

“...Cryogenic&Magnetic science is our business”

用户信息		报价单位信息	
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Date	Quotation Number	Quote Expiration
2025-08-22	YHCD2508098	2025-11- 22

编号	型号	品牌及描述	Qty	单价	总价
		Universal Cryocooler-Pulse Tube: Variable Temperature Closed Cycle (Cryogen- Free) Pulse Tube Optical Microscopy Cryostat System (3.5 K - 325 K)			
		Variable Temperature Closed Cycle Refrigerator Optical Microscopy			
		<ul style="list-style-type: none"> •3.5 K to 325 K operating temperature range Sumitomo Closed Cycle Pulse Tube System Model SRP-082B2 Coldhead (1.0W@4K) •Cooling Power: <ul style="list-style-type: none"> -1.5 Watts at 4.2K (50/60Hz) coldhead second stage cooling power -42 watts at 45K (50/60Hz) coldhead first stage cooling power •Recommended Maintenance: 20,000 hours 			
1	C04-005-062	Sumitomo (SHI) F70 Water Cooled Compressor: <ul style="list-style-type: none"> •Water cooled compressor F-70LP (3 phase, 200AC, 50/60Hz) or •Water cooled compressor F-70HP (3 phase AC380, 400, 415V-50Hz) (3 phase, AC460, 480V-60Hz) **NOTE: Customer must select compressor model/voltage when ordering** •20M interconnecting refrigerator hoses •20M CH power cable •Startup toolkit •Power Consumption: 6.6-6.9kW@50 Hz/7.5-7.8kW@60Hz •Ambient Temperature: 4- 40 degrees C (40-104 F) •Cooling Water (Inlet): 6-9L/min (1.6-2.4 gal./min.) 5-25 degrees C (41-77 F) •Dimensions: 532 x 443 x 493 mm •Weight: 100 kg (225 pounds) •Recommended Maintenance: 30,000 hours 	1	1,450,000	1,450,000

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- PT100 Temperature sensor installed on 1st stage of refrigerator
- Silicon diode temperature sensor installed on 2nd stage of refrigerator
- Heater installed on refrigerator
- Long term continuous operation
- Startup toolkit with operational manuals

•Vacuum insulated all welded flexible stainless steel transfer line connection from closed cycle gas cooler to helium flow cryostat with vibration adsorbers installed on each end of flexible portion of transfer line

Microscopy Cryostat including:

- (2) 0.93 inch diameter clear view Suprasil fused quartz windows (0.062 inch (1.59 mm) thick)
- Adjustable sample holders
- (3) at 0.531" dia with no hole
- (3) at 0.531" dia. With 0.125 dia. Thru hole on center
- 50 ohm heater installed on sample holder
- 19-pin hermetic electrical feedthrough
- Install phosphor bronze twisted pair wires from 12 pins of 19-pin feedthrough to sample mount area terminating in mini disconnects (Mini multi pin wiring disconnects allow easy (non-solder) quick disconnect of multiple wires) for customer use
- NW25 evacuation valve with safety pressure relief
- Silicon diode temperature sensor installed on sample mount
- 30 mm thin
- Refrigerator stand and 'L' brackets
- NOMOVE' support
- Sample supported on ends for thermal contraction toward center - virtually no movement
- Low vibration - no direct mount to refrigerator

Model 336 Autotune Temperature Controller

- Two PID control loops (100 watts, 50 watts into a 50 Ohms or 25 Ohm load)
- Four sensor inputs and four independent control outputs
- Supports diode and RTD temperature sensors (thermocouple option available)
- Sensor excitation current reversal eliminates thermal EMF errors in resistance sensors
- Ethernet, USB and IEEE-488 interfaces
- Cryostat to controller interface cables included

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		<ul style="list-style-type: none"> •Fully integrated and tested with system 			
		Helium Gas Recirculation Package (including) <ul style="list-style-type: none"> •Scroll pump •Gas buffer volume •Interconnecting hoses •Mass flow meter with adjustable needle valve •Operates with customer supplied helium gas 			
		<ul style="list-style-type: none"> •Operation manuals •Complete system test •One year warranty 			
2	TP-B	爱德华分子泵组: 分子泵组一套, 前级泵为干泵, 抽速不低于3立方米/小时/氮气, 分子泵机组抽速不低于84L/s@CF63@氮气, 极限真空: 5x 10-10mbar, 含复合真空计, 含配套系统连接使用的真空连接附件等。 风冷分体冷水机 型号:ZTFF-50 名义制冷量: 12.5KW @25℃ 冷却方式: 压缩机制冷 控温精度: ±1℃ 控温范围: 5-35℃ 水泵压力: 0.15~0.5(Mpa) 可调	1	65,000	65,000
3	ZTFF-50	水泵流量: 5~33 (L/min) 可阀门调节 水箱容积: 90L (不锈钢材质) 报警信号: 水位报警、超温报警, 高低压报警, 内机尺寸: 960×560×1070 (长×宽×高) mm 外机尺寸:930×390×1270 (长×宽×高) mm电功率: 5.2KW 电源要求: 380V, 50Hz 随主机标配30米水管 水管内径8mm、10mm、12mm、16mm (任选其中一个规格)	1	¥ 25,000	¥ 25,000



Subtotal	¥ 1,540,000
Shipping & Insurance	¥ 30,000
Installation Charge	0
Total	¥ 1,570,000

- 1、货期: 收到预付款后10个月内;
- 2、付款条件: 30%合同签订后支付, 70%发货前支付;
- 3、货币形式: 含税含运费, 13%专票;
- 4、质量保证期: 验收合格后一年;
- 5、主要供应商: Cryo Industries of America;