

# Global Hemp Solutions

## Dual Stage Molecular Distillation 5 Cubic Meters

Model	Description	QTY (SETS)	Price ( USD)
<b>1st stage: YMD-50S Stainless Steel Wiped Film Molecular Distillation System</b> <b>(Full Jacket &amp; Insulation, with 3 gear pumps for automatic feeding and discharging )</b>	1. Jacketed wiped film evaporator with inner cooling condenser Material: 316L stainless steel for parts contacting with raw materials Effective evaporation area: 5m² Cooling area of internal condenser: 12m2 Inner Diameter: 850mm; Diameter of outer jacket: 950mm; Diameter of inner jacket: 866mm; Height of jacket: 1880mm Processing rate:100-500L/hour Heating medium for evaporation: heating oil Operation temperature of jacketed barrel: up to 300 °C Film scraping system: wiper system Motor and reducer: gear reducer, variable frequency motor, Power supply: 4KW Sealing system: mechanical sealing (Optional: magenetic sealing)	1	
	2. Feeding jacketed tanks with sight glass Volume: 200L With sight glass and insulation ball valve	1	
	3. Feeding system One high precision gear pump for continuous feeding, the flow range is 100-500L/h, frequency control, 1.5KW	1	
	4. Discharge system Two collection jacketed vessels: 50L with sight glass Two high precision gear pumps for continuous feeding, the flow range is 100-500L/h, frequency control, 1.5KW	2	
	5. 3-phase condensers I. Cooling coils condenser I with sight glass( condensing area: 6m2) II. Cooling coils condenser II with sight glass (condensing area: 6m2) III. Cooling coils condenser III with sight glass (condensing area: 6m2)	3	
	6. Others: I. Control valves 1 set II. Vacuum meter 1 set III. Support rack: 1 set (stainless steel) IV. Connection pipeline: 1 set (full jaketed stainless steel pipe with full insulation)	1	
<b>2nd stage: YMD-50S Stainless Steel Wiped Film Molecular Distillation System</b> <b>(Full Jacket &amp; Insulation, with 2 gear pumps for automatic feeding and discharging )</b>	1. Jacketed wiped film evaporator with inner cooling condenser Material: 316L stainless steel for parts contacting with raw materials Effective evaporation area: 5m² Cooling area of internal condenser: 12m2 Inner Diameter: 850mm; Diameter of outer jacket: 950mm; Diameter of inner jacket: 866mm; Height of jacket: 1880mm Processing rate:100-500L/hour Heating medium for evaporation: heating oil Operation temperature of jacketed barrel: up to 300 °C Film scraping system: wiper system Motor and reducer: gear reducer, variable frequency motor, Power supply: 4KW Sealing system: mechanical sealing (Optional: magenetic sealing)	1	
	2. Discharge system Two collection jacketed vessels: 50L with sight glass Two high precision gear pumps for continuous feeding, the flow range is 100-500L/h, frequency control, 1.5KW	2	
	3. 2-phase condensers I. Cooling coils condenser I with sight glass(condensing area: 6m2) II. Cooling coils condenser II with sight glass (condensing area: 6m2)	2	



# Global Hemp Solutions

	4. Others: I. Control valves 1 set II. Vacuum meter 1 set III. Support rack: 1 set (stainless steel) IV. Connection pipeline: 1 set (full jaketed stainless steel pipe with full insulation)	haode	
Supporting Equipment for YMD-50S Stainless Steel Molecular Distillation System	1. Heating system for 2 stages I. One heating circulator for providing heating for feeding vessel and pipe of 1st stage, 10KW, Heating to 200℃ II.Two heating circulators for providing heating for main jacketed evaporator of two stages, 95KW, Heating to 300℃ III. Two heating circulators for providing insulation for residue collection of two stages, 10KW, Heating to 200℃	5	
	2. Heating and cooling system for 2 stages One integral heating & cooling system provides cooling and heating for internal condensers in jacketed evaporator (Water container: 200L, Heating power: 9KW, Heat exchange area: 15m2; Heating to 200℃, Flow rate: 6m3/hr )	1	
	3. Cooling system for 2 stages I. One Cooling circulator for providing cooling for the 1st, 2nd condenser of 1st stage, and 1st condenser of 2nd stage system, Cooling to -20℃ at 7KW. II. One Cooling circulator for providing cooling for 3rd condenser of 1st stage and 2nd condenser of 2nd stage, Cooling to -60℃at 1.6KW	2	
	III. Water cooling machine for insualtion of the distllate collection, cooling power: 10℃ at 80KW,20℃ at 10KW (can be replaced by in-house water tower with capacity of 10tons )	1	
	4. 2-phase vacuum pump system for 2 stages Vacuum unit I cosists of roots pumps assbembly for 1st stage system Vacuum degree: < 1Pa at zero load thermocouple vacuum transmitter Vacuum unit II cosists of roots pumps assbembly for 2nd stage system Vacuum degree: < 1Pa at zero load thermocouple vacuum transmitter	2	
Sub-total			US\$1,236,453.87
Total amount			US\$1,236,453.87

Terms:

Price term: EXW

Payment term: 50% deposit before production and 50% before shipping by T/T

Delivery time: 12-15 weeks after receiving down payment

Shipping Way: By sea door to door

Package: Qualified wooden package for export with sufficient inside protection

Aftersales Support:

- \* Users' manual and installation video will be provided
- \* Exclusive technical team, composed by the sales and technical forces in Shanghai, standing by for any question about instillation or operation
- \* Answering any question by email or online messengers like whatapp, skype and wechat for instant response
- \*Conference call, or video meeting to assist if needed, to instruct clients about installation and operation
- \* According to the customer's requirement, we can send technical person to install and trial run on site.
- \* Lifetime free consultation service for machine maintenance

Quality assurance and Warranty:

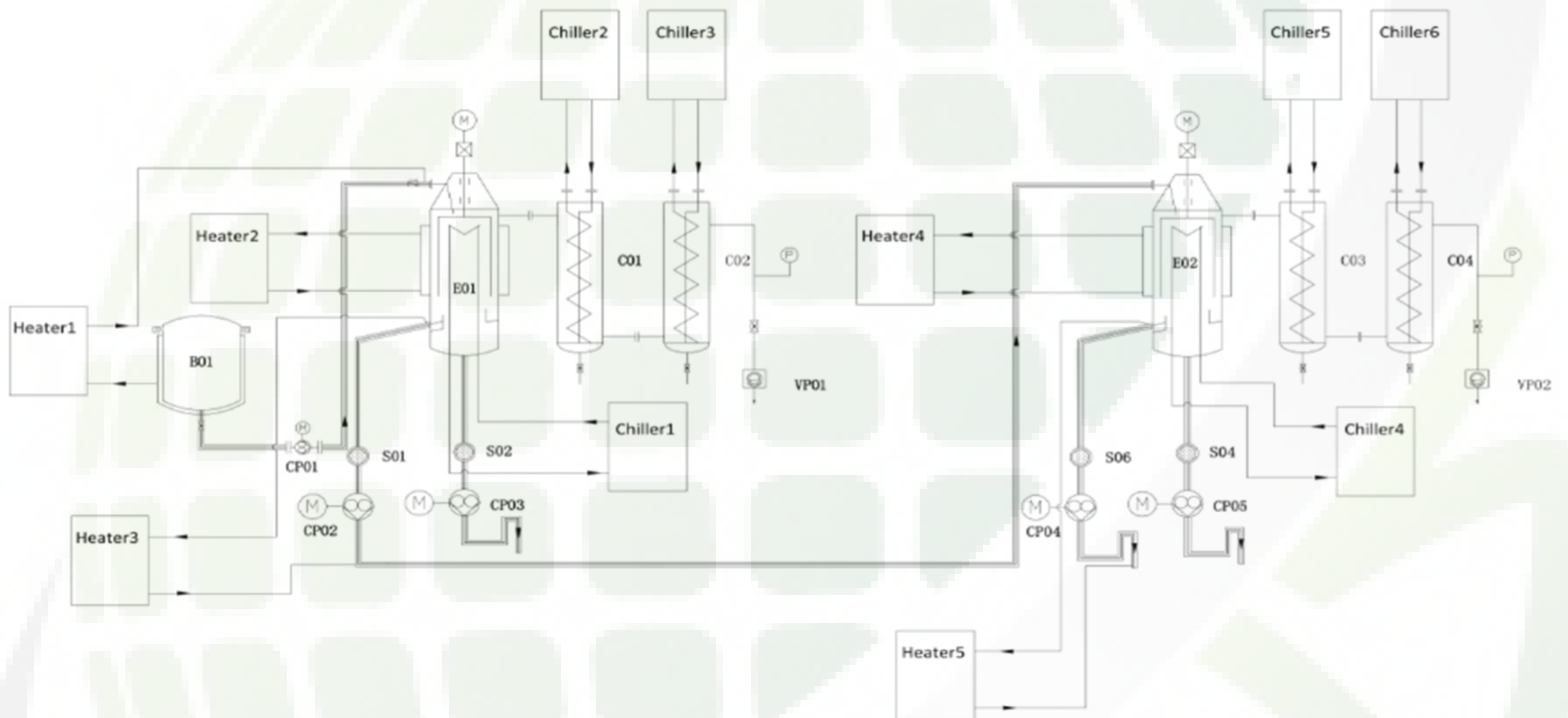
- \*Responsible for shipping damage of glass parts. You should inform Shanghai Manufacturer about the shipping damage within one week after receiving goods with clear photos of the damage and outside package. Shanghai Manufacturer will provide prompt free maintenance or replacement parts as clients' requests.
- \* 1 year complementary warranty for mechanical and electrical parts. Fees of parts and components are free in the warranty (for instrument failure caused by human factor, cost price of parts and components shall be charged).
- \* Responsible for lifelong maintenance of the instrument after the warranty, and actual maintenance cost shall be charged as appropriate.





# Global Hemp Solutions

## Workflow



# Global Hemp Solutions

## Our company

Global Hemp Solutions is your all inclusive post-harvest processing and extraction equipment provider. We have partnerships with some of the world's largest and best manufacturers. We not only provide you with the best equipment to help make you successful, we are there every step of the way even after the installation of the equipment. We value long term relationships and are truly here to serve you.



**GLOBAL HEMP**  
SOLUTIONS

All prices and shipping times subject to change. Please contact us for updated lead times and pricing.



[Sales@Global-Hemp-Solutions.com](mailto:Sales@Global-Hemp-Solutions.com)