flow path." Static mixing, forming gradient eluent." Used to monitor the pressure and secure the chroare three pressure transmitter in system. Two detends used for detect the column block." One automated bubble trap equipped with by!pass, proceed to the column efficiency. One membrane manual valve used to inject small of the column efficiency. One ultrasonic air sensor used to detect air before so one specific block of 5 membrane valves to ensure be tionality. Conductivity and pH sensor after the column exit (poisson mS/cm). Mutil!wavelength UV detector(190~700nm) equipped.



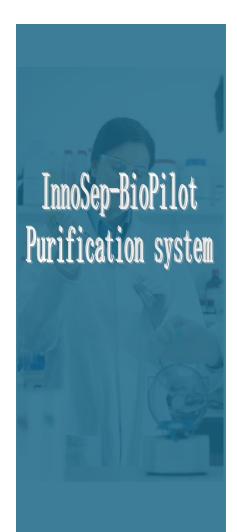


System requirements"		
Space requirement!	1000mm*1300mm*2000mm"	
Environment!	No direct sunlight, strong magnetic and electric fields, no strong vibration, no corrosive gas, dust"	
Temperature!	40°C~50°C"	
Humidity!	≤90%"	
Power supply!	380V(Three phase),50Hz,5kW"	
Air supply!	0.6MPa, 1m3/min"	
Whole system design"		
System components!	Pump, sample injection system, air trap, detection system, fraction system, tube and valve system)"	
System dimension!	850mm*1100mm*1700mm*"	
Weight!	0.9T"	
Connecting!	T!Clamp and chuck"	
Material(wetted material and non'wetted material)!	All wetted material meets sanitary requirements. All stainless steel is SUS 316L. Tube and gaskets made of food silicone rubber material, shall comply with FDA, USP Class or European Pharmacopoeia requirements."	
System Max. work pressure!	0.6MPa"	
Pump"		
Work mode!	Double diaphragm metering pumps"	
Maxing flow rate!	30L/H, 60 L/H or 180 L/H"	
Material of pump head and dia- phragm!	316/PTFE"	
Material of check valve!	Ball: 316; Base: 316"	
Motor!	0.25kw,50Hz!380V!3PH,1500RPM,IP55"	
UV Detector"		
Wavelength range!	190!740nm"	
Max. flow rate of flow cell!	1000ml"	
Wet material!	316L"	
Noise!	<1×10!5Au at 240 nm(1 channel)!	
draft!	<1×10!4Au/h at 240 nm(1 channel)!	
Accuracy!	±1.0nm"	





Conductivity and pH detector"			
Detection range!	0.02~500ms/cm"		
Accuracy!	More than ±5.0%"		
Tolerance pressure!	0~20bar"		
Temperature range!	!20 to 150°C"		
Temperature accuracy!	±0.1°C (±0.1°F) !		
Electrode material!	SS 316L/1.4435"		
Body material!	PEEK"		
PH range!	0!14PH"		
Temperature range!	0 to140°C (32 to 284°F) !		
Tolerance pressure!	0 to 6bar"		
Wetted material!	Ceramic"		
Reference system!	silver ion trap capture / silver chloride system"		
Flow meter!			
Flow rate range!	30L/H, 60 L/H or 180 L/H"		
Tolerance pressure!	>2MPa"		
Wetted material!	1.4539/904L SST"		
Pressure transmitter"			
Accuracy!	0.15%"		
Detecting range!	0!4Mpa"		
Wetted material!	316L"		
Air sensor"			
Tube size!	1.6~25.4mm"		
Reaction time!	Bubble detecting (wet to dry): Max. time 215ms!		
Air trap"	Wet detecting (dry to wet): Max. time 46ms" Air trap"		
Tolerance pressure!	0.8MPa"		
Volume!	200ml"		
Wetted material!	316L/PTFE/EPDM"		





Membrane valve!!		
Control mode!	Pneumatic, manual"	
Wetted material!	SST316L PTFE"	
Pressure range!	0!10bar"	
Surface finish!	≤0.4μm"	
Diameter!	DN4, DN6, DN10"	
Tube!		
Wetted material!	316L"	
Connecting mode!	T!Clamp,"	
Surface finish!	Inner surface Ra<0.4μm; outside surface Ra<0.8μm。!	

SOFTWARE!	!
Package!	ClarityChrom "
compliance!	21CFR Part 11 compliance"
Multi user environment!	Selectable system of user accounts with independently customizable behavior and appearance for individual users
Integration!	27 integration parameters (peak width, threshold, tangent slope ratio etc.) integration parameters programmable in time, automatic relintegration "
Security and GLP!	Installation qualification test of the software; FDA 21 CFR Part 11 conformance, validation with virtual detector!
Instrument control!	method!based instrument control, Instrument status display and Direct!Control mode"
Chromatogram operations!	Overlay view, custom labels and settings, also applying mathematical operations to chromatograms "
Automation !	Sequences, automatic launch of selected commands or applications immediately following chromatogram acquisition – Post run, Batch "
System suitability test!	automates the calculation of system suitability parameters for system validation "
P&ID function!	The software includes a good operation interface (P&ID); the whole system can be controlled by the relevant buttons in the P&ID, for example:"
	Set up the parameters for the pumps and detector, such as system pressure limit and wavelength, etc."
	Choose different fraction collection channels for the distillate (1!8)."
	Normal operating system to carry out system balancing, sampling, sample elution and fraction collection, etc. "



HPLC Servicing, Validation, Trainings and Preventive Maintenance:

:HPLC Servicing: We have team of service engineers who can attend to **HPLC Servicing**

any make of HPLC promptly @the most affordable cost.

:We also take up preventive Maintenace to reduce downtime of HPLC's **Trainings**

Trainings.

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:Instruments: We offer instruments / Renting Services Modules like pumps. Instruments

detector etc. on Rent.





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Gas Chromatograph 2979 Plus

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NOVA 2020 plus Automated Bio Chemistry



HEMA 2020 Hematology Analyzer



Micro Plate Reader/Washer



URINOVA 2800 Urine Analyzer



Total Organic Carbon



Fully Automated CLIA



NOVA Basic Semi-Auto PCR/Gradient PCR/ Chemistry Analyzer



RTPCR



Blood Gas Analyzer



Random access Analyzer forimmunoassay Proteins & clinical chemistry



Semen Analyzer



Water purification system

PARENTAL SERVICESRegulatory compliances



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- 2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.
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