Features

7-inch MCGS High-definition Screen

Free switch between outlet temperature control and material temperature control

Curve Recording Interface

Real-time recording of outlet temperature, set temperature and sensor temperature values over time

Temp. Control Accuracy ±0.5℃

Security Protection

Liquid level alarm, over-temperature protection, phase loss, phase mismatch, over-temperature surge, etc.

Support Log Query

Operation, alarm, and fault log records,
Comply with FDA certification requirements

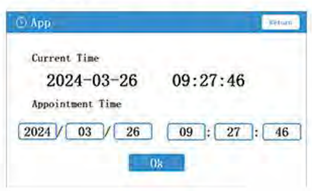
Multi-segment Program Control

10 temp. program groups can be set, and each program group can set up to 100 temp. segments

GMP Authorization

Adopt GMP three-level authority management system to monitor and record operation logs at all levels in real time

Appointment Time



Model Description

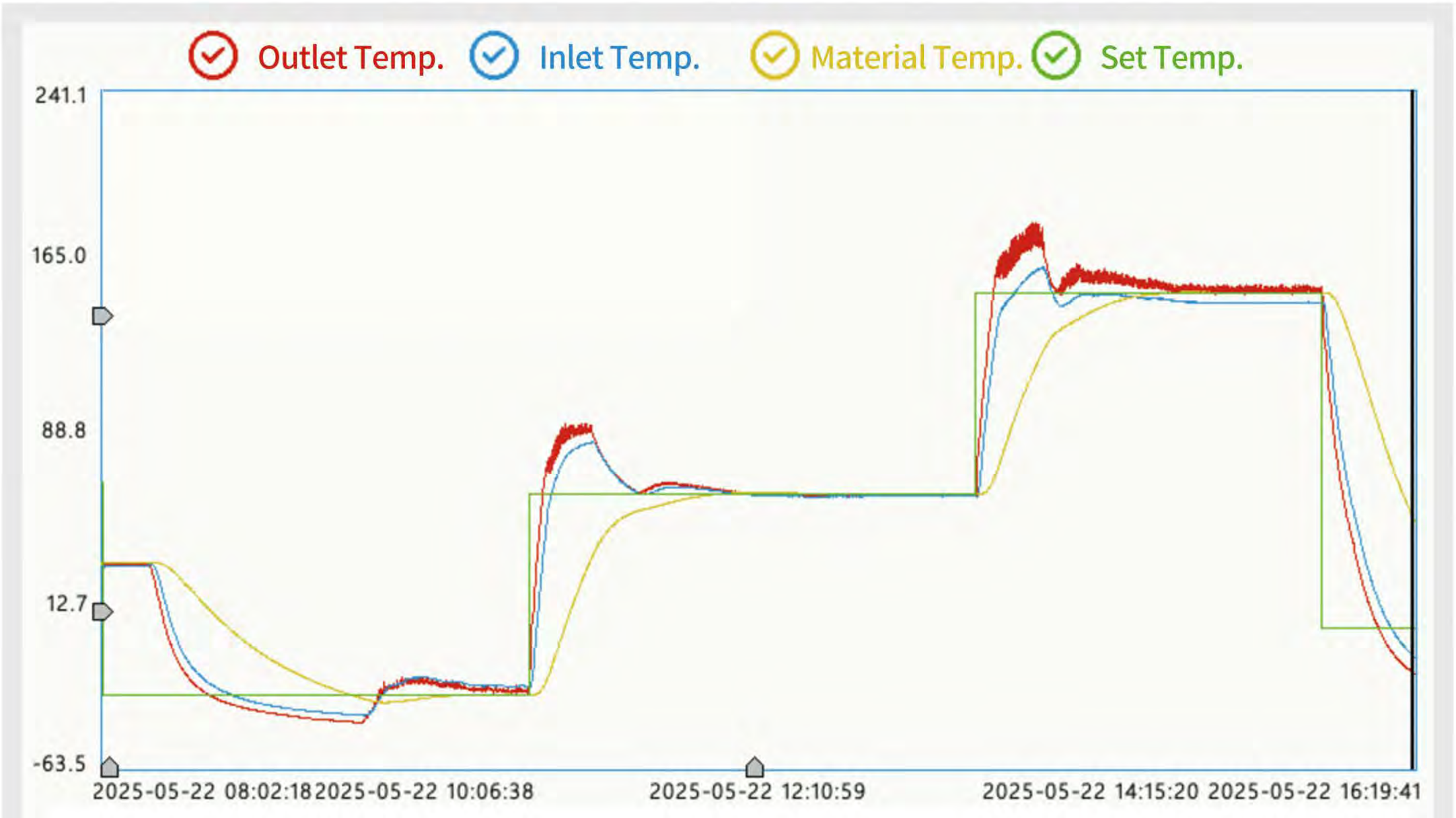
GDX - 4 12 A

- A — The operating temp. -40-200 ℃
- 12 — Heating power 12kW
- 4 — Minimum no-load temp. -40 ℃
- GDX — Product code

GDX - 8 09 B

- B — The maximum temp. 300 ℃ or The minimum temp. -80 ℃ or lower
- 09 — Heating power 9kW
- 8 — Minimum no-load temp. -80 ℃
- GDX — Product code

Test Curve



GDX-309A equipped with 50L double jacket reactor cooling and heating cases

(40L of material is filled in the kettle)

Explosion-proof

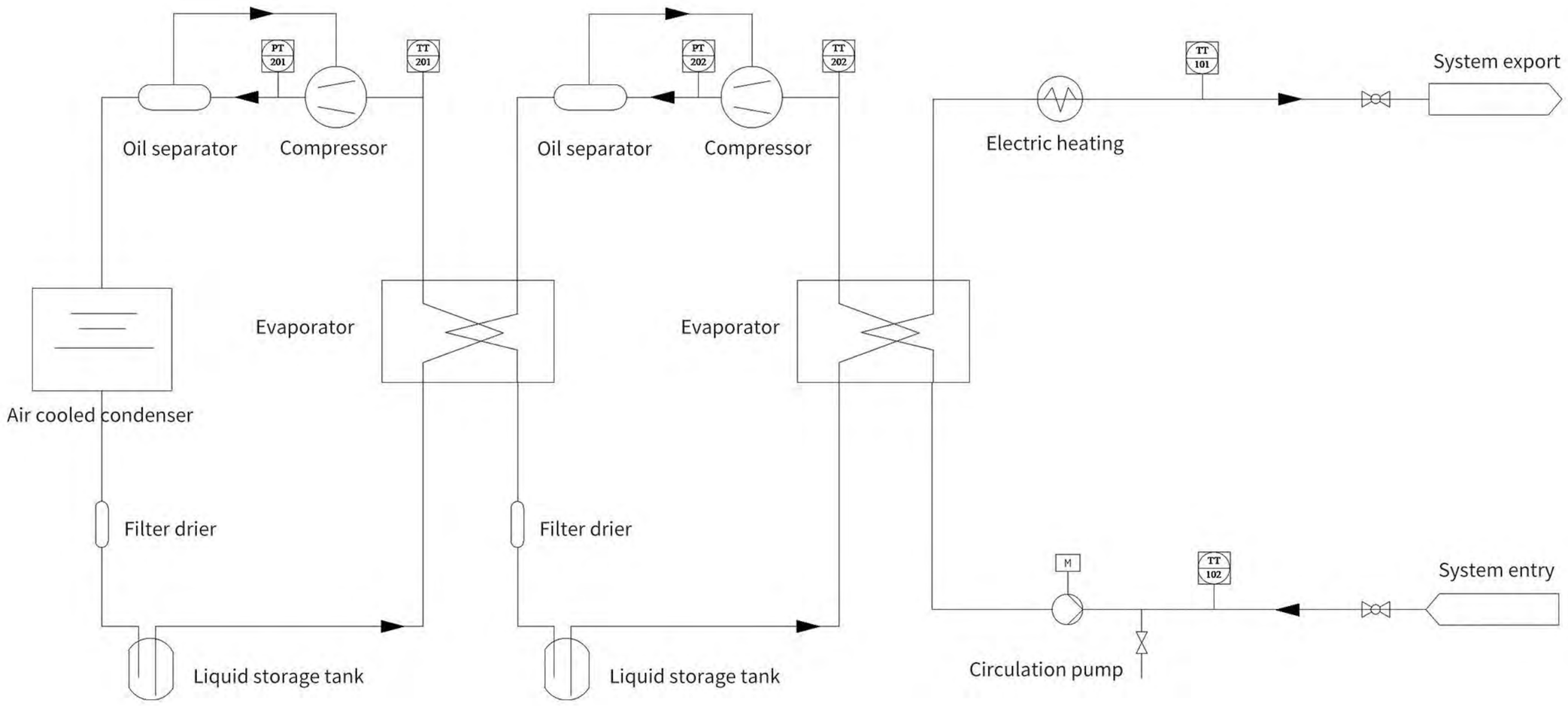
ExdbIIBT4

ExpeIICT4

ExdbIIBT4 is explosion-proof and flameproof type;

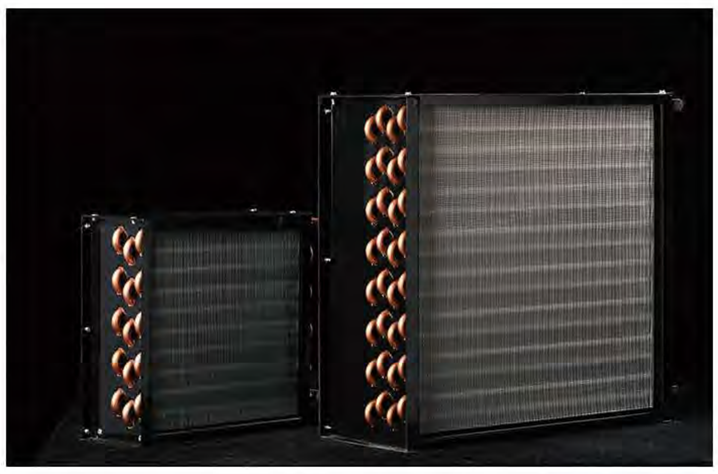
The ExpeIICT4 positive pressure explosion-proof grade is suitable for dangerous places where flammable and explosive gases or dusts exist. The core of explosion-proof is to prevent external explosive gases or dusts from entering the equipment. By filling the equipment with clean air or inert gas (such as nitrogen), the internal air pressure is always higher than the external environmental pressure (usually 50Pa~200Pa), forming a "positive pressure protection air curtain".

P.I.D. Cascade Unit



Key Accessories

External rotor fan



Condenser

Circulation pump

Brand compressor

Stainless steel ball valves and stop valves

Safety electrical appliance

Thermal Oil

It is necessary to select the appropriate heat transfer medium according to the application temperature range of the equipment and configure the appropriate connecting pipes. When confirming the order of heat transfer medium, it is necessary to include the heat transfer medium required by the constant temperature system, the heat transfer medium required by the pipeline, and the heat transfer medium required by the external circulation equipment.

Model	LB30	LB40	LB50	LB80	LB100	LB250
Temp. range	-30°C~200°C	-40°C~270°C	-50°C~250°C	-80°C~180°C	-100°C~110°C	-30°C~320°C
Color	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless
Odor	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless

Circulation Pipe

Foamed silicone insulation hose
(-120°C~200°C)

Fluororubber tube
(-20°C~200°C)

Stainless steel circulation pipe
(-120°C~300°C)

Parameter

Model number		GDX-302A	GDX-303A	GDX-306A	GDX-309A	GDX-312A	GDX-318A	GDX-324A	GDX-336A
Temp.range		-30°C~200°C(300°C optional);±0.5°C							
Voltage		220V ~50/60Hz	3Phase -220V/380V/460V ~50/60Hz						
Power(kW)		4	4.5	9	13.5	17.5	26	34	48
Heating power (kW)		3	3	6	9	12	18	24	36
Cooling capacity (w)	RT	2000	3000	6000	9000	12000	18000	24000	36000
	0°C	1400	1800	4500	6000	9000	12000	18000	24000
	-30°C	500	700	2200	3500	4000	5000	6000	8000
Temp.sensor		PT100							
Safety protection		Overvoltage, time delay, overcurrent, overheating, leakage							
Refrigerant		R404A							
Cooling type		Air cooling (water cooling is optional)							
Circulation pipe size (DN)		G1/2''	G1/2''	G1/2''	G3/4''	G3/4''	G1''	G1''	DN32 PN16
Compressor power (kW)		0.75	1.125	2.25	3.75	4.5	6	7.5	9.75
Tank volume (L)		7	7	17	17	35	100	100	150
Lift (m)		20	20	20	20	28	40	20	25
Flow (L/min)		20	20	20	35	42	60	110	130
Dimensions (mm)		530*640*800	530*640*800	530*640*1000	530*640*1388	610*710*1388	1408*958*1556	1408*1083*1782	1100*2000*1950
Weight (Kg)		60	90	130	170	220	340	/	/
Control system		Self-developed single chip microcomputer (optional Siemens PLC)							
Programming		Can write 5 programs, each with up to 40 steps							
Control mode		Material temperature and equipment outlet temperature can be switched							
Protocol		Modbus RTU protocol RS485 interface (optional RS232 Ethernet)							
Operation panel		7-inch MCGS HD screen (optional Siemens screen)							
Data output		Support U disk data export, can export temperature data in TXT format							
Install list		2 sets of matching valves, a roll of raw material belt / 2 stainless steel insulation hoses / an operation manual							

Parameter

Model number		GDX-402A	GDX-403A	GDX-406A	GDX-409A	GDX-412A	GDX-418A	GDX-424A	GDX-436A
Temp.range		-40°C~200°C(300°C optional);±0.5°C							
Voltage		220V ~50/60Hz	3Phase -220V/380V/460V ~50/60Hz						
Power(kW)		4	4.5	9	14.5	17.5	27.5	33	50
Heating power (kW)		3	3	6	9	12	18	24	36
Cooling capacity (w)	RT	2200	3200	7000	11000	13500	20000	32000	51000
	0°C	1600	1900	5400	7000	9000	15000	24000	36000
	-40°C	300	400	1200	2500	3000	4000	5000	7000
Temp.sensor		PT100							
Safety protection		Overvoltage, time delay, overcurrent, overheating, leakage							
Refrigerant		R404A							
Cooling type		Air cooling (water cooling is optional)							
Circulation pipe size (DN)		G1/2''	G1/2''	G3/4''	G3/4''	G3/4''	G1''	G1''	DN32 PN16
Compressor power (kW)		0.75	1.25	3	4.5	4.5	7.5	7.5	11.25
Compressor brand		Compressors of different brands can be customized according to user needs							
Tank volume (L)		7	7	17	17	35	100	100	150
Lift (m)		20	20	20	20	28	40	20	30
Flow (L/min)		20	20	20	35	42	60	110	150
Dimensions (mm)		530*640*880	530*640*880	530*640*1100	530*640*1388	610*710*1388	1408*958*1556	1408*1083*1782	1100*2000*1950
Weight (Kg)		60	90	130	170	220	340	/	/
Control system		Self-developed single chip microcomputer (optional Siemens PLC)							
Programming		Can write 5 programs, each with up to 40 steps							
Control mode		Material temperature and equipment outlet temperature can be switched							
Protocol		Modbus RTU protocol RS485 interface (optional RS232 Ethernet)							
Operation panel		7-inch MCGS HD screen (optional Siemens screen)							
Data output		Support U disk data export, can export temperature data in TXT format							
Install list		2 sets of matching valves, a roll of raw material belt / 2 stainless steel insulation hoses / an operation manual							

Parameter

Model number		GDX-803B	GDX-806B	GDX-809B	GDX-812B	GDX-818B	GDX-824B	GDX-836B
Temp.range		-80°C~200°C(300°C optional);±0.5°C						
Voltage		220V ~50/60Hz	3Phase -220V/380V/460V ~50/60Hz					
Power(kW)		5.5	13	20	22	36	46	60
Heating power (kW)		3	6	9	12	18	24	36
Cooling capacity (w)	RT	3650	9000	12750	14500	22000	26000	50000
	0°C	2000	6000	9000	10000	12000	15000	35000
	-40°C	900	2200	4500	6000	8500	11000	22000
	-80°C	240	1000	1500	2200	3000	4500	7000
Temp.sensor		PT100						
Safety protection		Overvoltage, time delay, overcurrent, overheating, leakage						
Refrigerant		R404A / R23						
Cooling type		Air cooling (water cooling is optional)						
Circulation pipe size(DN)		G1/2''	G1/2''	G3/4''	G3/4''	G1''	G1''	DN32
Compressor power (kW)		1.5*2	2.25*2	4.5*2	5*2	7.5*2	10*2	11.25*2
Compressor brand		Compressors of different brands can be customized according to user needs						
Tank volume (L)		7	10	17	35	100	100	150
Lift (m)		6	6	10	12	18	20	25
Flow (L/min)		25	25	35	35	100	130	150
Dimensions (mm)		770*670*1180	710*610*1250	970*800*1250	970*800*1350	1400*970*1580	1400*1038*1800	2370*1250*1950
Weight (Kg)		200	255	335	375	550	600	1100
Control system		Siemens PLC Control System						
Programming		Can write 5 programs, each with up to 40 steps						
Control mode		Material temperature and equipment outlet temperature can be switched						
Protocol		Modbus RTU protocol RS485 interface (optional RS232 Ethernet)						
Operation panel		7-inch MCGS HD screen (optional Siemens screen)						
Data output		Support U disk data export, can export temperature data in TXT format						
Install list		2 sets of matching valves, a roll of raw material belt / 2 stainless steel insulation hoses / an operation manual						