

Reasons and Procedures for Abnormality

This chapter covers the reasons and processing methods for faulty products. These items should be investigated before repair.



○Before the service and maintenance, the operation should be stopped, power supply and the input power of your company's power gears should be switched off.

○Only authorized people by your company can provide service and maintenance.

1. The switch of freezing machine is "ON", but can't operate

Status	Reason	Solution
·Light is off, freezing machine doesn't operate	·Faulty switch ·Faulty temp. Regulator ·Faulty protective device	·Replace ·Replace ·Refer to items of protective device
·Light is on, freezing machine doesn't operate	·Low power supply ·Faulty electromagnetic contactor	·Make it reach the required voltage ·Replace

2. When the required period is reached, it can't be cooled to the certain temperature

Status	Reason	Solution
·in operation	·Overload ·Low cooling capacity	·Reduce load ·Check gas leak ·Pay attention to the liquid pollution

3. Status of Protective Device Startup (Alarm Light On)

Reason \ Fault	Opposite Phase Light On 0	Media Reduced; Light On 2	High Voltage Light On 5	Freezing Low Voltage Light On 6	Discharge Pipe Overheat Light On 7	Overload Light On 8	Pump Not Operating	Pumping Head Insufficient	Mold Not Cooled	Temperature Varies Greatly	Solution
Power Opposite Phase	<input type="radio"/>										Exchange two power cords among three
Power Lack Phase						<input type="radio"/>					Confirm the main power
Insufficient Water Supply		<input type="radio"/>									Turn on the water valve and clean the water filter
Faulty Float Ball		<input type="radio"/>									Repair and replace
Insufficient Cooling Water			<input type="radio"/>		<input type="radio"/>						Supply a certain amount of cooling water and clean the water filter
High Temperature of Cooling Water			<input type="radio"/>		<input type="radio"/>						Lower the temperature of cooling water and supplied water
Foreign Materials inside of Pump Impeller							<input type="radio"/>				Disassemble, repair, replace
Pump Blocked Inside								<input type="radio"/>			Disassemble, repair, replace
Mold Cooling Pipe, Chiller are dirty and blocked									<input type="radio"/>		Clean the freezing pipe and evaporator
Condenser is dirty and blocked			<input type="radio"/>						<input type="radio"/>		Clean the condenser
Cold Water Pipe Blocked									<input type="radio"/>		Clean the media return water filter
Low Pressure, Insufficient Cold Water Circulation				<input type="radio"/>					<input type="radio"/>		Clean the interior of evaporator and pipe
Refrigerant Leak, Insufficient									<input type="radio"/>		Repair the leakage, replenish the refrigerated gas to the low pressure within the required range
Compressor capacity lowered due to damage or wearing away						<input type="radio"/>					Replace the compressor
Compressor ON.OFF Operation										<input type="radio"/>	Less heat load