



REFRIGERATION **Project** SOLUTION

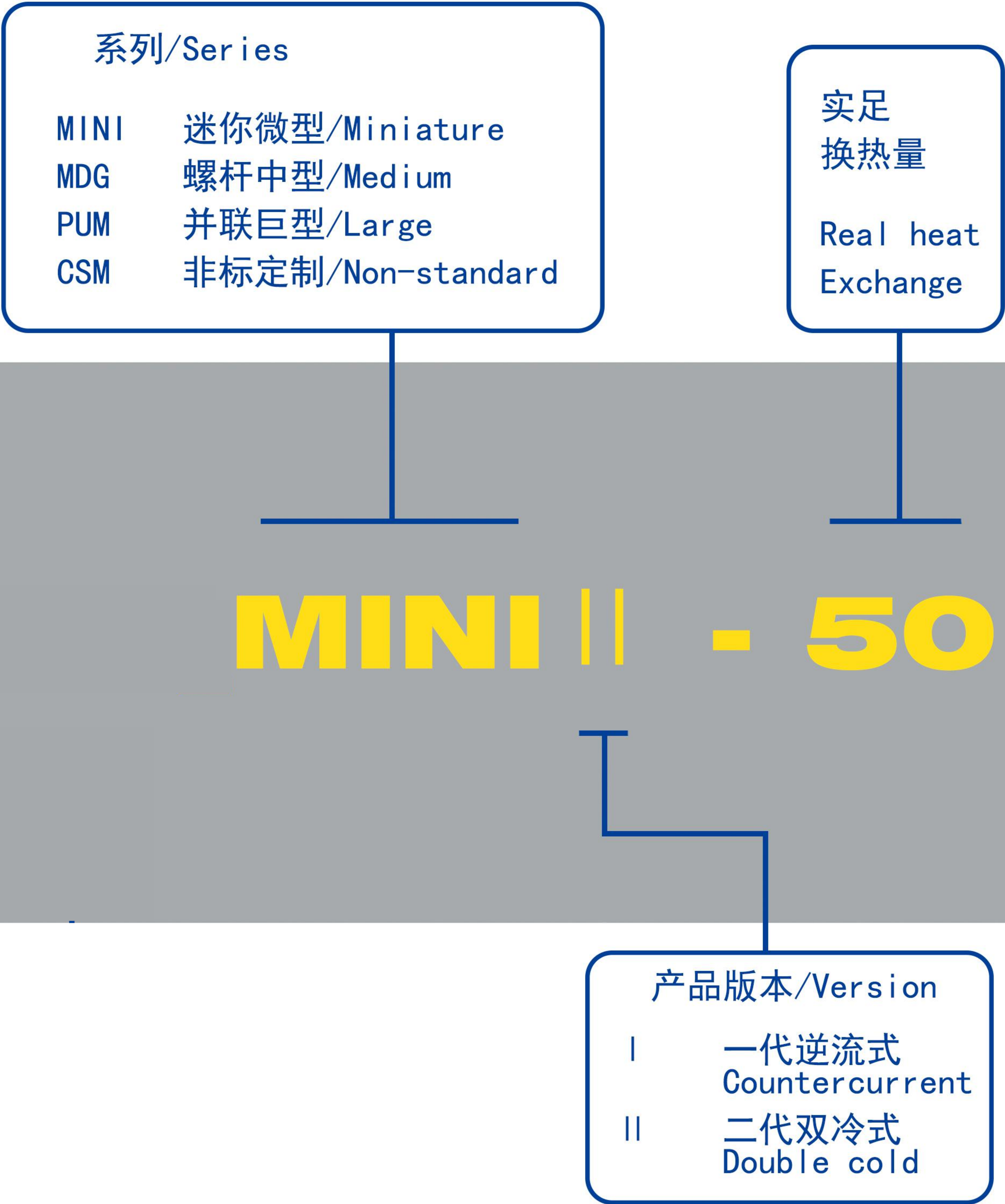
Green Refrigeration, Care For Health of Human

HN3, CO2, R410, R404, R507, R134A, R22
220v-440V, 1ph, 3ph, 50hz, 60hz For choice



Hengchang Refrigeration and Heating Materials Limited

产品命名规则 / Naming rules



产品配置

Product Configuration



外形壳体

Housing material

1.5mm 宝钢镀铝锌板

BaoSteel SGLC

1.5mm 304不锈钢板（可选）

304 stainless steel (Optional)



逆流风机

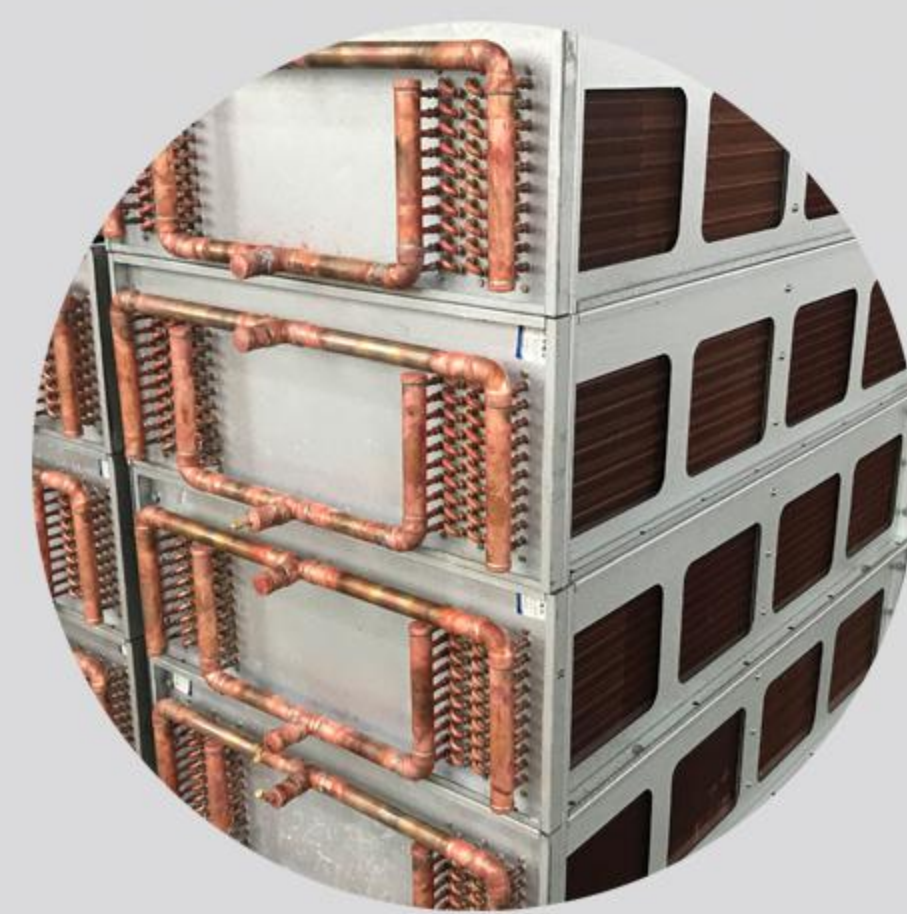
Countercurrent fan

小型：马尔六级电机

Mini:MaEr six-stage motor

中大型：明新十级轴流风机

Others:MingXin ten-stage axial fan



专利一冷换热器

Patented cold heat exchanger

高于常温的热量通过一冷换热器散热，解决水喷淋结垢问题。

Heat above normal temperature is dissipated through a cold heat exchanger to solve the problem of water spray scaling

二代免除垢型蒸发冷，逆流式设计，内部设有：PVC一次填料、挡水板、喷淋水装置、蛇形冷凝盘管、PVC二次填料，底部设集水箱；箱体上部设专利表冷换热器（风冷凝换热装置）。箱体顶部装有轴流通风机；箱体外部设循环水泵。HD蒸发冷工作时，被冷凝介质超出常温部分的热量通过表冷换热器散去，再进入蒸发冷箱体进行传统水喷淋和逆流风的协同冷却后完成冷凝工作。鉴于进入二次冷却的介质处于常温，无论喷淋水质软硬，都不易结垢，因此省去水质处理和人工除垢保养等后期的维护琐事，极大程度延长了寿命。

Second generation descaling type evaporative condenser , countercurrent design. Internal: PVC primary filler、 Flap、 Spray water device、 Serpentine condensation coil、 PVC secondary filler , Water collection tank design at the bottom； Patented table cold heat exchanger (wind condensing heat exchanger)； Circulating water pump outside the cabinet . When evaporative condenser is working , the heat of the condensed medium beyond the normal temperature portion is dissipated through the surface heat exchanger , the condensing work is completed after entering the evaporative cold box for the coordinated cooling of the conventional water spray and the counter-flow wind . In view of the fact that the medium entering the secondary cooling is at a normal temperature , No matter whether the spray water is soft or hard, it is not easy to scale . Therefore , the maintenance of the water treatment and manual descaling and evaporative condenser maintenance is eliminated, which greatly prolongs the life.

主要应用场合：

- 1、各类氟利昂制冷系统 Various Freon refrigeration systems
- 2、碳氢类系统 Hydrocarbon system
- 3、其他制冷剂或物料的冷凝 Condensation of other refrigerants or materials



填料层

Filler layer

上下双层填料

材质：PVC

Upper and lower double-layer packing

Material: PVC



盘管

Steel coil

洁净无缝钢管

椭圆形有缝钢管（可选）

整体热浸锌处理

Clean seamless steel pipe

OR Elliptical seamed steel pipe

Overall hot dip zinc



水泵

Water pump

品牌：利欧

Brand: Leo



产品特点 / Different design

专利表冷换热器/Patent table cold heat exchanger

异于国内外现有品牌蒸发冷，设计融入了一次预冷模块，散去被冷却介质进入水喷淋模块前高于常温的热量，确保喷淋过程无水汽，从根源上解决了水垢问题。真正做到免水质处理，免人工除垢，极大程度地延长了喷淋系统的寿命。鉴于表冷换热器的附加效果，蒸发冷省水达40%以上，当环境温度低于10℃，完全可以支持无水工作。与此同时，集水箱容量需求降低，产品箱体内部盘管配比降低，无水汽可支持流线型设计，使产品可以更轻！更小！更耐打！

Different from the existing brand evaporative cooling, evaporates design incorporates a pre-cooling module to dissipate the heat above the normal temperature before the cooling medium enters the water spray module, ensuring that there is no steam in the spraying process, and the scale problem is solved from the root source. It is truly water-free and free of manual descaling, which greatly extends the life of the sprinkler system.

In view of the additional effect of the surface cold heat exchanger, evaporates evaporates cold water by more than 40%. When the ambient temperature is lower than 10 °C, it can fully support the waterless work. At the same time, the capacity of the water collection tank is reduced, the ratio of the coils in the product box is reduced, and the water-free steam can support the streamlined design, so that the evaporates products can be lighter ! smaller ! More resistant !



上下双层PVC填料/Double layer PVC packing

蒸发冷喷淋系统的挡水板上层设计有PVC填料层，增加换热面积的同时，更加确保了表冷模块和逆流式风机的绝对安全。集水箱与喷淋系统中间也设计有PVC填料层，增加喷淋水与对流风的接触面积，增强热交换能力。

The evaporative cold spray system has a PVC packing layer on the water retaining plate layer, which increases the heat exchange area and ensures the absolute safety of the table cooling module and the counter flow fan.

A PVC packing layer is also designed in the middle of the collecting tank and the spraying system to increase the contact area between the spraying water and the convection wind, and enhance the heat exchange capacity.

宝钢或者304不锈钢外形/Baosteel or 304 Stainless steel shape

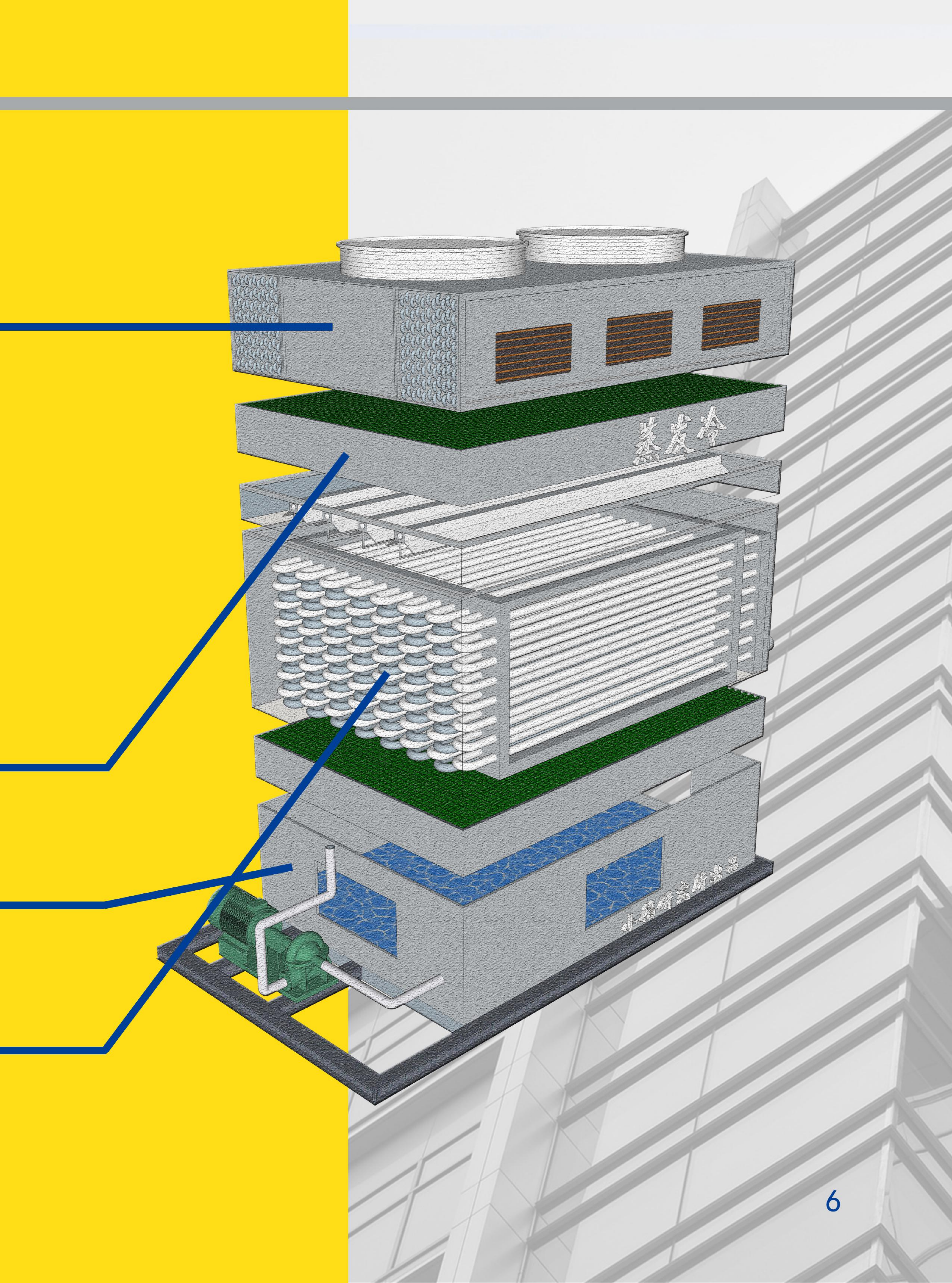
蒸发冷最低配置采用150mm厚正宗宝钢镀锌板，拒绝虽绚丽夺目但禁不住腐蚀考验的合金板。产品所有螺丝卡箍等配件均采用304不锈钢。历经十年风霜，依旧完美如初。

The evaporative cold minimum configuration uses 150mm thick authentic Baosteel galvanized sheet, rejecting the alloy plate that is dazzling but can't resist the corrosion test. All screw clamps and other accessories are made of 304 stainless steel. After ten years of wind and frost, it is still perfect.

换热量实足/Real heat exchange

品牌要求以诚为本，以质为纲，不以眼前的利益，减配或者虚高换热量。喷淋盘管采用洁净无缝钢管整体热浸锌处理，抗腐蚀工作由面及点。铭牌标注换热量与“宝丰”/“BAC”等同。

The brand requires honesty, quality as the key point, not in the immediate interest, reduction or virtual high heat exchange. The spray coil adopts the whole hot-dip galvanizing treatment of the clean seamless steel pipe, and the anti-corrosion work is performed by the surface and the point. The nameplate indicates that the heat exchange amount is equivalent to “SPL” / “BAC”.





产品参数

Product parameters

型号 Model	进气管直径 Diameter of inlet tube	出液管直径 Diameter of outlet tube	外形尺寸 Dimensions			空载重量 Net Weight
	Φ mm	Φ mm	L	B	H	Kg
			mm	mm	mm	
MINI II-60	35	32	1250	960	2100	430
MINI II-90	35	32	1250	960	2200	500
MINI II-120	35	32	1850	960	2100	650
MINI II-150	35	32	1850	960	2200	780
MDG II-180	42 x 2	42	1950	1180	2200	1000
MDG II-240	42 x 2	42	1950	1180	2450	1300
MDG II-260	54 x 2	51	2800	1180	2450	1600
MDG II-320	54 x 2	51	2800	1180	2800	1800
MDG II-380	57 x 2	57	3800	1180	2600	1900
MDG II-460	57 x 2	57	3800	1180	2800	2000
PUM II-520	67 x 2	51 x 2	3800	1600	2600	2200
PUM II-600	67 x 2	51 x 2	3800	1600	2850	2400
PUM II-660	67 x 2	51 x 2	3800	1600	2950	2500
PUM II-750	76 x 2	51 x 2	3800	2000	2900	2600
PUM II-840	76 x 2	51 x 2	3800	2000	3000	2700
PUM II-900	76 x 2	51 x 2	3800	2000	3200	2800
PUM II-1000	89 x 2	57 x 2	3800	2200	3000	3100
PUM II-1080	89 x 2	57 x 2	3800	2200	3200	3200
PUM II-1200	89 x 2	57 x 2	3800	2200	3400	3600

备注：所有超高蒸发冷均可拆分成两部分运输

Ultra-high part can be split and transported

型号 Model	风机功率 Fan Power	数量 Quantity	总风量 Total air volume	风机品牌 Fan Brand	水泵功率 Water Power
	W	N	m ³ /h	B	W
MINI II-60	520	1	12000	马尔	750
MINI II-90	520	1	12000	马尔	750
MINI II-120	520	2	24000	马尔	750
MINI II-150	520	2	24000	马尔	750
MDG II-180	520	2	24000	马尔	750
MDG II-240	520	2	24000	马尔	750
MDG II-260	1100	2	32000	明新	1100
MDG II-320	1500	2	36000	明新	1100
MDG II-380	1100	3	48000	明新	1500
MDG II-460	1100	3	48000	明新	1500
PUM II-520	1500	3	54000	明新	2200
PUM II-600	1500	3	54000	明新	2200
PUM II-660	1500	3	54000	明新	2200
PUM II-750	4000	2	100000	明新	3000
PUM II-840	4000	2	100000	明新	3000
PUM II-900	4000	2	100000	明新	3000
PUM II-1000	5500	2	140000	明新	4000
PUM II-1080	5500	2	140000	明新	4000
PUM II-1200	7500	2	200000	明新	4000



生产车间/Production workshop



表冷换热器生产区及仓储/Surface cold heat exchanger production area and storage



外壳生产区及组装/Shape production area and assembly



