



Quick freezing to create safer and more reliable frozen food.



CONTACT QUICK FREEZER



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The data will be modified without notice for technique improvement.



FRIGOESPACIOS®

Company Introduction



Dalian Bingshan Ryosetsu Quick Freezing Equipment Co., Which Ltd. is a joint venture of Dalian Refrigeration Co. Ltd. and Japan Ryosetsu Industrial Co. Ltd. mainly produces quick freezer with top advanced technology & superior quality. The company got the certificate of ISO9001 (2000) in Feb, 2005.

Dalian Bingshan Group is a national mechanical and electrical products export base, ranked among the top 100 National machinery industrial enterprises, the top 500 excellent state-owned enterprises, and 520 enterprises under the back up by the government. "Bingshan" brand is approved for the unique "Best Trademark" in the refrigeration and air conditioning industry of China by State Administration of Industry and Commerce, "Bingshan" brand is the famous brand supported to develop by the state for export. "Bingshan" Brand is honored China Famous Brand and China Export Famous Brand.

Japan Ryosetsu Industry Co. Ltd is a quick freezing equipment manufacturer, founded in 1880, owns a number of world-leading patented technology.

ALUMINUM ALLOY CONTACT FREEZER

产品说明 / PRODUCT INSTRUCTION

铝合金平板速冻机由蒸发板、保温库体、液压站、升降油缸及电控箱等部分组成。铝合金平板蒸发器通过液压系统的液压油缸带动直接与冷冻食品接触，并保持一定压力，使冷量可直接由蒸发器传递到食品，所以冻结速度快、效率高、节能、卫生、占地少；由于在常温下操作，设备使用寿命长；由于采用接触式导热，几乎没有空气流动，所以食品干耗很少。适合冷库、水产品和肉类加工等行业食品速冻、捕捞渔船及渔业加工船等。

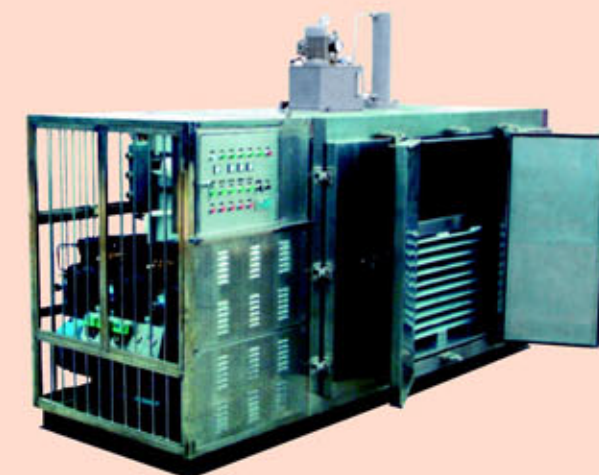
Aluminum alloy contact freezer is composed of evaporative plate, insulation panel, hydraulic station, hoist cylinder and control box etc. Aluminum alloy evaporator is driven by hoist cylinder to contact with frozen foods directly and keep certain pressure. The closed touch, with frozen food forms advantages of high frozen speed, high efficiency, energy-saving, sanitation and compact. The unit is running under normal temperature to ensure long-term life. Adopt contact-type heat conducting, no air flow, which is benefit to decrease foods weight loss. The unit is widely applied in cold storage, aquatic foods, meat processing etc foods quick freezing industry, fish catching boat and fishery processing industry etc.

设计工况 / DESIGN CONDITION

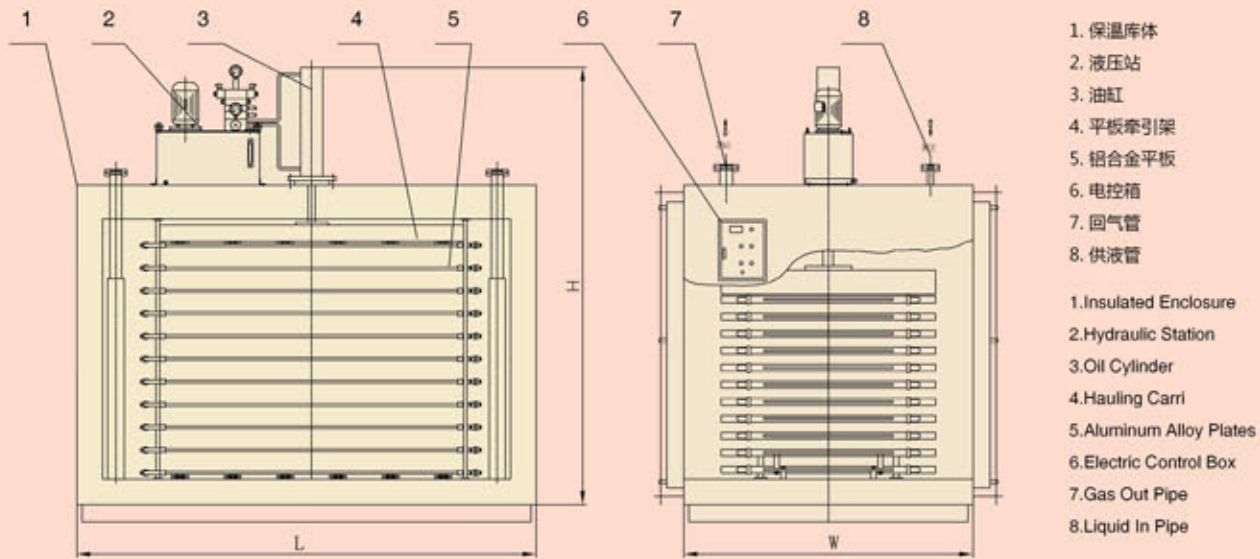
- 制冷剂氟利昂R22、R404A、R717或相关载冷剂。
- 进货温度：+15℃
- 出货温度：≤ -18℃
- 环境温度：≤ +50℃
- 冷凝温度：+35℃
- 蒸发温度：-35℃
- 压合尺寸：78mm
- 拉开尺寸：118mm
- 冻结时间：
 - 鱼（鱼盘尺寸600*400*80mm 15kg/盘）4小时/次
 - 虾（虾盘尺寸300*200*60mm 2kg/盘）2.5-3小时/次
 - 鳕鱼（鱼盘尺寸520*310*60mm 7.5kg/盘）2.5-3小时/次



- Refrigerant: R22, R404A, R717 or similar.
- In-take temp: +15℃
- Out-take temp: ≤ -18℃
- Ambient temp: ≤ +50℃
- Condensing temp: +35℃
- Evap. temp: -35℃
- Pressing close clearance: 78mm
- Pull open clearance: 118mm
- Freezing Time:
 - Fish (tray size: 600*400*80mm 15kg/tray) 4hr/shift
 - Shrimp (tray size: 300*200*60mm 2kg/tray) 2.5-3hr/shift
 - Codfish (tray size: 520*310*60mm 7.5kg/tray) 2.5-3hr/shift



结构型式 STRUCTURE



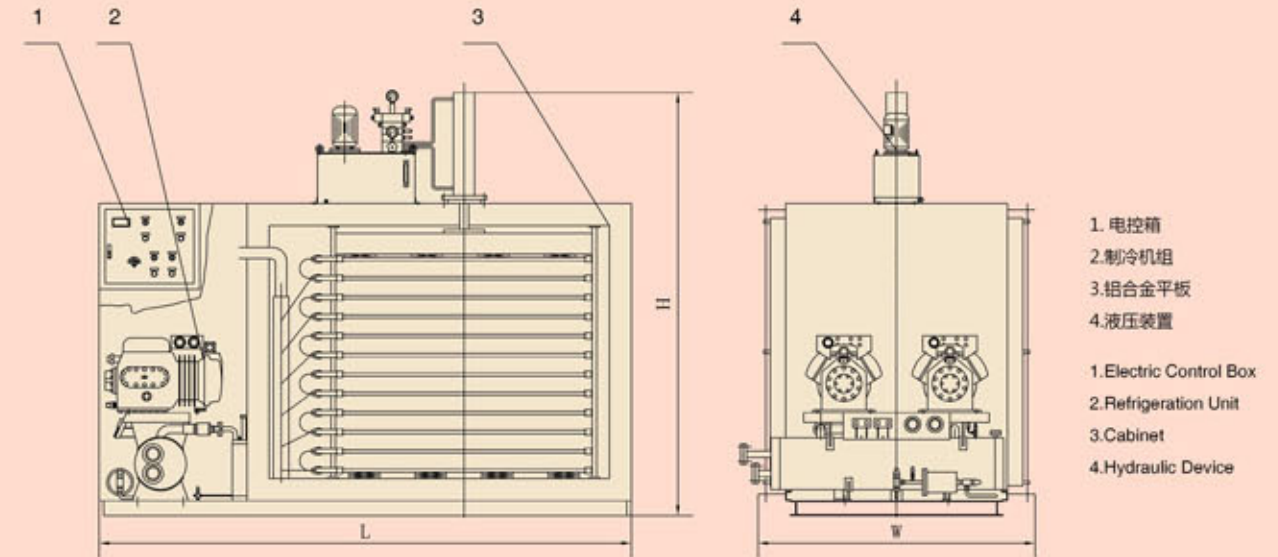
技术参数 DATA OF PLATE FREEZER

型号 Model	蒸发板 Evap. Station			冻结量(kg/台.次) Freezing Capacity(kg/shift/unit)			耗冷量 (kw) Ref. Load	外形尺寸 (mm) (长×宽×高)L×W×H Outline Dim.	重量 (kg) Weight
	有效层数 Effective Layer	有效尺寸 Size(mm)	蒸发面积 Evap.Area(m²)	冻鱼 Fish	冻虾 Shrimp	冻鲳鱼 Codfish			
PD0.72-K1	8	1240×1260	31	720	384	-	20	2300×1700×2540	2180
PD0.72-K2								2550×1700×1700	2240
PD0.96-K1	8	1720×1260	42	960	512	720	26	2800×1700×2540	2430
PD0.96-K2								3000×1700×1700	2500
PD1.2-K1	10	1720×1260	51	1200	640	900	33	2700×1700×2840	2680
PD1.2-K2								3000×1700×2000	2760
PD1.5-K1	10	2120×1260	62	1500	800	1200	42	3200×1700×2880	3180
PD1.5-K2								3400×1700×2040	3280
PD1.8-K1	12	2120×1260	73	1800	960	1440	50	3200×1700×3210	3580
PD1.8-K2								3400×1700×2320	3680
PD2.4-K1	10	2520×1638	97	2400	1280	-	67	3620×2100×2900	4280
PD2.4-K2								3820×2100×2060	4360

注：1. 标准产品保温门为折叠式，可作滑动式或其他样式。2. 可根据客户实际需要，设计制造各种非标产品。

Note: 1. Folding-type insulation door for standard product. Can supply the sliding or other type door. 2. special design can be made depending on requirements.

结构型式 STRUCTURE



技术参数 DATA OF PLATE FREEZER

型号 Model	蒸发板 Evap. Station			冻结量(kg/台.次) Freezing Capacity(kg/shift/unit)		压缩冷凝机组 Condensing Unit Ref.Capacity		配机功率 (Kw) Installed Motor Power	外形尺寸 (mm) Outline Dim. (长×宽×高) L×W×H	重量 (kg) Weight
	有效层数 Effective Layer	有效尺寸 Size (mm)	蒸发面积 Evap.Area (m²)	冻鱼 Fish	冻虾 Shrimp	制冷量 (kw)	冷却水量 (m³/h)			
PDZ0.72	8	1240×1260	31	720	384	22.8	16	19	3500×1700×2540	3100
PDZ0.96	8	1720×1260	42	960	512	26.4	20	28	4000×1700×2540	3300
PDZ1.2	10	1720×1260	51	1200	640	32	24	32.7	4000×1700×2840	3600
PDZ1.5	10	2120×1260	62	1500	800	41	30	38	4400×1700×2880	4200
PDZ1.8	12	2120×1260	73	1800	960	51.4	38	57	4400×1700×3210	4600
PDZ2.4	10	2520×1638	97	2400	1280	60	40	66.8	4700×2100×2900	5500

注：1. 标准产品保温门为折叠式，可作滑动式或其他样式。2. 可根据客户实际需要，设计制造各种非标产品。

Note: 1. Folding-type insulation door for standard product. Can supply the sliding or other type door. 2. special design can be made depending on requirements.

产品说明 / PRODUCT INSTRUCTION

搁架平板速冻机由蒸发板、保温库体、风机及电控箱等部分组成。铝合金平板蒸发器两端的轴流风机使库内的冷风形成定向循环，是冻结物达到了接触和鼓风双重冻结方式，换热系数大，适用于多种食品的速冻加工。适合冷库、水产品和肉类加工等行业食品速冻、捕捞渔船及渔业加工船等。该装置冻结量大、结构紧凑、清洁卫生、操作简便。

Semi-ABF is composed of evaporative plate, insulation panel, fans and control box etc. Axial fans located on the both sides of aluminum alloy evaporative plate form air flow constant circulation inside chamber, which realize blast and contact, double freezing mode for the frozen foods and high heat exchange coefficient. Semi-ABF possess the advantage of large freezing capacity, compact structure, clean and sanitation, easy to operate and widely apply in cold storage, aquatic foods, meat processing etc foods quick freezing industry, fish catching boat and fishery processing industry etc.

设计工况 / DESIGN CONDITION

- 制冷剂氟利昂R22、R404A、R717或相关载冷剂。
- 进货温度：+15℃
- 出货温度：≤ -18℃
- 环境温度：≤ +50℃
- 冷凝温度：+35℃
- 蒸发温度：-35℃
- 蒸发净间距：120mm
- 冻结时间：鱼（鱼盘尺寸600*400*80mm 15kg/盘）8小时/次
 虾（虾盘尺寸300*200*60mm 2kg/盘）4-5小时/次
 鳕鱼（鱼盘尺寸520*310*60mm 7.5kg/盘）2.5-3小时/次



- Refrigerant: R22, R404A, R717 or similar.
- In-take temp: +15℃
- Out-take temp: ≤ -18℃
- Ambient temp: ≤ 50℃
- Condensing temp: 35℃
- Evap. temp: -35℃
- Net clearance between evaporative plate: 120mm
- Freezing Time: Fish (tray size: 600*400*80mm 15kg/tray) 8hr/shift
 Shrimp (tray size: 300*200*60mm 2kg/tray) 4-5hr/shift
 Codfish (tray size: 520*310*60mm 7.5kg/tray) 2.5-3hr/shift

产品说明 / PRODUCT INSTRUCTION

船用平板速冻机由蒸发板、液压站、升降系统、主体框架等部件组成，根据冻结方式的差别分为卧式和立式两种结构。船用平板速冻机结构紧凑，清洁卫生，操作方便，适用于渔轮水产品作业，陆用水产品原料整块冻结的大批量生产。

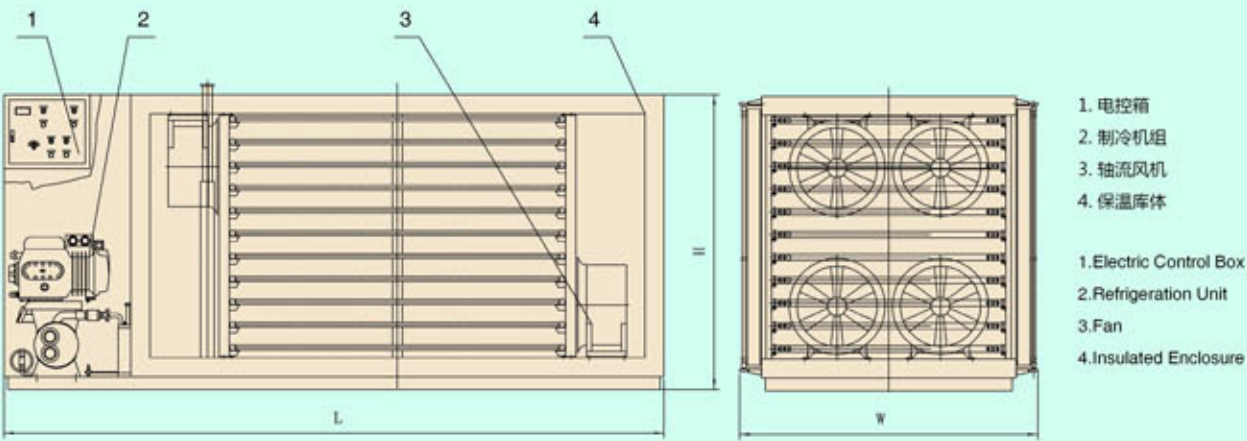
Marine Contract Freezer is composed of evaporative plate, hydraulic station, hoist system, body frame etc. As per frozen mode, it is classified into, vertical type and horizontal type. Marine contract freezer possesses the advantage of compact structure, clean and sanitation, easy to operate. Widely apply in fishery industry, land-aquatic material inblock frozen quantity production.

设计工况 / DESIGN CONDITION

- 制冷剂氟利昂R22、R404A、R717或相关载冷剂。
- 进货温度：+15℃
- 出货温度：≤ -18℃
- 环境温度：≤ +50℃
- 冷凝温度：+35℃
- 蒸发温度：-35℃
- 压合尺寸：78mm
- 拉开尺寸：118mm
- 冻结时间：
 - 鱼（鱼盘尺寸600*400*80mm 15kg/盘）4小时/次
 - 虾（虾盘尺寸300*200*60mm 2kg/盘）2.5-3小时/次
 - 鳕鱼（鱼盘尺寸520*310*60mm 7.5kg/盘）2.5-3小时/次
- Refrigerant: R22, R404A, R717 or similar.
- In-take temp: +15℃
- Out-take temp: ≤ -18℃
- Ambient temp: ≤ 50℃
- Condensing temp: 35℃
- Evap. temp: -35℃
- Pressing close clearance: 78mm
- Pull open clearance: 118mm
- Freezing Time:
 - Fish (tray size: 600*400*80mm 15kg/tray) 4hr/shift
 - Shrimp (tray size: 300*200*60mm 2kg/tray) 2.5-3hr/shift
 - Codfish (tray size: 520*310*60mm 7.5kg/tray) 2.5-3hr/shift



结构型式 / STRUCTURE

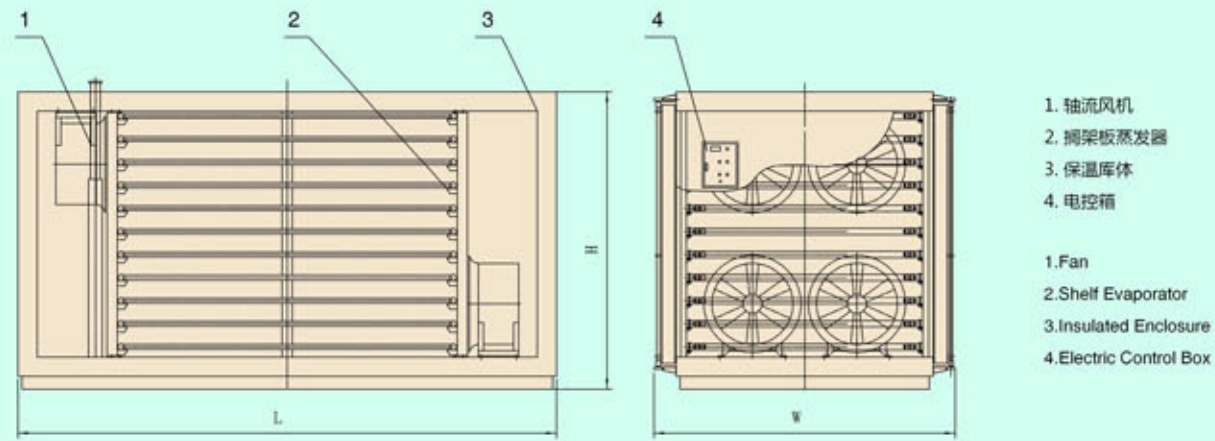


技术参数 / DATA OF PLATE FREEZER

型号 Model	蒸发板 Evap. Station			冻结量(kg/台.次) Freezing Capacity (kg/shift/unit)		压缩冷凝机组 Condensing Unit Ref.Capacity		配机功率 (Kw) Installed Motor Power	外形尺寸 (mm) Outline Dim. (长×宽×高) L×W×H	重量 Weight (kg)
	有效层数 Effective Layer	有效尺寸 Size (mm)	蒸发面积 Evap.Area (m²)	冻鱼 Fish	冻虾 Shrimp	制冷量 (kw)	冷却水量 (m³/h)			
GDZ0.96-KL	8	1720×1230	90	960	512	16.3	16	20.25	4220×1740×1720	2700
GDZ1.2-KL	10	1720×1230	110	1200	640	19	20	24	4220×1740×2040	3000
GDZ1.5-KL	10	2120×1230	135	1500	800	19	24	24	4720×1740×2040	3400
GDZ1.8-KL	10	2520×1230	165	1800	960	32.6	30	39.7	5120×1740×2040	3700
GZD2.1-KL	10	2920×1230	206	2100	1120	32.6	38	39.7	5520×1745×2040	4200
GDZ3.15-KL	10	2920×1845	284	3150	1680	53.8	40	48	5520×1745×2040	4800
GDZ3.6-KL	10	3400×1845	321	3600	1920	53.8	40	48	5920×1745×2040	5300

注：1. 标准产品保温门为折叠式，可作滑动式或其他样式。2. 可根据客户实际需要，设计制造各种非标产品。
Note: 1. Folding-type insulation door for standard product. Can supply the sliding or other type door. 2. special design can be made depending on requirements.

结构型式 / STRUCTURE

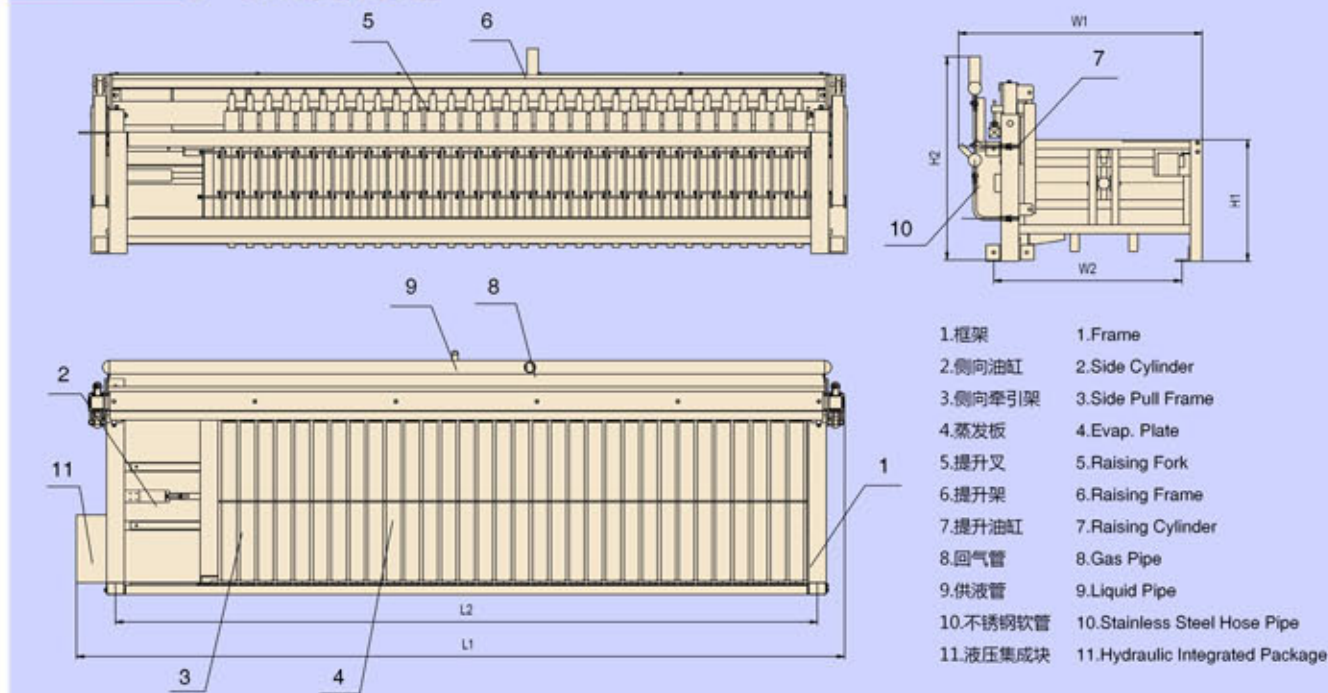


技术参数 / DATA OF PLATE FREEZER

型号 Model	蒸发板 Evap. Station			冻结量(kg/台.次) Freezing Capacity (kg/shift/unit)		配机功率 (Kw) Installed Motor Power	外形尺寸 (mm) Outline Dim. (长×宽×高) L×W×H	重量 Weight (kg)
	有效层数 Effective Layer	有效尺寸 Size (mm)	蒸发面积 Evap.Area (m²)	冻鱼 Fish	冻虾 Shrimp			
GD0.96-KL	8	1720×1230	90	960	512	15	4220×1740×1720	1880
GD1.2-KL	10	1720×1230	110	1200	640	19	4220×1740×2040	2180
GD1.5-KL	10	2120×1230	135	1500	800	23	4720×1740×2040	2480
GD1.8-KL	10	2520×1230	165	1800	960	28.8	5120×1740×2040	2780
GD2.1-KL	10	2920×1230	206	2100	1120	35	5520×1745×2040	3180
GD3.15-KL	10	2920×1845	284	3150	1680	47	5520×1745×2040	3680
GD3.6-KL	10	3400×1845	321	3600	1920	53	5920×1745×2040	4380

注：1. 标准产品保温门为折叠式，可作滑动式或其他样式。2. 可根据客户实际需要，设计制造各种非标产品。
Note: 1. Folding-type insulation door for standard product. Can supply the sliding or other type door. 2. special design can be made depending on requirements.

结构型式 STRUCTURE

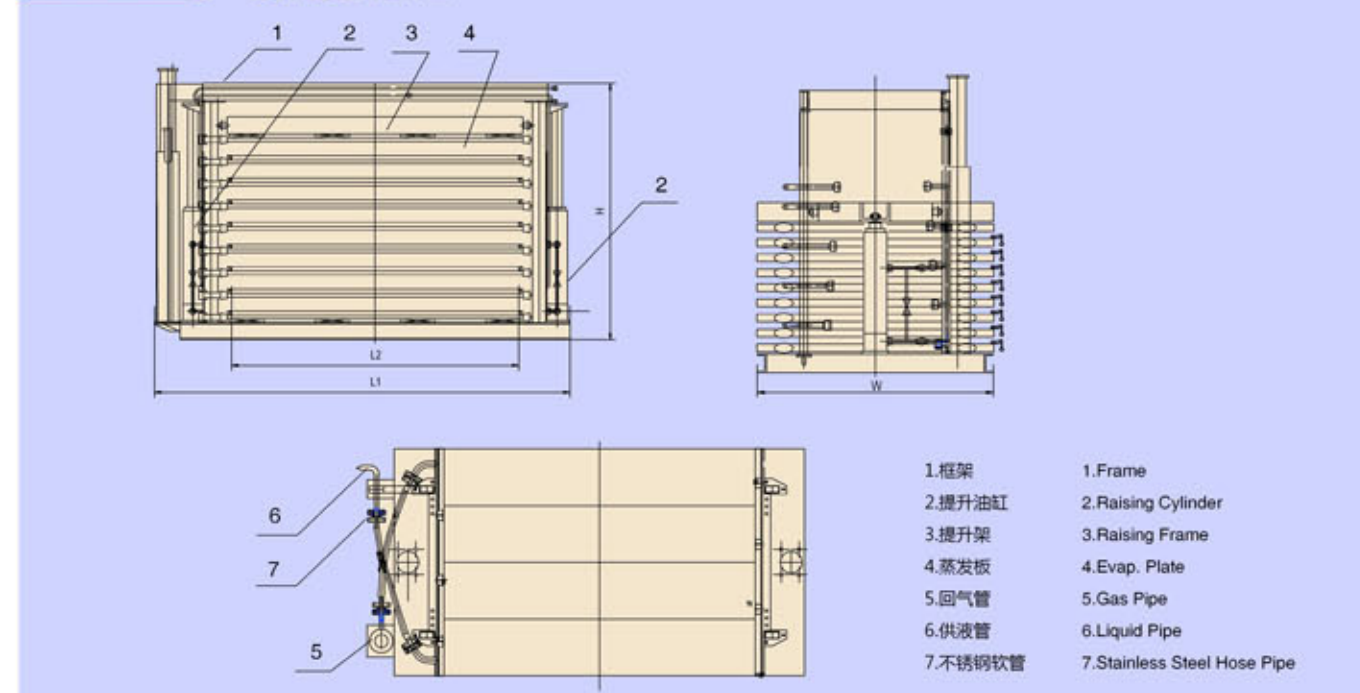


技术参数 DATA OF PLATE FREEZER

型号Model	L1	L2	W1	W2	H1	H2	蒸发板层数 Total Layer
LPD-0.48-C2	2560	2120	1630	1260	1350	810	13
LPD-0.72-C2	3330	2890	1630	1260	1350	810	19
LPD-1.04-C2	4350	3910	1630	1260	1350	810	27
LPD-1.28-C2	5120	4680	1630	1260	1350	810	33
LPD-1.52-C2	5890	5450	1630	1260	1350	810	39

注：1. 标准产品保温门为折叠式，可作滑动式或其他样式。2. 可根据客户实际需要，设计制造各种非标产品。
Note: 1. Folding-type insulation door for standard product. Can supply the sliding or other type door. 2. special design can be made depending on requirements.

结构型式 STRUCTURE



技术参数 DATA OF PLATE FREEZER

型号Model	L1	L2	W	H	蒸发板层数 Total Layer	有效层数 Effective Layer
PD-0.63-C2	2100	1260	1340	1330	8	7
PD-0.72-C2	2500	1680	1340	1200	7	6
PD-0.96-C2	2500	1680	1340	1480	9	8
PD-1.2-C2	2500	1680	1340	1780	11	10
PD-1.5-C2	2900	2120	1340	1780	11	10
PD-1.65-C2	2900	2120	1340	1920	12	11
PD-1.8-C2	2900	2120	1340	2060	13	12
PD-2.1-C2	3220	2520	1340	2360	15	14
PD-2.4-C2	3220	2520	1718	1800	11	10
PD-2.7-C2	3220	2520	1970	1800	11	10

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Note: 1. Folding-type insulation door for standard product. Can supply the sliding or other type door. 2. special design can be made depending on requirements.