

OCEAN|BLUE

REFRIGERATION ACCESSORIES



烟台海蓝制冷科技有限公司

YANTAI OCEANBLUE REFRIGERATION ENGINEERING CO.,LTD

ABOUT US

We are a consulting and engineering company with main business line of Industrial Refrigeration products. Ocean Blue is an energetic runner in market of Industrial Refrigeration, Freezing, and Cold Storage, focusing on offering solution and equipments with advanced technology in market of industrial refrigeration, cold storage, quick freezing and cold-chain logistics.

We offer solutions and advanced refrigeration equipments for all kinds of food processing, cooling, freezing and deep freezing projects. Our rapid growth and success can be attributed to our dedication to quality, technical expertise, cost efficiency, and high technology capabilities.

Business Goal :

World's Leading Refrigeration
Equipment's Supplier
Customer-Oriented Company

Target Market :

Seafood Processing;
Fruit & Vegetable processing;
Meat processing;
Pharmaceutical;
Chemical industry....

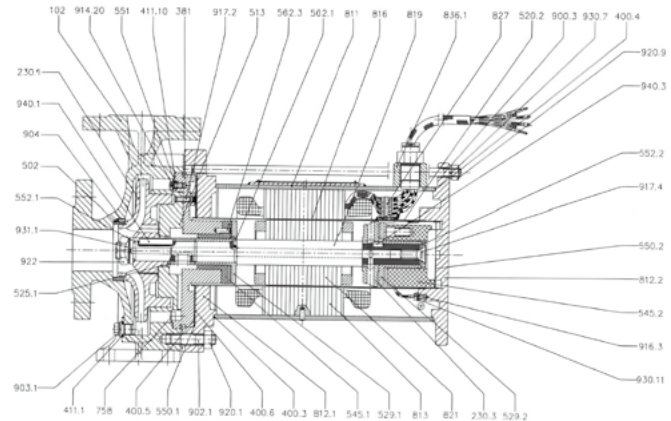
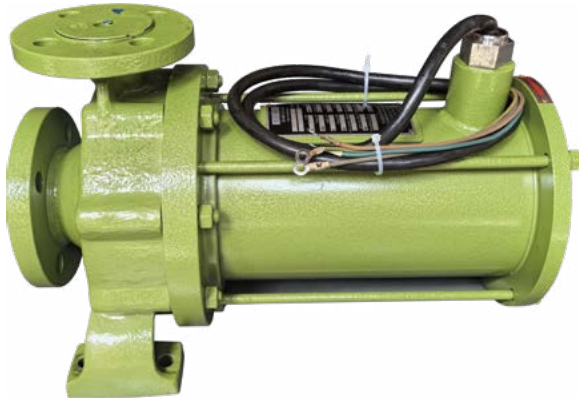


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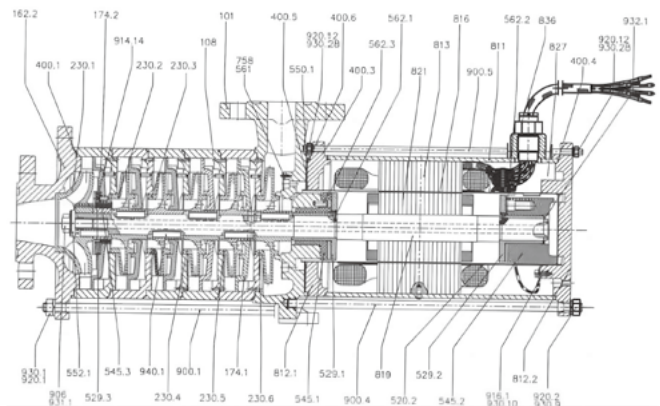
REFRIGERATION PUMP

REFRIGERATION PUMP



CMP single-stage refrigeration pump adopts high-pressure internal circulation method. Part of the medium is diverted from the high-pressure area at the impeller outlet, flows into the axial hole through the filter, is pressurized by the auxiliary impeller again, enters the shielded motor rotor cavity, and finally returns to the high-pressure area at the impeller outlet. This high-pressure internal circulation method fully ensures the pressure in the rotor cavity of the shielded motor and prevents the medium from vaporizing in the pump. This shunt simultaneously cools the motor and lubricates the sliding bearings.

PUMP TYPE	STAGE	Cap.(m ³ /h)	HEAD (M)	MOTOR DATA(KW)
CMP	32-160	6.25	33	M3.0
		10	32	M3.0
		13	32	M3.0
	32-200	6.25	53	M4.5
		10	52	M4.5
		15	49	M4.5
	40-160	8	32	M3.0
		10	32	M3.0
		15	32	M4.5
		20	31	M4.5
	40-200	8	51	M4.5
		10	51	M4.5
		15	50	M6.5
		20	49	M6.5
		25	47	M6.5
	50-160	10	33	M4.5
		20	33	M4.5
		30	33	M6.5
		40	31	M6.5
		50	29	M6.5
	50-200	10	53	M6.5
		20	53	M6.5
		30	58	M8.5
		40	57	M8.5
		50	56	M8.5



The CMP32 refrigeration pump is a multi-stage pump that adopts high-pressure internal circulation. Part of the medium is diverted from the high-pressure area at the outlet of the secondary impeller, flows into the shielded motor rotor cavity through the filter, and returns to the sub-high-pressure area of the secondary impeller through the axial hole. This high-pressure internal circulation method fully ensures the pressure in the rotor cavity of the shielded motor and prevents the medium from vaporizing in the pump. This shunt simultaneously cools the shielded motor and lubricates the sliding bearing. When the pump is running, the axial force is hydraulically balanced automatically. The NPSH of the pump is very low. For example, when the flow rate is as high as 10m³/h, the NPSH of the pump is only 0.8m.

PUMP TYPE	STAGE	Cap.(m ³ /h)	HEAD (M)	MOTOR DATA(KW)
CMP32	2	3	27	M3.0
		6	25	M3.0
	3	3	38	M3.0
		6	33	M3.0
	4	3	49	M3.0
		6	45	M3.0
	5	3	61	M3.0
		6	57	M3.0
	6	3	73	M3.0
		6	66	M3.0



EVAPORATIVE CONDENSER ACCESSORIES

EVAPORATIVE CONDENSER AXIAL FLOW FAN



JZL/ZF series axial flow fans adopt new technology and new configuration axial flow fans No6.3~No9.0 uses a special aluminum casing motor or its own patented YT series motor, a shortened low-noise air duct, a reinforced special protective net bracket, and a concave forward-swept composite impeller.

Size	Speed(rpm)	Volume(m ³ /h)	Total Pressure(Pa)	Noise LA(dB(A))	Motor	Power(Kw)	Weight(kg)
8.0-1	1450	25000	180	73	YT112M-6	2.2	90
9.0-1	960	30000	150	73	YT112M-6	2.2	104
9.0-2	960	30000	210	75	YT132S-6	3.0	112
9.0-3	960	35000	260	77	YT132M1-6	4.0	130
10.0-1	960	40000	230	78	YT132M1-6	4.0	150
11.2-1	960	41000	220	79	YCL132M1-6	4.0	189
12.0-1	720	60000	180	76	YCL160M1-8	4.0	220
12.5-1	720	60000	170	76	YCL160M1-8	4.0	230
12.5-2	720	50000	200	77	YCL160M1-8	4.0	230
12.5-3	720	65000	200	78	YCL160M2-8	5.5	255
12.5-4	720	45000	292	80	YCL160L-8	7.5	300
12.5-5	720	45000	322	81	YCL160L-8	7.5	300
12.5-6	1450	67800	815	96	YCL180L-4	22.0	515
13.0-1	720	75000	180	80	YCL160M2-8	5.5	260
14.0-1	720	75000	180	80	YCL160M2-8	5.5	295
15.0-1	720	85000	180	79	YCL160L-8	7.5	340
16.0-1	720	100000	180	82	YCL160L-8	7.5	360
18.0-1	720	125000	180	83	YCL180L-8	11.0	430
20.0-1	320	90000	135	78	YCL200L-16	5.5	505
22.0-1	320	100000	135	79	YCL225M-16	7.5	545
24.0-1	580	180000	150	87	YCL225M-10	18.5	720
24.0-2	580	150000	150	85	YCL225M-10	15.0	690

REFRIGERATION AXIAL FLOW FAN



JZL series refrigeration axial flow fans adopt new technology and new configuration of axial flow fans, equipped with special YT series motors, forward-swept airfoil impellers, and special sealing structures to improve the reliable operation time of the fans. The fan is light in weight, beautiful in appearance, safe and operates smoothly. This series of fans are widely used in spiral freezers, tunnel freezers, contact plate freezer, semi contact plate freezer, pre-coolers, cold storage, etc. They are ideal supporting products for high-end refrigeration and food processing.

Size	Speed(rpm)	Volume(m ³ /h)	Total Pressure(Pa)	Noise LA(dB(A))	Motor	Power(Kw)	Weight(kg)
5.0-1	1450	7500	200	74	YSF8024C·D	0.75	33.5
5.0-2	1450	10000	200	75	YT90S-4C·D	1.10	37.5
5.6-1	1450	9972	155	73	YSF8024C·D	0.75	42.5
6.3-1	1450	8000	200	74	YSF8024C·D	0.75	56.0
6.3-2	1450	12000	200	76	YT90S-4C·D	1.10	52.0
6.3-3	1450	10000	420	82	YT100L ₁ -4C·D	2.20	67.0
7.1-1	1450	20000	220	79	YT100L ₁ -4C·D	2.20	70.0
7.1-2	1450	22670	283	82	YT100L ₂ -4C·D	3.00	74.0
7.1-3	1450	26000	300	83	YT112M-4C·D	4.00	84.0
8.0-1	960	20700	150	76	YT100L-6C·D	1.50	84.0
8.0-2	960	23451	186	77	YT112M-6C·D	2.20	85.0
8.0-3	1450	30000	220	81	YT100L ₂ -4C·D	3.00	89.0
8.0-4	1450	29000	320	84	YT112M-4C·D	4.00	95.0
8.0-5	1450	26000	550	88	YT132S-4C·D	5.50	119.0
8.0-6	1450	36081	441	88	YT132M-4C·D	7.50	105.0

★ For more detailed technical parameters, please refer to our catalog

WATER PUMP



KAIQUAN



SHANCHUAN



REN BEN

Working conditions

Speed: 2960r/min, 1480r/min or 980r/min

Capacity range: 1.8~2000m³/h

Head: Up to 127m

Medium temperature:

-10℃ ~ 80℃

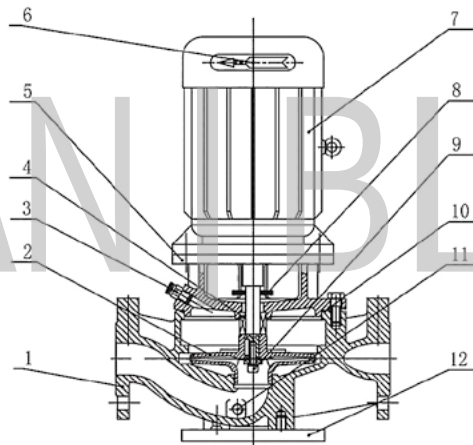
Materials

Casing, Cover, Impeller : Cast iron

Shaft : 45#Cr-plating

Motive, motionless ring of mechanical seal:

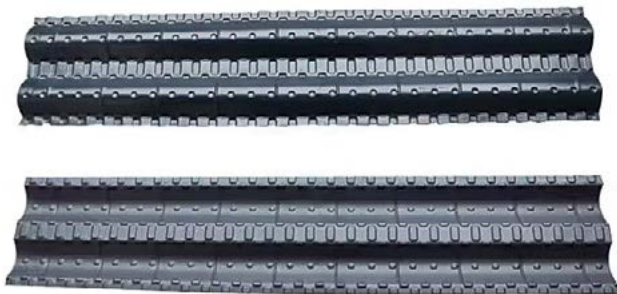
Graphite, harden alloy



No.	Name
1	Casing
2	Impeller
3	Air discharge valve
4	Mechanical seal
5	Casing cover
6	Change direction plate
7	Motor
8	Deflector
9	Screw
10	O seal ring
11	Plug
12	Baseplate

Model		Capacity		Head(m)	Speed(r/min)	Power(kw)	Weight(kg)
Kaiquan	Shanchuan	(m ³ /h)	(L/s)				
KQL65/80-0.75/2	65LT2-0.75	28	7.8	4	2960	0.75	32
KQL80/70-1.1/2	80LT2-1.1	53	14.7	4	2960	1.1	40
KQL80/80-1.5/2	80LT2-1.5	70	19.4	4	2960	1.5	41
KQL80/80-2.2/2	80LT2-2.2	84	23.3	4	2960	2.2	43
KQL125/125-2.2/4	100LT4-2.2	100	27.8	5	1480	2.2	65
KQL125/125-3/4	125LT4-3.0	150	41.7	5	1480	3	80
KQL125/125-4/4	125LT4-4.0	180	50	5	1480	4	88
KQL150/125-5.5/4	150LT4-5.5	233	64.7	5	1480	5.5	155
KQL150/125-7.5/4	150LT4-7.5	286	79.4	5	1480	7.5	165

DRIFT ELIMINATOR



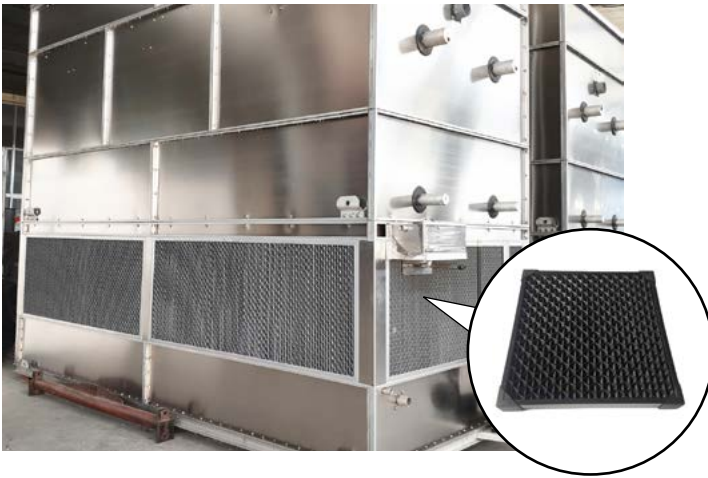
PVC WATER COOLER



SPRAY NOZZLE



AIR INLET GRILLE



WATER TREATMENT DEVICE



No.	Model	Inlet/Outlet Size		Flow (m3/h)	A (mm)	B (mm)	C (mm)	Input Power(w)	Flange	Pressure (Mpa)	Weight (kg)
		mm	in								
1	ADL-2W	50	2	11-23	660	440	110	50	Φ125/4-φ18	1.0	20
2	ADL-2 ^{1/2} W	65	2 ^{1/2}	26-30	660	440	110	50	φ145/4-φ18	1.0	22
3	ADL-3W	80	3	35-55	940	460	240	50	φ160/8-φ18	1.0	24
4	ADL-4W	100	4	65-100	940	460	240	50	φ180/8-φ18	1.0	26
5	ADL-5W	125	5	120-150	1200	600	300	100	Φ210/8-φ18	1.0	48
6	ADL-6W	150	6	145-240	1200	600	300	100	Φ240/8-φ22	1.0	56

HEAT EXCHANGER

STAINLESS STEEL TUBE FIN TYPE HEAT EXCHANGER



COPPER TUBE FIN TYPE HEAT EXCHANGER



HOT DIP GALVANIZED FIN TYPE HEAT EXCHANGER



MARINE EVAPORATOR



PLATE HEAT EXCHANGER



AIR COOLER AND AIR-COOLED CONDENSER FAN

CYLINDRICAL FAN



MESH FAN



ICE MAKING SYSTEM

FLAKE ICE EVAPORATOR(1-30T)



Model	MIF-5T	MIF-10T	MIF-15T	MIF-20T	MIF-25T	MIF-30T
Capacity	5T	10T	15T	20T	25T	30T
Cooling Capacity(Kw)	30	60	90	120	150	180
Size	1180*1050*1420	1580*1500*1670	1581*1500*2130	2130*1850*2240	2130*1850*2550	2520*2250*2500
Weight(Kg)	370	1100	1550	2200	2500	3000

FLAKE ICE MACHINE(0.5~30T)



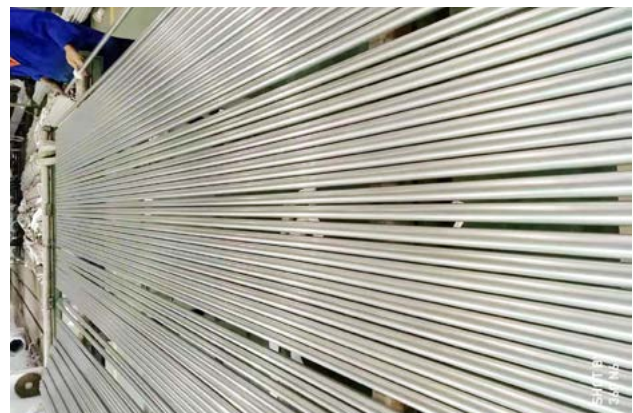
Model	MIF5T-R	MIF10T-R	MIF15T-R	MIF20T-R	MIF25T-R	MIF30T-R
Capacity	5T	10T	15T	20T	25T	30T
Cooling Capacity(Kw)	38.7	76.5	101.5	131.4	164.5	181
Size	2030*1500*1470	2200*1900*1750	3500*2100*2100	3500*2100*2200	3600*2100*2450	4000*2100*2620
Weight(Kg)	980	2020	3850	4100	4250	4500

TUBE ICE MACHINE(1~30T)



Model	MIT2-R2	MIT3-R2	MIT5-R2	MIT10-R2	MIT20-R2	MIT30-R2
Capacity	2T/24H	3/24H	5/24H	10/24H	20/24H	30/24H
Cooling Capacity(Kw)	19.3	34.4	50.7	80.9	161.8	242.7
Weight(Kg)	1150	1280	1600	2750	5200	6400
Size(mm)	1650*1300*2150	1650*1300*2150	1750*1400*2200	2300*1600*3100	2400*2100*2250	2900*2100*2250

STAINLESS STEEL TUBE FOR TUBE ICE MACHINE



Tube diameter: 22mm,29mm,35mm,38mm,41mm

SPIRAL TUBE EVAPORATOR



Model	Heat exchange area	L(mm)	W(mm)	H(mm)
S-24	24 m ²	2080	480	1000
S-36	36 m ²	3040	480	1000
S-45	45 m ²	3760	480	1000
S-60	60 m ²	4960	480	1000
D-20	20 m ²	2560	480	1000
D-30	30 m ²	3760	480	1000
D-40	40 m ²	4960	480	1000
D-50	50 m ²	6160	480	1000
D-60	60 m ²	7360	480	1000

Spiral evaporators are divided into single spiral and double spiral, and the materials can be spray-painted steel, hot-dip galvanized steel, and stainless steel.

ICE CAN



★ Size can be customized.

Capacity	Size	Thickness	Material
25KG	350*150*700mm	1.2-1.5mm	Galvanized Steel SS304 SS316
50KG	400*200*1000mm	1.5-2.0mm	
100KG	545*270*1000mm	1.5-2.0mm	
125KG	540*240*1200mm	1.5-2.0mm	

BLENDER



Model	Impeller diameter	R.P.M	water volume	Power
LJ-250	250	960	220-320	2.2
LJ-300	300	960	360-480	3.0
LJ-340	340	960	480-600	4.0

ICE RACKS, ICE POURERS, WATER DISPENSERS



We can customize ice racks, ice pourers, and water dispensers for customers.
Material: spray-painted steel, hot-dip galvanized steel, and stainless steel.

ICE CRUSHER



Ice crusher, capacity 1~20T/H, the material can be stainless steel or carbon steel.

FREEZER ACCESSORIES

ALUMINUM FREEZER PLATE



	Effective size	Effective size	Effective size	Effective size	Effective size	Effective size
Contact freezer plate	1700×1260	2150×1262	2540×1260	1700×1575	2150×1575	2540×1575
Air blast freezer plate	1250×1640	1850×1640	2450×1640	3050×1640	3700×1640	4300×1640



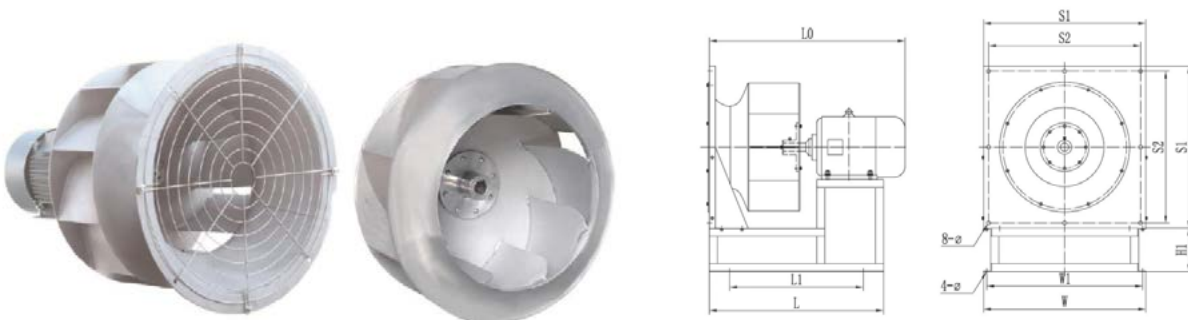
ALUMINUM FROZEN TRAY

			
Size	Size	Size	Size
L290*W190*H60mm	L596*W305*H62(66)mm	L820*W270*H62mm	L514*W274*H60mm
Aluminum	Aluminum	Aluminum	Aluminum
Thickness=2.0mm	Thickness=2.0mm	Thickness=2.0mm	Thickness=2.5mm

- 1.Frozen aluminum trays are suitable for use in contact plate freezers and semi contact plate freezers.
- 2.We can accept special customized sizes.
- 3.Customization of stainless steel trays and galvanized trays can be accepted.

IQF CENTRIFUGAL FAN

IQF centrifugal fan is a machine that depends on the input mechanical energy to increase the gas pressure and send gas side by side. It is a driven fluid machinery. It is used in the freezing machine of refrigeration equipment, which can improve the freezing and reduce the freezing time.



Model	Material	Speed	Air volume	Air pressure	Noise LA	Motor	Brand
R63-630-38	Aluminum	1450	18000m ³ /h	600pa	80	7.5KW-4poles	ROSENBORG
R63-710-38	Aluminum	1450	28000m ³ /h	750pa	81	11KW-4poles	ROSENBORG
LKZWH630L	Aluminum	1450	18000m ³ /h	600pa	80	7.5KW-4poles	OCEANBLUE
LKZWH710L	Aluminum	1450	28000m ³ /h	750pa	81	7.5KW-4poles	OCEANBLUE
FQF-No.640	Stainless 304	1450	16000m ³ /h	600pa	85	5.5KW-4poles	OCEANBLUE
FQF-No.680	Stainless 304	1450	22000m ³ /h	700pa	86	7.5KW-4poles	OCEANBLUE
FQF-No.700	Stainless 304	1450	26000m ³ /h	750pa	88	11KW-4poles	OCEANBLUE
FQF-No.800	Stainless 304	1450	28000m ³ /h	1000pa	89	15KW-4poles	OCEANBLUE

REFRIGERATING SYSTEM VALVES

DANFOSS

Danfoss



HANSEN

HANSEN
TECHNOLOGIES



HT200N

| DOFUN



| AMG

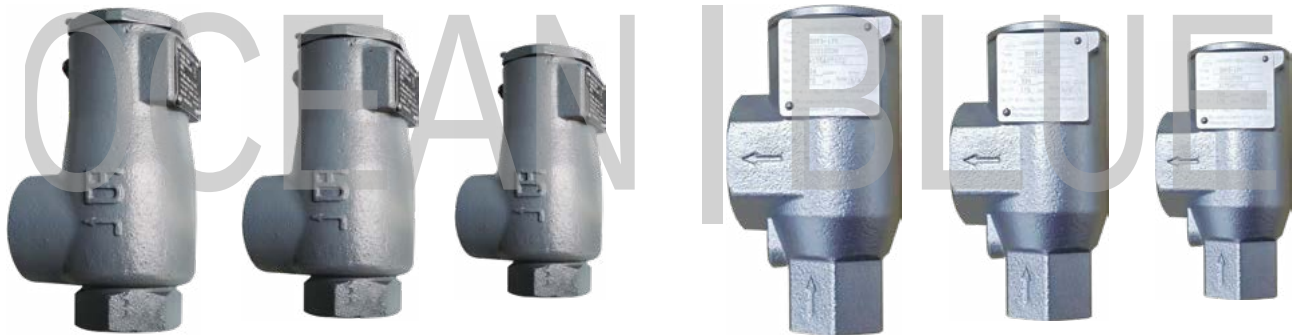


REFRIGERATING SYSTEM ACCESSORIES

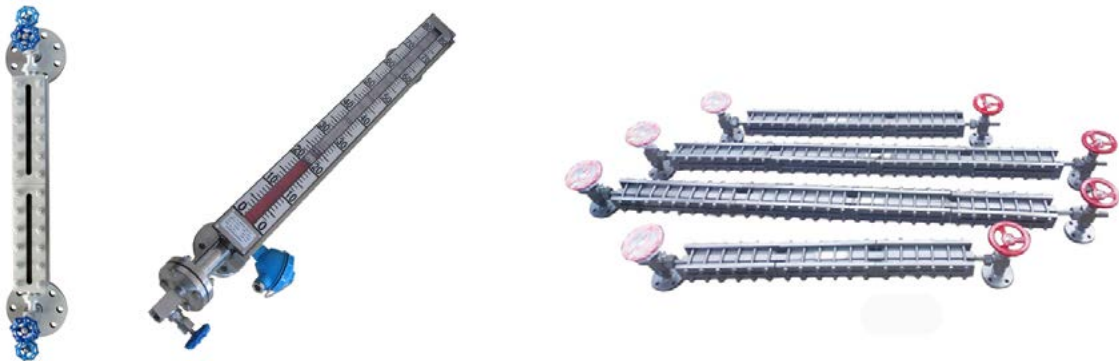
PRESSURE GAUGE



SAFETY VALVE



LIQUID LEVEL INDICATOR



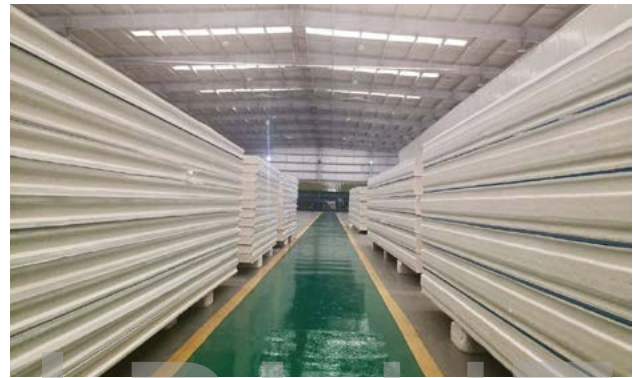
COLD STORAGE ACCESSORIES

PU PANEL;PIR PANEL

Outer sheet material of the PU board includes CCS(color coated steel)/SS(stainless steel)

The inner insulated Polyurethane(PU);PIR.

Core foams and solidifies all at once under pressure and tightly combines with outer sheet to make the PU and PIR board strong and rigid.



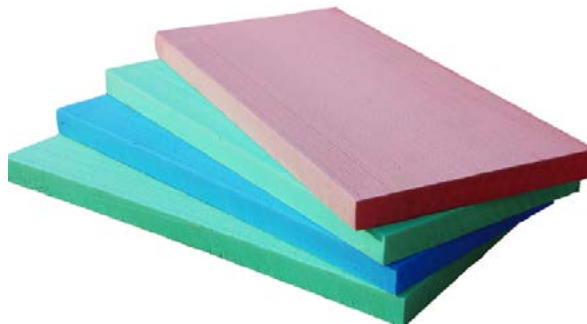
	Thickness(mm)						Width(mm)		Height(mm)	Density
PU PANEL	50	75	100	120	150	200	1000	1160	≤ 11800	≥ 42kg/m ³
PIR PANEL	50	75	100	120	150	200	1000	1160	≤ 11800	≥ 42kg/m ³

XPS PANEL

Extruded polystyrene foam for heat insulation XPS National standard GB/T10801.2-2002

Thermal performance Density 32.00Kg/m³ Thermal conductivity 0.028W/(m.K) Thermal storage coefficient 0.40W/(m².k) Correction coefficient α

Specification for Thermal design of civil buildings GB 50176-2006 Appendix B Thermal calculation parameters Extruded polystyrene foam Dry density 350Kg/m³.



COLD STORAGE DOOR

Cold storage door adopts high strength aluminum alloy profile door frame, high strength, no deformation, beautiful appearance, durable; The door is made of 2.0mm stainless steel wrapped around seamless welding, durable, no deformation, reasonable structure.

The cold storage door is generally injected with polyurethane pressure injection machine once foam molding, polyurethane tissue is dense, evenly filled everywhere in the door, no shrinking bubble phenomenon, the facade is smooth and beautiful, and there is reliable thermal insulation box performance.

Thickness	100A	100B	120A	120B	150A	150B
Door hole size	900×2100	1200×2100	1500×2200	1600×2400	1800×2400	2000×2600

★ A : Color coated steel B:Stainless steel



LOGISTIC DOCKING SYSTEM

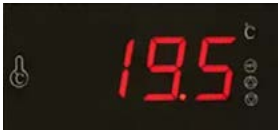
The modern logistics docking system applies mainly in processing house and storage where loading & unloading containers docking frequently. The docking system is one of the most important parts in the whole storage. The docking system consists of dock leveler, sectional overhead door and dock shelter (air bag/screen/cushion). The system is made a tight connection between the container and the storage and kept the storage isolated from outdoor. The gate of the entrance of the storage is controlled open and close safely.

Dock leveller	2000×2500×60mm	2000×2000×60mm
Section overhead door	2500×2800×50mm A/B	
Dock shelter-Air bag	3600×3600mm	
Dock shelter-Screen	3600×3600mm	
Dock shelter-Cushion	3600×3600mm	



COLD STORAGE LIGHT

Cold storage light is a kind of lamp named in the form of the use of the lamp. Mainly used in cold storage, refrigeration, freezers and other ambient temperature is relatively low, relatively humid, and need to use electricity safety and environmental protection places.

Photo	Model	Capacity	Color temp.	Input	Water proof	Working temp.	Height
	EX-301	10W	6500K	AC36V-220V	IP68	-40to50°C	≤ 4m
	EX-401	8W	6500K	AC36V-220V	IP68	-40to50°C	≤ 4m
	EX-415	15W	6500K	AC36V-220V	IP68	-40to50°C	≤ 4m
	EX-307	20W	6500K	AC36V-220V	IP68	-40to50°C	≤ 4m
	EX-407	25W	6500K	AC36V-220V	IP68	-40to50°C	≤ 4m
	EX-550	40W	6500K	AC36V-220V	IP66	-40to50°C	≤ 5m
	EX-560	60W	6500K	AC36V-220V	IP66	-40to50°C	≤ 6m
	EX-1002	100W	6500K	AC110V-220V	IP66	-40to50°C	≤ 10m
	EX-1502	200W	6500K	AC110V-220V	IP66	-40to50°C	≤ 15m
	EX-801	50W	6500K	AC110V-220V	IP66	-40to50°C	≤ 8m
	EX-1001	100W	6500K	AC110V-220V	IP66	-40to50°C	≤ 10m
	EX-1501	150W	6500K	AC110V-220V	IP66	-40to50°C	≤ 12m
	Model	Input		Water proof	Working temp.	remote monitor	
	ZK-8000T	AC12V-220V		IP65	-45to120°C	NO	
	ZK-8000TC	AC12V-220V		IP65	-45to120°C	YES	

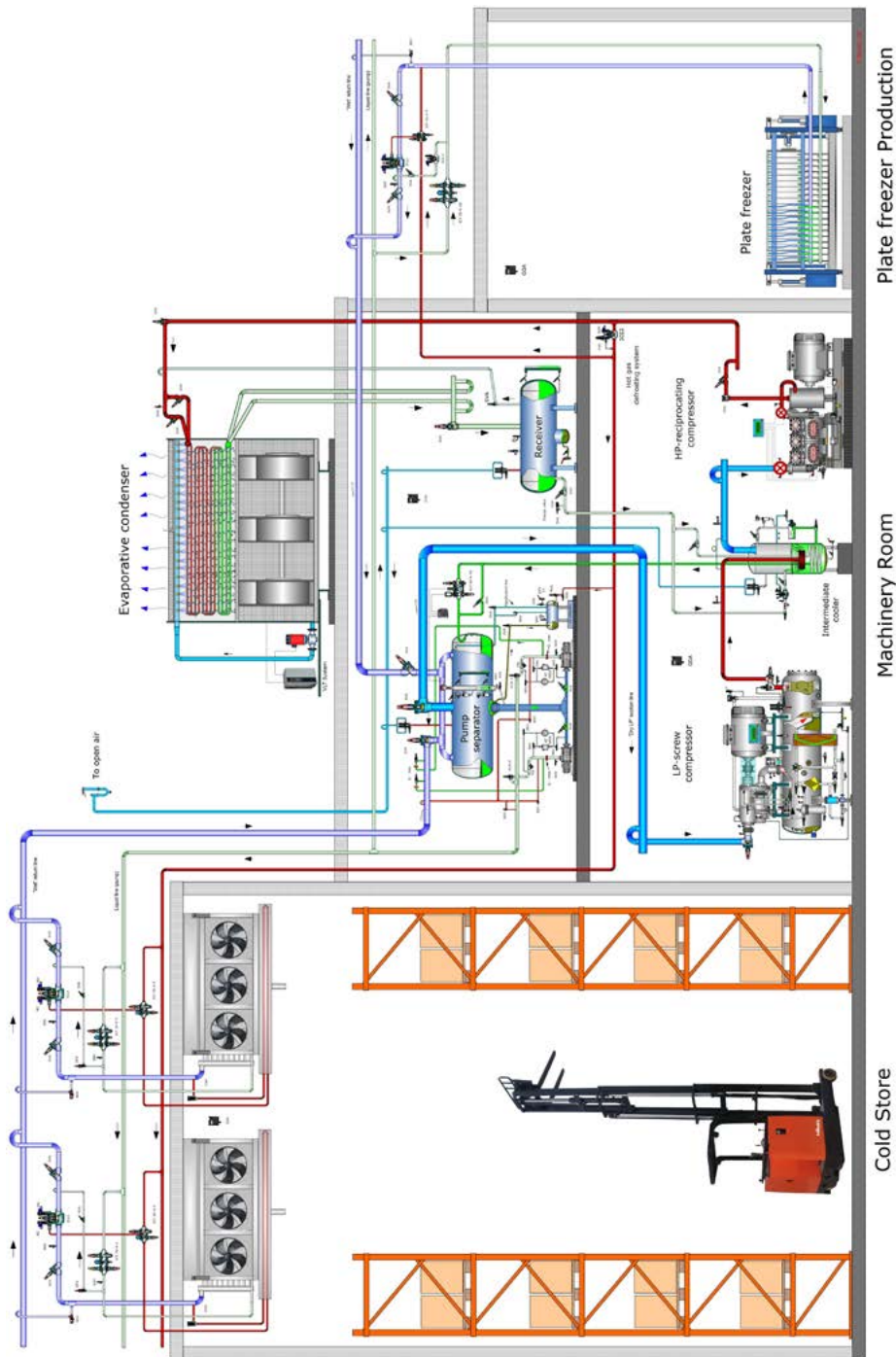
REFRIGERATION PRESSURE VESSELS



OCEANBLUE PROJECTS



INDUSTRIAL REFRIGERATION AMMONIA/FREON/CO2



REFRIGERATION ACCESSORIES

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