

加热产品

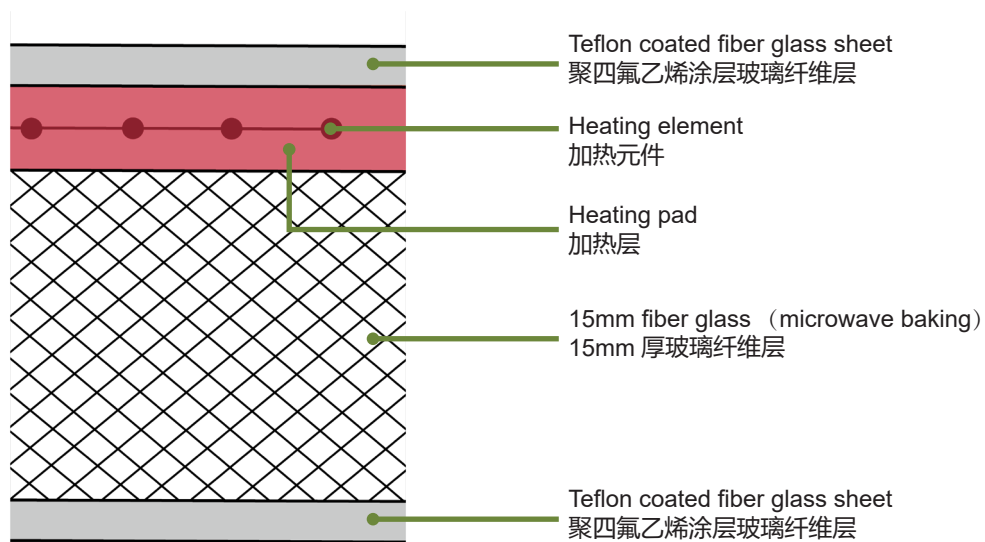
Heating products

赛米瑟加热产品能够减少真空管道和排气管道内的气体结晶，能够阻止结晶物在管道内的堆积和堵塞，延长设备和连接管道的维护周期。我们的加热产品能耗低，效率高，加热均匀。MINI 温控装置能够准确的控制设备和管道需要的温度，温度的波动极小，使用安全。HMI 人机控制能够集中控制区域内的加热产品。

Semi Serve heating products can reduce gas crystallization in vacuum and exhaust pipelines, prevent the accumulation and blockage of crystals in pipelines, and extend the maintenance cycle of equipment and connecting pipelines. Our heating products have low energy consumption, high efficiency, and uniform heating. MINI temperature control device can accurately control the temperature required by equipment and pipelines, with minimal temperature fluctuations and safe use. HMI human-machine control can centrally control the heating products within the area.



Heating jacket 加热带



Material 材料	Surface layer 表层	Teflon coated fiber glass 特氟龙涂层玻璃纤维
	Insulation layer 绝缘层 (microwave baking)	Fiber glass 1/2 inch 1/2" 玻璃纤维
	Thermal wire 加热丝	Ni-Cr 镍 - 铬
	Power & signal wire 电源与信号线	PTFE
Fastener 扣件		Velcro 魔术贴
Length of jacket 加热带长度		Less than 0.6m
Connector 连接件		AMP 6P&MOLEX 8P
Thermocouple 热电偶		K-type
Temp switch 温度开关		200°C



Silicone heater 硅胶加热产品



绝缘材料较高耐温 High temperature resistance :250°C

使用温度 Operation temperature : $\leq 180^{\circ}\text{C}$

绝缘电阻 Insulation resistance : $>100\text{MQ}$

耐压强度 Withstanding voltage :1500v/1min

功率偏差 Power deviation : $\pm 5\%$

耐电电压 Voltage : $>2500\text{v}$

硅橡胶加热片主要是由镍铬合金蚀刻发热片和硅橡胶高温绝缘布组成它发热快、温度均匀、热效率高、韧性好，耐压，耐磨擦，其使用方便，安全、防水、老化寿命长达三年以上。

Silicone rubber heating pads consist mainly of etched nickel-chromium alloy heating elements and silicone rubber high-temperature insulating fabric. They feature rapid heating, uniform temperature distribution, high thermal efficiency, good flexibility, pressure resistance, and abrasion resistance. They are easy to use, safe, waterproof, and have a service life of over three years against aging.

MINI Temperature Control

MINI 温控

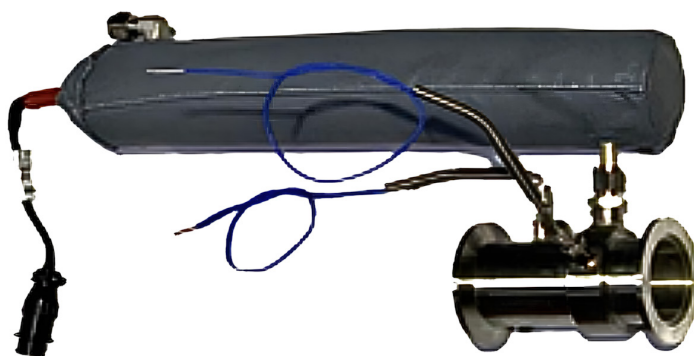
PLD 温度控制器



SV: 设置的目标温度值
 AT: AT =1 时, 进行参数自整定,
 AT=0 时, 进行 PID 控制。
 P: 比例带
 I: 积分时间
 D: 微分时间
 T: 采样周期个数,
 默认值: T=4, 其中一个采样周期时间 Ta=200ms
 采样时间 = 采样周期个数 (T) X 一个采样周期时间 (Ta)
 B1: 温度偏差补偿, 默认值: 0
 ALH: 温度过高报警, 默认值: 10,
 当 PV>SV+ALH 时, 高温报警, 并切断机械继电器。
 ALL: 温度过低报警, 默认值: 10,
 当 PV<SV-ALL 时, 低温报警。
 CUR: 霍尔传感器, 在线监测电流参数变化。
 r-r: 温控开关, 默认值 :OFF;ON →加热, OFF →关闭加热。

Model 型号	MOLC-MC-170703
Temperature 温度	Range 范围 0 ~ 999℃ (K-Type)
	Accuracy 精确度 ±0.2% of full scale
Display 显示	8-digit LED digital display
Control method 控制方法	P..D [PWM Cantrel], [PID constants can be entered manually on the keypad]
Ambient temperature 环境温度和湿度	Temp.:0~50℃ , Humidity : 35 ~85%RH
Capacity (Max.) 最大容量	1000W(220VAC), or 450W(110VAC)
Communication method 通讯方式	RS485 (MAX ID:200)
Safety control 安全控制	Relay + Fuse + SSR module + Chip Temp
Dimensions (W x D x H) 外型尺寸	80 x 55 x 50 (Control module size)
Electirical supply(Control module) 电压	AC 85~230V 50/60Hz
Weight 重量	37.8 g (Case except)

Hot N2 热氮气产品



电热功率 Power	1KW	1KW
控制模式 Control method	PID SSR	PID SSR
进气模式 Air Intake method	单孔进入, 初始混气不均匀 Single hole intake, uneven gas mixing at the beginning	多孔螺旋涡流式, 混气容易均匀 Porous rotating intake, gas easily mixes
使用温度 Operation temperature	常温 ~MAX 330°C	MAX 250°C
温控点位置 Temperature control position	加热腔出口 Heating chamber outlet	排气和 N2 混气后温度 After mixing exhaust and N2
N2 流量 Volume of flow	30-300L/min	30-300L/min
安装位置 Installation position	pump 内部, SCRUBBER 入口 (防回火), PUMP 排气管路 Inside the vacuum pump,scrubber inlet,Vacuum pump exhaust pipeline	SCRUBBER 入口 (防回火), PUMP 排气管路 scrubber inlet,Vacuum pump exhaust pipeline
CMS 监控模式 Monitor mode	经 PLC 或网路至工作站上传公司内部网路 Upload to internal network through PLC or network	经 PLC 或网路至工作站上传公司内部网路 Upload to internal network through PLC or network

Application scene 应用场景



PTFE 加热带 & 硅胶加热套 PTFE heating jacket & Silicone heater

MINI 温度控制器 MINI Temperature controller

HMI 人机界面控制柜 HMI human machine control cabinet

HOT N2 氮气加热器 N2 heater



热能分布均匀、品质稳定
Uniform heat distribution, Stable quality



低能耗、高效率
Low energy consumption, high efficiency



防火阻燃、三级安全保护
Fireproof and flame retardant



模块设计、分段管理、维护快捷
Module design, easy to maintain



高清人机交互界面、操作方便
High definition interface, easy to operate



灵活定制、完美贴合
Accurate production, tight fit



快速交货, 优质服务
Fast delivery, high-quality service