

PROFESSIONAL MANUFACTURER OF  
**AIR CONDITIONING EQUIPMENT**

空调配套设备专业制造商



稳定  
STABILIZE

高效  
EFFICIENT

安全  
SECURE

佛山市南海区美得力空调配套设备有限公司  
Foshan Nanhai Meideli Air Conditioning Equipment Co., Ltd.

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手机画册  
Mobile phone album

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# 公司简介 COMPANY PROFILE

3000<sup>+</sup> m<sup>2</sup>

生产厂房 Production building

30<sup>+</sup> 位

企业人才 Enterprise talent

10<sup>+</sup> 年

行业经验 Industry experience

佛山市南海区美得力空调配套设备有限公司是一家专业的空调配套设备集开发、设计、生产、销售于一体的高新技术企业。拥有一批在空调换热设备领域制造经验丰富的团队，可根据客户实际需求为客户量身定做科学、完善、经济的冷却、加热、净化等配套设备解决方案。

公司拥有国内先进的现代化加工设备和技术力量，专业为中央空调、冷水机、制冰机、工业洗衣机、不锈钢退火炉水箱、食品烘干机、木材干燥机各类定型烘干、冷却以及净化专用机器以及为电子厂、食品厂、钢铁厂、核电厂、纺织厂、印染厂等各行业提供理想的配套设备解决方案。

美得力空调配套设备可提供翅片式不锈钢散热器、不锈钢表冷器、不锈钢蒸发器、不锈钢冷凝器、不锈钢热交换器、不锈钢蒸汽盘管、不锈钢加热器、不锈钢散热器等空调换热设备的非标定制。

我们以其优秀的品质、新颖的设计、合理的价格及完善的售后服务，一心一意为客户提供专业的、优质的服务！



Foshan Nanhai Meideli Air Conditioning Equipment Co., Ltd. is a professional air conditioning equipment development, design, production, sales in one of the high-tech enterprises. With a group of experienced teams in the field of air conditioning heat exchange equipment, we can customize scientific, perfect and economical cooling, heating, purification and other supporting equipment solutions for customers according to their actual needs.

The company has domestic advanced modern processing equipment and technical strength, Professional for central air conditioning, chiller, ice machine, industrial washing machine, stainless steel annealing furnace water tank, food dryer, wood dryer all kinds of drying, cooling and purification of special machines and for electronics factory, food factory, steel factory, nuclear power plant, textile factory, printing and dyeing factory and other industries to provide the ideal supporting equipment solutions.

Meili air conditioning equipment can provide finned stainless steel radiator, stainless steel surface cooler, stainless steel evaporator, stainless steel condenser, stainless steel heat exchanger, stainless steel steam coil, stainless steel heater, stainless steel radiator and other air conditioning heat exchange equipment non-standard customization.

We with its excellent quality, novel design, reasonable price and perfect after-sales service, single-minded to provide customers with professional, quality service!

南海区美得力空调

持续改善 精益求精  
没有最好 只有更好

美得力 MEIDELI  
空调配套设备  
专业生产：表冷器、蒸发器、冷凝器、散热器





# 办公环境 OFFICE ENVIRONMENT

# 企业文化 CORPORATE CULTURE

## 专注 FOCUS

我司深知做事业没有捷径可言，更不会异想天开，只有专注于每一次的用心投入和执着方能成就百年基业。因此，我司更将产业结构定位于专业化、一体化。

My company knows no shortcuts to do business at all, and more Not to be true, and only focus on every Investment intentions and achievements of a century before being persistent base Industry. Therefore, the industrial structure will be more united position Specialization and integration.



## 服务 SERVICE

我司以顾客需求为最终目标，不断进行产品和服务政策的调整和创新，永久性为顾客提供优质产品及服务。

My company with the ultimate goal of customer needs, and constantly Adjustments and innovative products and services policy Permanently provide customers with quality products and services.



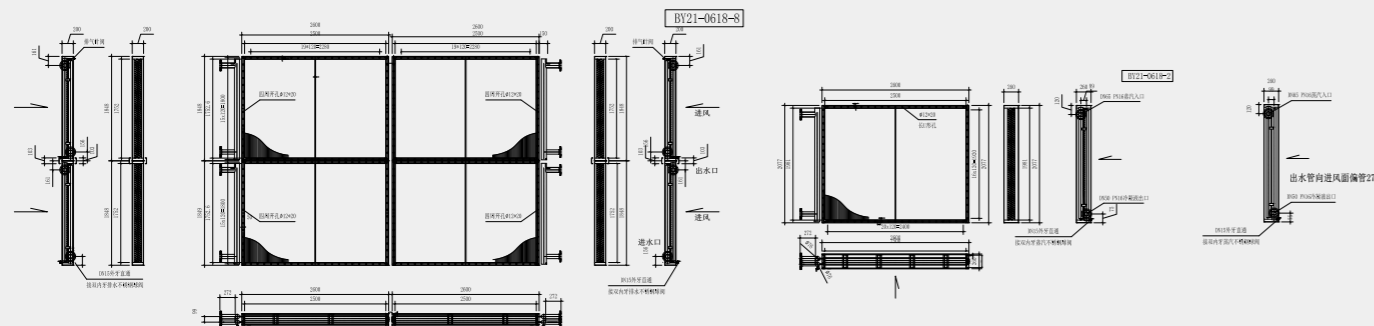
## 创新 INNOVATION



我司以技术和产品创新，以经营策略和服务创新，为企业发展的源泉动力，最终达成永续经营。

My company with technology and product innovation, business strategy Strategy and service innovation, as the source of enterprise development Power, finally reach sustainable development.





- 1、介质：水、乙二醇等无腐蚀溶液；
- 2、功能：含湿量降温、升温，减焓除湿；
- 3、基本组成：铜管、翅片、端板、护板、汇管、放气阀、放水阀；
- 4、常用管径：Φ9.52、Φ12.7、Φ15.88（光身）。

- 1. Medium: water, ethylene glycol and other non-corrosive solution;
- 2. Function: moisture content cooling, heating, enthalpy dehumidification;
- 3. The basic composition: copper pipe, fin, end plate, protection plate, manifold, vent valve, water valve;
- 4. Common pipe diameter: Φ9.52, Φ12.7, Φ15.88 (naked).

### 型号表示 Type indication:

BLQ-6x24x1000x2.5x1.0xDN40-PS1

- 表冷器
- 排数
- 翅片长度
- 片距
- 水通率
- 汇管，接管
- 顺流排空



### 翅片换热器选型 Finned heat exchanger selection:

- 1、对于一般组合式空调机组之盘管，应将盘管迎面风速控制在 2.5m/s 以下，不采用挡水板；采用挡水板，应将盘管迎面风速设计为 3.0~3.2m/s，盘管迎面风速不宜大于 3.5m/s；
- 2、冷热水盘管之管程流速应控制在 0.6~1.5m/s 之间，盘管之管程阻力应控制在 50kPa 以内；
- 3、5/8" 盘管的标准片厚为 0.145mm，标准片距为 3.2mm，标准翅片形式为正弦波纹片。1/2" 盘管的标准片厚为 0.145mm，标准片距为 2.5mm，标准翅片形式为平刀开窗片。3/8" 盘管的标准片厚为 0.115mm 亲水铝翅片，标准片距为 2.3mm，标准翅片形式为平刀开窗片。

- 1. For the coil of the general combined air conditioning unit, the wind speed of the coil should be controlled below 2.5m/s, and the water baffle is not used; When using a water baffle, the wind speed of the coil should be designed to be 3.0~3.2m/s, and the wind speed of the coil should not be greater than 3.5m/s;
- 2. The pipe flow rate of hot and cold water coils should be controlled between 0.6 and 1.5m/s, and the pipe resistance of coils should be controlled within 50kPa;
- 3. 5/8" coil standard thickness is 0.145mm, standard pitch is 3.2mm, standard fin form is sinusoidal corrugated. The standard thickness of the 1/2" coil is 0.145mm, the standard pitch is 2.5mm, and the standard fin form is a flat knife window blade. The standard thickness of the 3/8" coil is 0.115mm hydrophilic aluminum fin, the standard pitch is 2.3mm, and the standard fin form is a flat knife window.



### 蒸汽盘管的选型要点 Key points of steam coil selection:

- 蒸汽盘管迎面风速不宜超过 5m/s，最大排数 2 排；
- 蒸汽压力适宜控制在 0.1~0.4MPa 之间；
- 当蒸汽盘管能力过大时，可采用抽空的方式减小换热能力。
- Steam coil head-on wind speed should not exceed 5m/s, the maximum number of rows 2;
- The steam pressure should be controlled between 0.1 and 0.4MPa;
- When the steam coil capacity is too large, the heat transfer capacity can be reduced by means of evacuation.



### 蒸发盘管的选型要点 Key points of evaporator coil selection:

- 1、对于循环机组迎面风速不宜超过 2.2m/s，排数不宜超过 6 排；对于新风机组迎面风速不宜超过 2.0m/s，排数不宜超过 6 排；回路布置应下进上出，逆流，最小运行冷量时应尽量覆盖最大的迎风面积，各制冷回路应尽量对称布置；
- 2、蒸发温度应控制在 4~7°C 之间，回气过热度控制在 5~10°C 之间；
- 3、蒸发器制冷剂阻力正常控制在 0.3~0.6bar，最大不允许超过 1bar；
- 4、蒸发器的水通率要综合考虑换热器的回路布置和回油，正常情况下单机头制冷系统每个回路 1HP，双机头或多机头制冷系统，需保证每个回路制冷量不小于 1HP。

- 1. For the circulation unit head-on wind speed should not exceed 2.2m/s, the number of rows should not exceed 6 rows; The head-on wind speed of the fresh air unit should not exceed 2.0m/s, and the number of rows should not exceed 6 rows; The layout of the loop should be in and out, countercurrent, the minimum operating cold capacity should cover the maximum windward area as far as possible, and the refrigeration loop should be arranged symmetrically as far as possible;
- 2. The evaporation temperature should be controlled between 4~7°C, the return gas superheat control between 5~10°C;
- 3. The evaporator refrigerant resistance is normally controlled at 0.3~0.6bar, the maximum is not allowed to exceed 1bar;
- 4. The water flux of the evaporator should comprehensively consider the circuit layout and oil return of the heat exchanger. Under normal circumstances, each loop of the single-head refrigeration system is 1HP, and the double-head or multi-head refrigeration system must ensure that the cooling capacity of each loop is not less than 1HP.



### 技术参数 Technical parameter:

项目	Φ9.52 系列	Φ12.7 系列	Φ15.88 系列	
铜管规格	光管（壁厚）	0.3/0.35/0.5/0.75	0.35、0.45、0.5/0.75	0.45、0.5/0.6/0.8/1.0
	内螺纹（壁厚）	Φ9.52x0.3x0.16	无	无
304#、316L 不锈钢焊管	光管（壁厚）	0.6、0.7、1.0	0.6、0.7、0.8、1.0/1.5	0.6、0.7、0.8、1.0、1.2/2.0
	内螺纹（壁厚）	Φ9.52x0.6x0.16	Φ12.7*0.6*0.16	Φ15.88*0.6*0.16
304#、316L 不锈钢无缝管	光管（壁厚）	无	1.0、1.2、1.5	1.0、1.2、1.5
	内螺纹（壁厚）	无	无	无
翅片孔距	21.65/22	31.75	38.1	
翅片排距	25/25.4	27.5	33	
铝翅片片距	1.8-3.1	1.8-4.0	1.8-5.2	
不锈钢翅片片距	2.0-3.0	2.0-3.2	2.2-4.0	
铝翅片厚度	0.105、0.115、0.13、0.145			
不锈钢翅片厚度	0.11、0.12	0.11、0.12	0.11、0.12	
铝翅片片型	平片开窗片、麻点波纹片、平片波纹片	麻点波纹片、平片波纹片	麻点波纹片、平片波纹片	
不锈钢翅片片型	平片波纹片	平片波纹片	平片波纹片	



不锈钢翅片 Stainless steel fin



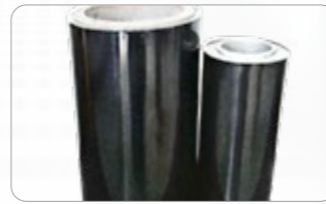
光铝箔  
Optical aluminum foil



深蓝色亲 Ultramarine  
水铝箔 Aqueous aluminum foil



金色亲 Golden pro  
水铝箔 Aqueous aluminum foil



黑色环氧 Black epoxy  
树脂亲 Resin affinity  
水铝箔 Aqueous aluminum foil

- 1、介质：水、乙二醇等无腐蚀溶液；
  - 2、功能：含湿量降温、升温，减焓除湿；
  - 3、基本组成：基管、翅片、端板、护板、汇管、放气阀；
  - 4、常用管径：Φ9.52、Φ12.7、Φ15.88(光身)。
1. Medium: water, ethylene glycol and other non-corrosive solution;
  2. Function: moisture content cooling, heating, enthalpy dehumidification;
  3. Basic composition: base tube, fin, end plate, protection plate, manifold, vent valve;
  4. Common pipe diameter: Φ9.52, Φ12.7, Φ15.88(naked).

### 型号表示 Type indication:

BLQ-4×30×1050×2.3×0.5×DN40

- 表冷器
- 排数
- 翅片长度
- 片距
- 水通率
- 汇管，接管

### 翅片换热器选型 Finned heat exchanger selection:

- 1、冷热水盘管的标准配置为铜管 / 不锈钢管穿铝翅片，采用二次翻边，机械拉胀工艺，边框采用优质镀锌钢板或可选配不锈钢板，汇管采用厚壁无缝钢管或选配厚壁紫铜管；
- 2、盘管迎面风速一般控制在2.5m/s以内，不需要设置挡水板；若用户有特别要求，可以在冷水盘管后选配铝合金或不锈钢挡水板；
- 3、每一组盘管均经过严格的电脑选型设计，可保证满足用户对冷热量及设计工况的要求。管程阻力小于50kPa，空气阻力也相对较低。所有盘管均经过严格试压检漏，试验压力为3.0MPa，最大工作压力可达2.5MPa；
- 4、在寒冷地区使用、有防冻需要的盘管，盘管设计为防冻结构，并设置防冻开关，可为智能控制系统提供防冻报警信号；
- 5、盘管翅片的可选配置有防腐亲水铝翅片、铜翅片、镀锡铜翅片；也可根据用户需要选配全不锈钢盘管、低温型冻水盘管及干式冷水盘管等特型盘管。

1. The standard configuration of hot and cold water coils is copper/stainless steel tubes with aluminum fins, using secondary flanging, mechanical expansion process, frame using high-quality galvanized steel plate or optional stainless steel plate, manifold using thick-wall seamless steel pipe or optional thick-wall copper pipe;
2. The wind speed of the coil is generally controlled within 2.5m/s, and there is no need to set a water baffle; If the user has special requirements, you can choose aluminum alloy or stainless steel baffle after the cold water coil;
3. Each group of coils are strictly computer selection design, can ensure to meet the user's requirements for cold heat and design conditions. The pipe resistance is less than 50kPa, and the air resistance is relatively low. All coils are strictly tested for leakage, the test pressure is 3.0MPa, and the maximum working pressure can reach 2.5MPa;
4. Used in cold areas, there are antifreeze coil, coil design for antifreeze structure, and set up antifreeze switch, can provide anti-freeze alarm signal for intelligent control system;
5. Optional configuration of coil fin is anti-corrosion hydrophilic aluminum fin, copper fin, tinned copper fin; Special coils such as stainless steel coils, low temperature frozen water coils and dry cold water coils can also be selected according to user needs.

### 冷热水盘管新风工况参数表 Cold and hot water coil fresh air condition parameter table:

额定工况：进风干球温度 35°C 进风湿球温度 28°C 进 / 出水温度 7/12°C 盘管之铜管规格 5/8  
Rated working condition: inlet dry bulb temperature 35°C Inlet wet bulb temperature 28°C Inlet/Outlet temperature 7/12°C  
Coil copper tube specification 5/8

额定风量 m <sup>3</sup> /h	4 排				6 排				8 排			
	TH kW	SH kW	水流量 l/s	水阻 kPa	TH kW	SH kW	水流量 l/s	水阻 kPa	TH kW	SH kW	水流量 l/s	水阻 kPa
2000	23.8	9.8	1.14	18.9	30.4	12.4	1.46	25.6	33.2	13.6	1.59	28.4
3000	35.6	14.6	1.71	18.9	45.6	18.7	2.18	25.6	49.7	20.3	2.38	28.4
4000	47.5	19.5	2.27	31.1	60.8	24.9	2.91	18.0	66.2	27.2	3.17	20.0
5000	59.4	24.3	2.84	20.6	76.0	31.2	3.64	27.9	82.7	33.9	3.96	31.0
6000	71.3	29.3	3.41	18.9	91.1	37.3	4.36	25.6	99.4	40.8	4.76	28.4
7000	83.1	34.1	3.98	20.1	106.3	43.6	5.09	27.2	115.9	47.5	5.55	30.2
8000	95.0	39.0	4.55	21.0	121.5	49.8	5.82	28.5	132.4	54.3	6.34	31.7
9000	106.9	43.8	5.12	21.9	136.7	56.1	6.55	29.6	149.0	61.1	7.13	14.0
10000	118.8	48.7	5.67	20.6	151.9	62.3	7.25	27.9	165.6	67.8	7.93	13.2
15000	178.2	73.1	8.51	35.6	227.9	93.5	10.88	38.3	248.5	101.7	11.90	21.6
20000	237.6	97.4	11.38	17.5	303.8	124.5	14.55	33.7	331.1	135.8	15.86	26.3
25000	297.0	121.8	14.22	17.5	379.8	155.7	18.19	33.7	413.8	169.7	19.82	26.3
30000	356.4	146.1	17.07	17.5	455.7	186.9	21.83	33.7	496.7	203.6	23.79	26.3
40000	475.2	194.8	22.76	23.7	607.6	249.1	29.10	45.6	662.2	271.5	31.71	35.6
50000	594.0	243.6	28.45	25.9	759.5	311.4	36.38	21.3	827.7	339.3	39.64	39.0
60000	712.8	292.2	34.14	32.5	911.4	373.7	43.65	26.7	993.2	407.3	47.57	20.8
80000	950.4	389.7	45.52	41.0	1215.2	498.3	58.20	33.7	1324.3	542.9	63.42	26.3
100000	1188.0	487.1	56.90	50.0	1519.1	622.8	72.75	41.1	1655.4	678.7	79.28	32.1
120000	1425.6	584.4	68.27	26.7	1822.9	747.4	87.30	21.9	1986.5	814.4	95.14	17.1
140000	1663.2	681.9	79.65	28.1	2123.7	871.9	101.85	23.1	2317.5	950.2	110.99	18.0
160000	1900.8	779.3	91.03	33.2	2430.5	996.5	116.40	27.3	2648.6	1085.9	126.85	21.3
200000	2376.0	974.1	113.79	33.6	3038.1	1245.6	145.50	27.6	3310.8	1357.5	158.56	21.5

注：表中 TH 为全热供冷量，SH 为显热供冷量。  
Note: TH in the table is the total heat supply and SH is the sensible heat supply.





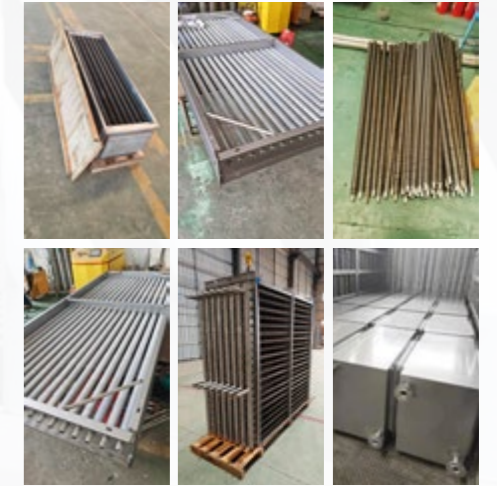
冷热水盘管回风工况参数表 Cold and hot water coil return air condition parameter table:

额定工况：进风干球温度 27°C 进风湿球温度 19.5°C 进 / 出水温度 7/12°C 盘管之铜管规格 5/8  
 Rated working condition: inlet dry bulb temperature 27 °C Inlet wet bulb temperature 19.5 °C Inlet/Outlet temperature 7/12 °C Coil copper tube specification 5/8

额定风量 m <sup>3</sup> /h	4 排				6 排				8 排			
	TH kW	SH kW	水流量 1/s	水阻 kPa	TH kW	SH kW	水流量 1/s	水阻 kPa	TH kW	SH kW	水流量 1/s	水阻 kPa
2000	11.6	8.2	0.56	7.8	14.8	9.6	0.71	10.6	16.2	10.4	0.77	11.8
3000	17.4	12.3	0.83	7.8	22.2	14.4	1.06	17.4	24.2	15.5	1.16	11.8
4000	23.2	16.4	1.11	12.9	29.6	19.3	1.42	27.0	32.3	20.7	1.55	19.4
5000	29.0	20.5	1.39	20.0	37.1	24.1	1.77	27.0	40.4	25.8	1.93	30.0
6000	34.8	24.6	1.67	18.3	44.5	28.9	2.13	24.8	48.5	31.0	2.32	27.6
7000	40.6	28.7	1.94	19.5	51.9	33.7	2.48	26.4	56.5	36.2	2.71	29.3
8000	46.4	32.8	2.22	20.4	59.3	38.6	2.84	29.2	64.6	41.3	3.09	30.7
9000	52.2	36.9	2.50	21.2	66.7	43.3	3.19	32.1	72.7	46.6	3.48	31.9
10000	58.0	41.0	2.77	20.0	74.0	48.6	3.54	36.7	80.8	51.7	3.86	16.6
15000	87.0	61.5	4.15	25.8	111.0	72.9	5.31	19.3	121.2	77.6	5.79	22.7
20000	115.9	82.0	5.55	16.9	148.2	96.3	7.10	22.9	161.5	103.4	7.73	25.5
25000	144.9	102.5	6.94	16.9	185.3	120.5	8.87	22.9	201.9	129.2	9.67	25.5
30000	173.9	123.0	8.33	16.9	222.3	144.5	10.65	22.9	242.3	155.0	11.60	25.5
40000	231.8	164.0	11.10	23.0	296.4	192.7	14.20	31.1	323.0	203.7	15.47	14.7
50000	289.8	205.0	13.88	25.2	370.5	240.8	17.74	20.7	403.8	258.4	19.34	16.1
60000	347.7	246.0	16.65	31.5	444.6	289.0	21.29	25.9	484.5	310.1	23.20	20.2
80000	463.6	328.0	22.20	16.9	592.8	385.3	28.39	32.7	646.0	413.4	30.94	25.5
100000	579.5	410.0	27.75	20.7	741.0	481.7	35.49	39.9	807.5	516.8	38.67	31.1
120000	695.4	492.0	33.30	25.9	889.2	578.0	42.59	35.0	969.0	620.2	46.41	38.9
140000	811.3	574.0	38.86	27.3	1037.4	674.3	49.68	36.9	1130.5	723.5	54.14	41.1
160000	927.2	656.0	44.41	32.2	1185.6	770.6	56.78	43.5	1292.0	826.9	61.88	20.6
200000	1159.0	820.0	55.51	32.6	1482.0	963.3	70.98	44.4	1615.0	1033.6	77.35	20.9

注：表中 TH 为全热供冷量，SH 为显热供冷量。  
 Note: TH in the table is the total heat supply and SH is the sensible heat supply.

## COIL TYPE, TIE TYPE HEAT EXCHANGER SERIES



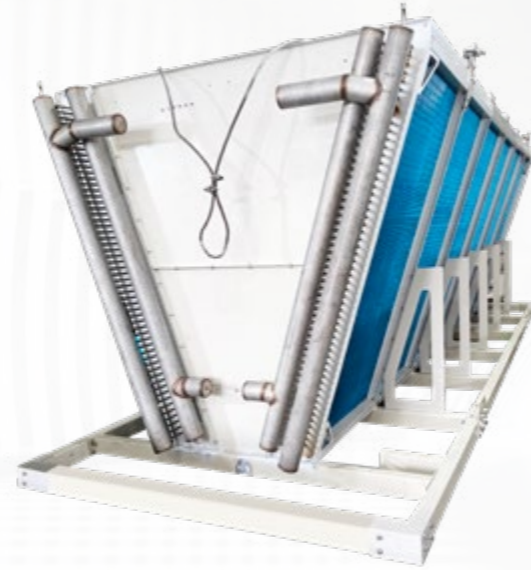
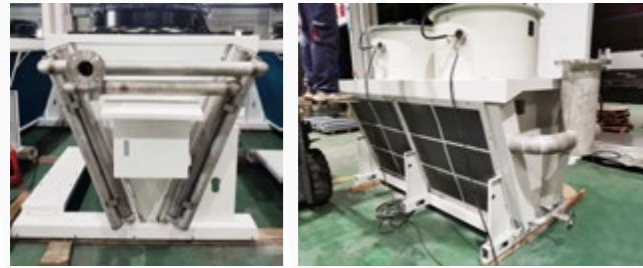
技术参数 Technical parameter:

项目	Φ18 系列	Φ22 系列	Φ25 系列	Φ32 系列
304#、316L 不锈钢焊管 光管 (壁厚)	1.0、1.2、1.5	1.0、1.2、1.5	1.0、1.2、1.5	1.5、2.0
碳钢、304#、316L 无缝管 工业管 (壁厚)	2.0、2.5、3.0	2.0、2.5、3.0	2.0、2.5、3.0	2.0、2.5、3.0、4.0
现有弯头孔距	40/42/45/50/55/60/70/75	50/55/60/65/70/75/80/85	55/60/65/70/80/90/100	75/
绕片片距	3.8	3.8	3.8	3.2
不锈钢翅片厚度 * 高度	0.3*12/0.3*10	0.3*12/0.3*10	0.3*12/0.3*10	0.3*12/0.3*10
扎铝片片距	2.5-3.2	2.5-3.2	2.5-3.2	
扎铝片外圆直径	Φ38、Φ42	Φ42、Φ45	Φ48、Φ50、Φ55	



# 干式冷却器

## DRY COOLER



### 技术参数 Technical parameter:

		V 系列干式冷却器 (翅片片距 2.3mm) V Series Dry cooler (fin spacing 2.3mm)		V-853	V-966	V-1291	V-1446	V-1716	V-1914	V-2159
换热器	20% 乙二醇	进乙二醇 95 度	△	853.40	965.96	1291.26	1445.98	1715.93	1914.29	2158.50
		出乙二醇 85 度	Y	561.98	611.14	852.43	914.62	1134.9	1208.55	1426.24
		进乙二醇 95 度	△	265.26	319.94	407.43	476.91	543.01	655.67	695.22
		出乙二醇 85 度	Y	178.68	209.61	276.50	312.03	370.05	429.17	473.02
	水	进水 95 度	△	859.99	972.26	1301.38	1455.41	1729.38	1922.60	2172.20
		出水 85 度	Y	565.77	614.31	858.32	1347.61	1142.66	1212.57	1434.09
		进水 65 度	△	274.89	331.07	422.55	493.46	562.88	669.80	715.21
		出水 55 度	Y	184.94	216.62	286.47	322.43	382.95	437.47	485.79
	SAE30 油	进油 85 度	△	651.60	746.95	987.99	1117.49	1313.83	1492.71	1660.52
		出油 75 度	Y	431.34	476.37	656.13	712.41	874.62	949.65	1103.93
		进油 65 度	△	375.10	442.84	573.37	661.13	763.76	886.87	964.73
		出油 55 度	Y	250.20	286.11	384.68	426.76	513.84	513.84	648.16
SEA10 油	进油 60 度	△	330.57	379.69	501.35	568.04	667.49	755.37	840.23	
	出油 55 度	Y	218.28	241.65	332.13	361.38	443.19	479.91	557.31	
	风量	△	71234	65922	106807	98832	142410	131467	178077	
		Y	45116	67639	67639	62219	90180	82933	112738	
风扇电机	△	phase	3	3	3	3	3	3	3	
										W
	Y	A	6400	6400	9600	9600	12800	12800	16000	
					19.20	19.20	28.80	28.80	38.40	38.40
Y	No.Xφ	10.80	10.80	16.20	16.20	21.60	21.60	27.00		
				2X2	2X2	2X3	2X3	2X4	2X4	2X5
风扇	△	DB(A)	64	64	66	66	67	67	68	
			Y	10mm	57	57	59	59	60	60
重量	△	kg	640	760	920	1002	1002	1308	1420	
			Y	mm	2XDN125	2XDN125	2XDN150	2XDN150	4XDN125	4XDN125
进口管径	△	mm	2XDN125	2XDN125	2XDN150	2XDN150	4XDN125	4XDN125	4XDN125	
			Y	mm	2XDN125	2XDN125	2XDN150	2XDN150	4XDN125	4XDN125
外形尺寸	△	L	mm	1970	1970	2820	2820	3670	3670	4520
		W	mm	2100	2100	2100	2100	2100	2100	2100
		H	mm	1960	1960	1960	1960	1960	1960	1960

- 相对湿度 40%;
- 大气压力 1bar;
- 20% 乙二醇, 水 SAE30 油应用于环境温度 45°C;
- SAE10 油应用于环境温度 40°C.

- Relative humidity 40%;
- Atmospheric pressure 1bar;
- 20% ethylene glycol, water SAE30 oil applied to ambient temperature 45°C ;
- SAE10 oil is applied at ambient temperature of 40°C .

# 空冷器

## AIR COOLER

稳定 STABILIZE ✓ 高效 EFFICIENT ✓ 安全 SECURE ✓



### 空冷器介绍 Air cooler introduction:

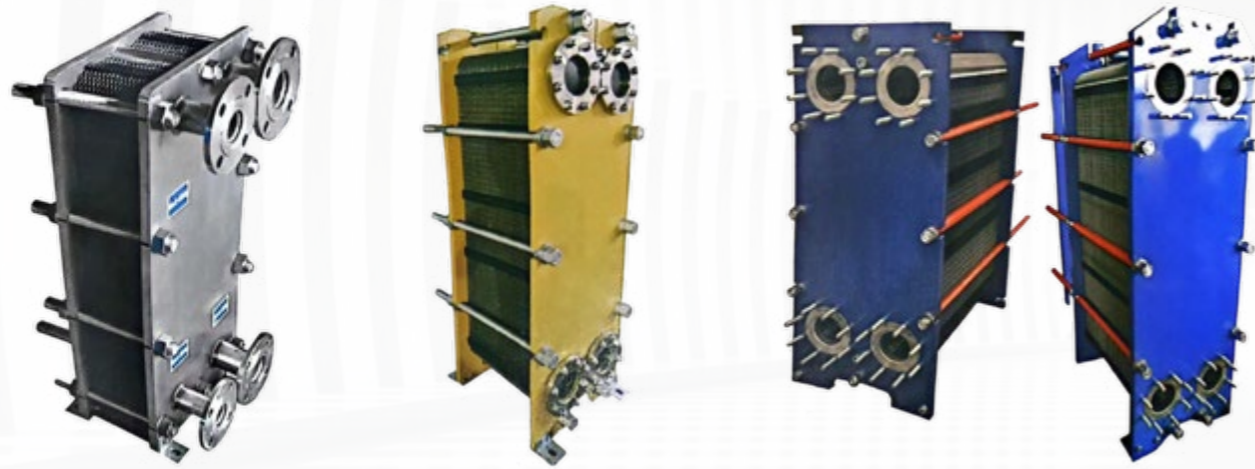
- 1、空气冷却器是以环境空气作为冷却介质,横掠翅片管外,使管内高温工艺流体得到冷却或冷凝的设备,简称“空冷器”,也称“空气冷却式换热器”;
- 2、空冷器也叫做翅片风机,常用它代替水冷式壳—管式换热器冷却介质;
- 3、随着感应加热设备使用的不断增多,因用户自身条件各不相同,有的对于设备的水冷系统不够重视,有的许多用户未按规定使用蒸馏水,而使用普通井水或自来水,在实际工作中水质对设备的水冷系统及元器件又影响很大;
- 4、主要用于石油、化工、冶金等空冷器配套使用,具有风量大、效率高、据动小、噪声低、使用维护方便等优点;
- 5、风机有高效节能型、低噪声型、防腐型等不同类型,风机风量调节方式可分为自调、半自调、手调三种;冷却方式可分为鼓风式和引风式。

1. The air cooler is the ambient air as the cooling medium, cross the finned tube outside, so that the high-temperature process fluid in the tube is cooled or condensed equipment, referred to as "air cooler", also known as "air cooled heat exchanger";
2. The air cooler is also called the fin fan, which is commonly used to replace the water-cooled shell-tube heat exchanger cooling medium;
3. With the increasing use of induction heating equipment, because the user's own conditions are different, some do not pay enough attention to the water cooling system of the equipment, and many users do not use distilled water according to the regulations, and use ordinary well water or tap water, in the actual work of water quality on the water cooling system and components of the equipment and have a great impact;
4. Mainly used in petroleum, chemical, metallurgy and other air coolers supporting the use, with large air volume, high efficiency, small data, low noise, easy to use and maintenance;
5. The fan has energy-saving, low noise, anti-corrosion and other different types, fan air volume regulation can be divided into self-regulation, semi-self-regulation, hand regulation three kinds; Cooling methods can be divided into blast type and induced air type.

### 技术参数 Technical parameter:

型号	换热量	运行质量	风机		设备尺寸	接管尺寸	
			功率 (kW)	风量 (m³/h)		进口管径	出口管径
RJF-25	25	146	1.5	14500	1000*1050*830	DN32	DN32
RJF-50	50	196	2.2	18000	1200*1050*830	DN40	DN40
RJF-75	75	285	3	25200	1400*1050*960	DN40	DN40
RJF-100	100	395	4.4	34500	2400*1050*960	DN50	DN50
RJF-125	125	483	6.6	43200	2800*1050*960	DN50	DN50
RJF-150	150	632	6.6	54000	3600*1050*960	DN65	DN65
KJF-175	175	708	8.8	61200	4000*1050*960	DN65	DN65
RJF-200	200	795	8.8	68400	4800*1050*960	DN65	DN65
RJF-250	250	979	11	86400	3600*2100*1250	DN80	DN80
RJF-300	300	1157	13.2	104400	3900*2100*1250	DN80	DN80
RJF-350	350	1362	13.2	122400	4300*2100*1250	DN80	DN80
RJF-400	400	1580	17.6	140400	4800*2100*1250	DN80	DN80
RJF-450	450	1687	17.6	158400	5400*2100*1250	DN100	DN100
RJF-500	500	1970	22	176400	3600*2100*1255	DN100	DN100
RJF-600	600	2380	23.6	208800	7000*2100*1250	DN100	DN100





### 产品优势 Product advantage:

- 1、传热系数高，板片波纹的设计，以高度的薄膜导热系数为目标，极低的流速下即可发生强烈的扰动流，一般的说、板式换热器的传热系数 K 值在 3000-6000W/n<sup>2</sup>.°C 范围内；
- 2、低成本在相同热量的前提下，金属耗量低、占地面积、流体阻力、冷却水用量等项目数值的减少，使得投资成本大大降低；
- 3、热损失小因结构紧凑和体积小，换热器的外表面积也很小，因而热损失也很小，通常设备不再需要保温；
- 4、结构紧凑，易维修，很小的空间可以组合较大的换热器面积，设备本身可以提供维修空间，不需另外的拆装空间；
- 5、有利于低温热源的利用，使用安全可靠，组合灵活多变。

- 1. Heat transfer is high, plate ripple design, with a high film thermal conductivity as the goal, very low flow rate can occur strong disturbance flow, generally speaking, the heat transfer coefficient of plate heat exchanger K value in 3000-6000W/n<sup>2</sup>.°C range;
- 2. Low cost Under the premise of the same heat transfer, low metal consumption, occupied area, fluid resistance, cooling water consumption and other project values are reduced, making the investment cost greatly reduced;
- 3. Small heat loss due to compact structure and small size, the outer area of the heat exchanger is also small, so the heat loss is also small, usually the equipment no longer needs insulation;
- 4. Compact structure, easy maintenance, a small space can be combined with a larger heat exchanger area, the equipment itself can provide maintenance space, do not need additional disassembly space;
- 5. Is conducive to the use of low temperature heat source, the use of safe and reliable, the combination of words is changeable.

### 产品介绍 Product introduction:

板式换热器是由一系列具有一定波纹形状的金属片叠装而成的一种新型高效换热器。各种板片之间形成薄矩形通道，通过半片进行热能量交换。板式换热器是液-液、液-汽进行热交换的理想设备。它具有换热效率高、热损失小、结构紧凑轻巧、占地面积小、安装清洗方便、应用广泛、使用寿命长等特点。在相同压力损失情况下，其传热系数比管式换热器高 3-5 倍，占地面积为管式换热器的三分之一，热回收率可高达 90% 以上。

Plate heat exchanger is a new type of high efficiency heat exchanger which is composed of a series of metal sheets with a certain corrugated shape. A thin rectangular channel is formed between various plates, through which the heat energy is exchanged. Plate heat exchanger is an ideal equipment for heat exchange of liquid-liquid and liquid-gas. It has the characteristics of high heat exchange efficiency, small heat loss, compact and lightweight structure, small footprint, convenient installation and cleaning, wide application, long service life and so on. In the case of the same pressure loss, its heat transfer coefficient is 3-5 times higher than the tube heat exchanger, the floor area is one-third of the tube heat exchanger, and the heat recovery rate can be as high as 90%.

### 产品结构 Product structure:

- |          |                          |          |                            |
|----------|--------------------------|----------|----------------------------|
| 1、固定压紧板； | 1. Fixed clamping plate; | 6、后端板；   | 6. Rear end plate;         |
| 2、夹紧螺栓；  | 2. Clamp the bolt;       | 7、活动压紧板； | 7. Movable clamping plate; |
| 3、前端板；   | 3. Front end plate;      | 8、下导杠；   | 8. Lower guide bar;        |
| 4、换热板片；  | 4. Heat exchange plate;  | 9、后支柱；   | 9. Rear pillar;            |
| 5、密封垫片；  | 5. Sealing gasket;       | 10、上导杠。  | 10. Upper guide bar.       |

### 压力单位换算表 Pressure unit conversion table:

帕 Pa 牛顿 / 米 <sup>2</sup> N/m <sup>2</sup>	千克力 / 厘米 <sup>2</sup> kgf/cm <sup>2</sup>	磅力 / 英寸 <sup>2</sup> lbf/in <sup>2</sup>	巴 bar	毫米汞柱 mmHg, 0°C	毫米水柱 mmH <sub>2</sub> O, 4°C	标准大气压 atm
1	0.102x10	0.145x10	10	7.5x10 <sup>-5</sup>	0.102	0.987x10 <sup>-5</sup>
98.067x10	1	14.223	0.981	735.56	10000	0.968
6894.8	0.0703	1	0.069	51.716	703.7	0.0693
10	1.0197	14.504	1	750.1	1.02x10 <sup>4</sup>	0.987
133.322	1.36x10 <sup>-3</sup>	0.0193	1.333x10 <sup>-3</sup>	1	13.6	1.32x10 <sup>-3</sup>
9.807	10*	1.422x10*	9.81x10 <sup>-5</sup>	73.556x10 <sup>-3</sup>	1	9.68x10 <sup>-5</sup>
1.013x10 <sup>5</sup>	1.033	14.696	1.013	760	10333	1

### 流量单位换算表 Flow unit conversion table:

立方米 / 小时 m <sup>3</sup> /h	美制加仑 / 分 GPM	立方英尺 / 分 CFM	升 / 秒 L/s
1	4.4	0.589	0.278
0.227	1	0.134	0.063
1.699	7.48	1	0.472
3.6	15.85	2.12	1

### 功能和热量单位换算表 Function and heat unit conversion table:

焦 J	千克力·米 kgf.m	千瓦·时 kw.h	马力·小时 HP.h	英制 HP.h	千卡 kcal	英热单位 BTU	磅力·英尺 lbf.ft
1	0.102	2.778x10 <sup>-7</sup>	3.777x10 <sup>-7</sup>	3.723x10 <sup>-7</sup>	2.389x10 <sup>-4</sup>	9.48x10 <sup>-4</sup>	0.738
9.807	1	2.724x10 <sup>-6</sup>	3.704x10 <sup>-6</sup>	3.653x10 <sup>-6</sup>	2.342x10 <sup>-3</sup>	9.295x10 <sup>-3</sup>	7.233
3.6x10 <sup>6</sup>	3.671x10 <sup>5</sup>	1	1.36	1.341	859.9	3412	2.655x10 <sup>6</sup>
2.648x10 <sup>6</sup>	2.700x10 <sup>5</sup>	0.736	1	0.9858	632.4	2510	1.953x10 <sup>6</sup>
2.685x10 <sup>6</sup>	2.737x10 <sup>5</sup>	0.7457	1.014	1	641.6	2546.4	1.98x10 <sup>6</sup>
4186.8	426.935	1.163x10 <sup>-3</sup>	1.581x10 <sup>-3</sup>	1.558x10 <sup>-3</sup>	1	3.968	3088
1055.06	107.6	2.93x10 <sup>-4</sup>	3.984x10 <sup>-4</sup>	3.93x10 <sup>-4</sup>	0.252	1	778.2
1.356	0.138	3.766x10 <sup>-7</sup>	5.12x10 <sup>-7</sup>	5.05x10 <sup>-7</sup>	3.24x10 <sup>-4</sup>	1.285x10 <sup>-3</sup>	1

### 功率单位换算表 Power unit conversion table:

瓦 W	公制马力 PS	英制马力 HP	千克力·米 / 秒 kg.m/s	英尺·磅力 / 秒 ft.lbf/s	千卡 / 秒 kcal/s	英热单位 / 秒 BTU/s
1	0.00136	0.00134	0.102	0.7375	2.389x10 <sup>-4</sup>	9.478x10 <sup>-4</sup>
735.5	1	0.985	75	542.4	0.175	0.697
745.7	1.014	1	76.04	550	0.1781	0.707
9.807	0.0133	0.01315	1	7.232	2.34x10 <sup>-3</sup>	9.3x10 <sup>-3</sup>
1.356	0.00184	0.00182	0.138	1	3.24x10 <sup>-4</sup>	1.29x10 <sup>-3</sup>
4187	5.7	5.61	427	3088	1	3.968
1055	1.435	1.415	107.6	778.1	0.252	1



# 管径 - 蒸汽温度 - 法兰对接管

## PIPE DIAMETER - STEAM TEMPERATURE - FLANGE COUPLING

### 管径与蒸汽 / 水流量表 Pipe diameter and steam/water flow meter:

管径	(水流速) 封闭系统				蒸汽流速 m/s			
	底值	高值	底值	高值	底值	高值	底值	高值
	m/s	m/s	m <sup>3</sup> /h	m <sup>3</sup> /h	m/s	m/s	m <sup>3</sup> /h	m <sup>3</sup> /h
15mm	0.4	0.5	0.3	0.3	20	40	12.7	25.4
20mm	0.5	0.6	0.6	0.7	20	40	22.6	45.2
25mm	0.6	0.7	1.1	1.2	20	40	35.3	70.7
30mm	0.7	0.9	2	2.6	20	40	57.9	115.8
40mm	0.8	1	3.6	4.5	20	40	90.5	181
50mm	0.9	1.2	6.4	8.5	20	40	141.1	282.7
65mm	1.1	1.4	13.1	16.7	20	40	238.9	477.8
80mm	1.2	1.6	21.7	29	20	40	361.9	723.8
100mm	1.3	1.8	36.8	50.9	20	40	565.5	1131

### 饱和蒸汽温度表 Saturated steam thermometer:

0.05MPa (0.5 公斤)	110.8°C	0.7MPa (7 公斤)	169.6°C
0.1MPa (1 公斤)	119.6°C	0.8MPa (8 公斤)	175.4°C
0.2MPa (2 公斤)	132.9°C	1.0MPa (10 公斤)	183.2°C
0.3MPa (3 公斤)	142.9°C	1.2MPa (12 公斤)	190.7°C
0.4MPa (4 公斤)	151.1°C	1.4MPa (14 公斤)	197.4°C
0.5MPa (5 公斤)	158.1°C	1.6MPa (16 公斤)	201°C

### 国标法兰对角管参数表 Gb flange diagonal pipe parameter table:

法兰尺寸	英寸标注		外螺纹专用管	国标尺寸管
DN10	3 分	3/8	17	18
DN15	4 分	1/2	21.25	22
DN20	6 分	3/4	26.75	25
DN25	1 寸	1	33.5	32
DN32	1.2 寸	1-1/4	42.25	38
DN40	1.5 寸	1-1/2	48	45
DN50	2 寸	2	60	57
DN65	2.5 寸	2.5	75.5	76
DN80	3 寸		88.5	89
DN100	4 寸		114	108
DN125	5 寸		140	133
DN150	6 寸		168	159
DN200	8 寸		219	219
DN250	10 寸		273	273

# 产品展示

## PRODUCT DISPLAY

稳定 STABILIZE    高效 EFFICIENT    安全 SECURE





