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HEADQUARTER: GUANGDONG QUANGUAN INTELLIGENT TECHNOLOGY CO.,LTD



No. 70, Lonyan 14th road, Humen, Dongguan City, Guangdong Province

BRANCH OFFICE: SUZHOU QUANGUAN INTELLIGENT EQUIPMENT CO.,LTD



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Intelligent equipment



Company Profile

Guangdong Quanguan Intelligent Technology Co., Ltd. was founded in 2005, formerly known as Dongguan Quanguan Machine Tool Accessories Co., LTD., headquartered in the world factory- No.70, Longyan 14 Road, Humen Town, Dongguan City, with a registered capital of 100 million yuan. With more than 10 years of persistence and development, it has successively established Dongguan Quanguan Machinery Technology Co., Ltd., Dongguan Pinguan Precision Technology Co., Ltd. and many other subsidiaries. In April 2021, Suzhou Quanguan Intelligent Equipment Co., Ltd. was established in Suzhou Wangting Intelligent Manufacturing Industrial Park.

The company is committed to the research and development, production and sales of intelligent equipment, mainly including oil cooler, water cooler, heat exchanger, electric cabinet air conditioning, chip conveyor, central water outlet filter device, oil-water separator, centralized chip conveyor system and other products. Domestic sales of products has maintained a leading position in the industry, and exported to Germany, Brazil, Malaysia and other Europe and America and Southeast Asian countries, quality and service are well praised by domestic and foreign customers.

The company covers an area of about 40000 square meters, with a total investment of more than 100 million yuan, with advanced laser cutting equipment, CNC bending machine, CNC lathe, CNC machining center, high-speed punch, milling compound, manipulator automatic welding and other advanced equipment, annual production and sales of more than 40000 sets, total output value of more than 200 million yuan, profit and tax more than 8 million yuan.

The company has more than 300 employees, the number of technical research and development personnel and senior technicians accounts for 40%, innovation research and development ranks in the forefront of the industry, the products have won nearly 100 national intellectual property rights and patents.

The company's management mechanism is perfect, and it has passed the CE certification of ISO9001:2015 Quality Management System, ISO14001:2015 Environmental Management System certification, and the certification of EU market access. It has been identified as "National High-tech Enterprise" and won the honorary title of "Guangdong Contract and Credit Enterprise" for many years.

The company has developed rapidly and has broad prospects. Offices have been set up in Chongqing, Shenyang, Changsha, Ningbo, Kunshan, Quanzhou, Tengzhou, Foshan and other places, and will then successively set up branches or offices in Tianjin, Zhengzhou and other cities. The Jiangsu branch plant has been in production, and the Hunan branch plant is under preparation.

The company takes "the pursuit of excellence, to create global industry intelligent service experts" as the enterprise vision, "leading the trend of industry, to create a global famous brand" as the enterprise mission, "sincerity, excellence, innovation driven, win-win cooperation" for enterprise values, with excellent products and perfect service to meet the needs of the market and customers.

Quang intelligent equipment, enhance the taste of intelligent manufacturing in China.



Company Patent (part)



System Certification (part) and EIA approval



Production Equipment (part)



laser cutting machine



CNC bending machine



Mechanical hand welding



CNC lathe



high velocity ram machine



machining center

排屑机

Chip removal machine



切屑种类选用排屑器的方法

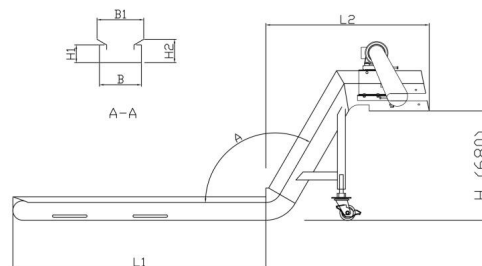
切屑种类 Chip Types	卷铁屑 Iron Rolling Chips	金属铁屑 Metal Iron Chips	非卷屑 No Rolling Chips	铸铁屑 Cast-iron Scraps	铝铁屑 Aluminum and Iron Chips	铝屑 Aluminum Scraps	铜屑 Copper Scraps	非铁金属 Non-ferrous metal	水箱过滤 Filtration
排屑器型式 Chip Conveyor Type									
链板式排屑器 Chain Plate Chip Conveyor 	☒	☒	☐	☒	☒	☐	☐	☒	☐
刮板式排屑器 Scraper Chip Conveyor 	☐	☐	☒	☒	☒	☒	☒	☒	☐
刮板式反冲液综合 排屑冷却过滤装置 Cooling and Filtering Device Scraper Ract (刮屑长度100mm以下) 	☐	☐	☒	☒	☒	☒	☒	☐	☒
复合式排屑器 Compound Chip Scraper 	☒	☒	☒	☒	☒	☒	☒	☒	☒
磁性排屑器 Magnetic Chip Scraper  不含铝屑	☐	☒	☒	☐	☐	☐	☐	☐	☐
螺旋式排屑器 Spiral Type Chip Scraper 	☐	☒	☒	☒	☒	☒	☒	☒	☐
铁屑集中排屑系统 Iron concentrate discharge system 	☒	☒	☒	☒	☒	☒	☒	☒	☐

Chain plate type chip conveyor machine

【Product characteristics and uses】

- ◆ 1. Small volume and high efficiency. It is the most suitable model for CNC, NC and industrial machinery.
- ◆ 2. The variety of chain plate widths provides excellent matching flexibility and efficient applications.
- ◆ 3. Integrated chain plate combination, high strength, accurate coordination, stable and quiet action.
- ◆ 4. Tight convex point design can effectively prevent chip attachment and increase the chip removal ability.
- ◆ 5. Torque limit setting, effectively reduce the damage caused by improper operation.

Excellent automation tool for chip conveyor



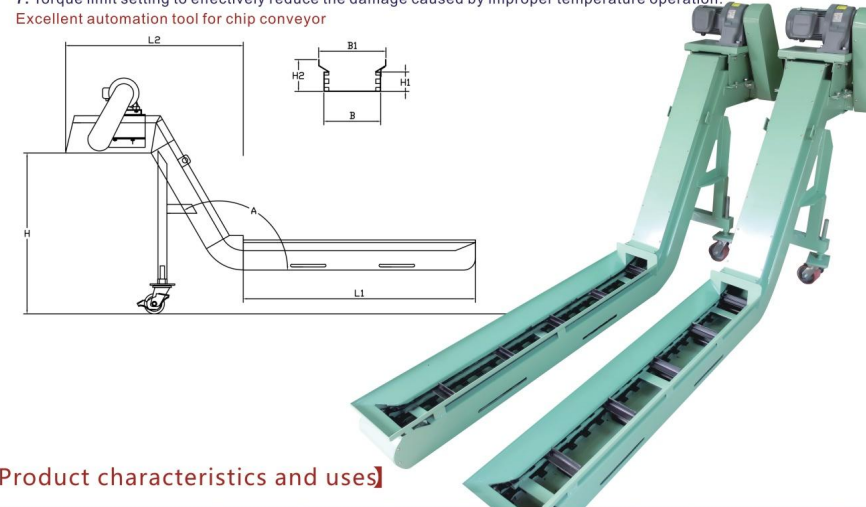
【Main technical parameters】

标准规格 Specification		选用配备 Options	
Reduce Speed Motor	1/4Hp(0.2Kw)1/165 220/380V	CE Specification Device	Simple CE device of exit
Pitch of chain	R2050 P=31.75mm		Full cover CE device of exit
Hinged belt width	175, 150-600 175, 150-600 (there is one kind of specification every 50mm)	Manual Control Device	Standard emergent stop
			CE spec standard emergent stop
Chips holder	One pieces for every six pitch	Various far terminal control boxes	
Conveyor speed	1.2-1.4M/min(50/60HZ)	Various remote controller cable lines	
Safety device	HTL-350-2	Torque limit device	
Angle of conveyor	60°	Prevent chips roll up device	

Scraper chip conveyor machine

【Product characteristics and uses】

- ◆ 1. The scraper chip conveyor machine can deal with the powder, particles and the length of iron chips shorter than 100mm appeared during the processing of metal material. It can separate the small chip from the oil or chip fluid. The coarse chips will be removed by the chain magnetic machine, and the powder will be removed by the magnetic clutch. There is a magnetic frame inside the tank to ensure the purity of the chip fluid.
- ◆ 2. If the coolant is oil, coupled with oil cooler, can ensure the oil temperature during processing, but also to ensure the processing accuracy of processing parts.
- ◆ 3. This machine tool is more suitable for deep hole drilling, tooth rolling machine and other high-precision equipment.
- ◆ 4. Small volume, high efficiency. It's the most suitable model for removing chips of cooper, aluminum and cast iron.
- ◆ 5. The width of scraper is diverse. Flexible and applicable.
- ◆ 6. Combination of solid scrapers. High intensity, accurate coordination, stable and quiet action.
- ◆ 7. Torque limit setting to effectively reduce the damage caused by improper temperature operation.



【Product characteristics and uses】

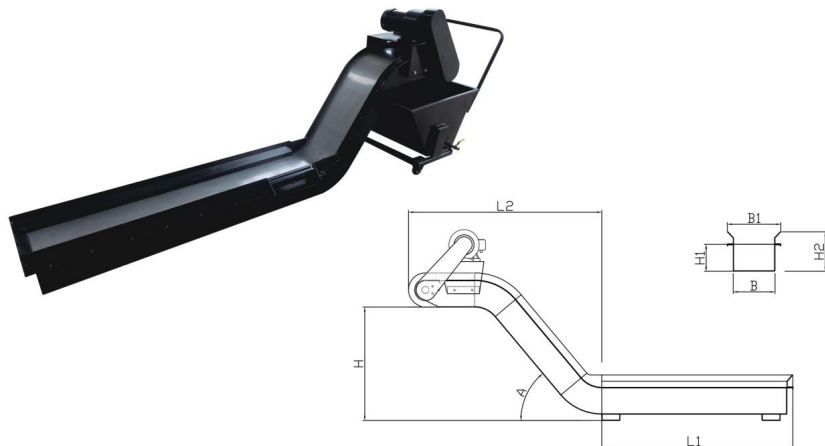
project type	B (mm)	B1 (mm)	H (mm)	H1 (mm)	H2	L1	L2	A	Weight of debris Removed kg/min	Reated power of motor kW
QGGB-200	200	>200		>110			>900		20	0.20-0.37
QGGB-250	250	>250		>110			>900		30	0.20-0.55
QGGB-300	300	>350		>110			>900	45°	40	0.20-1.50
QGGB-350	350	>350	By user	>110	By user		>900	60°	50	0.20-1.50
QGGB-400	400	>400		>180			>900		60	0.20-1.50
QGGB-450	450	>450		>180			>900		80	0.20-1.50

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Magnetic composite chip conveyor machine

【Product characteristics and uses】

- ◆ 1.This chip removal equipment is a machine tool auxiliary equipment using the strong magnetic field generated by the permanent magnet material to absorb the powder, particles and the length of iron chips shorter than 100mm, or to absorb the chip from the oil and emulsion, then transported to the designated dust removal site or collecting box.
- ◆ 2.It can be widely used in CNC machine tool, combined machine tool, machining center, gear machining machine tools, drilling, milling, boring, hinge, pull and other mechanical processing equipment and automatic assembly line of iron dust transmission.
- ◆ 3.This chip conveyor can be used for dry processing or wet processing of iron chips. Quantitative chips removal. No overload. Sealed by turning parts. Reliable work. Stable running. Low noise. Long service life. It can be placed according to the main engine.
- ◆ 4. Can work alone, or link with the main machine, which is the ideal supporting equipment in the modern machining industry.



【Main technical parameters】

project type	B (mm)	B1 (mm)	H (mm)	H1 (mm)	H2 (mm)	L1 (m)	A	Weight of debris Removed kg/min	Rated power of motor kW
QG CX-175	175	>175		150	H1+30			10	0.2-0.55
QG CX-215	215	>215		150			0°	15	0.2-0.10
QG CX-275	275	>275		150			30°	20	0.2-1.10
QG CX-320	320	>320	By user	150		By user	45°	25	0.37-1.50
QG CX-400	400	>600		150			60°	30	0.37-1.50
QG CX-500	500	>700		150	willful		75°	40	0.37-1.50
QG CX-600	600	>800		150	ly			50	0.37-1.50

Spiral chip device 1



【Product characteristics and uses】

- ◆ 1.It is mainly used for the transportation of powder and particle chips of metal and non-metal materials.
- ◆ 2.Suitable for machine tools with small installation space and no other chip removal forms can be installed.
- ◆ 3.Reliable, easy to install, convenient installation, propulsion speed selection range is large.
- ◆ 4.This model is divided into: A type: with a mandrel, with a chip collector. Type B: without a mandrel, no collecting groove. It can also be combined with other forms of chip removal devices to form different forms of chip removal systems

【Main technical parameters】

型号	螺旋外径 D	排屑槽宽 B	螺距 P	R	L (mm)	电机功率 kW	排屑量 kg/h
QG70	70	80	80	40	0.60-3.00	0.09-0.20	70-100
QG80	80	90	80	45	0.60-5.00	0.09-0.20	90-130
QG100	100	120	100	60	0.80-6.00	0.09-0.20	120-180
QG150	150	180	120	90	1.00-10.00	0.20-0.37	150-220
QG200	200	230	150	115	1.00-10.00	0.20-0.37	180-250

注：可根据用户所需尺寸、要求设计与制造

Spiral chip device 2



【Product characteristics and uses】

- ◆ 1. It is mainly used to transport the powder, particle and non-coil debris of metal and non-metallic materials.
- ◆ 2. Can be used for all kinds of machine tools and suitable for narrow place. Easy to install, reliable and propulsion speed selection range is large.
- ◆ 3. This model is divided into: with a mandrel, without a mandrel, single support, double support, horizontal installation of no chip removal groove and other basic combination.
- ◆ 4. Cutting types: metal iron, non-roll, cast iron, aluminum, copper, non-iron metal.

The best choice of chip removal for small space

【Main technical parameters】

Model	Auger O.D (mm)	Auger (mm)	Consuming Power (w)
QG-100	Φ65/Φ80	60-100	100
QG-200	Φ90/Φ100	80-100	200
QG-400	Φ100	100-120	400
QG-750	Φ150	100-120	750

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High Pressure Coolant System (Central water outlet HPC)

【Product characteristics and uses】

- ◆ 1. Eliminate the trouble of wrapping chips in metal processing, to avoid iron chips wrapped on parts and knives, so that the production is much more smooth.
- ◆ 2. Improve the chip cutting speed and excavates more productivity in production.
- ◆ 3. Reduce the tool wear. Reduce the local temperature produced by high temperature during processing, extend the tool life C, reduce the tool replacement frequency, reduce the usage of cutting tools.
- ◆ 4. The stability of quality is improved. The qualified rate of parts processing is improved.
- ◆ 5. Improve the surface finish of the parts. Improve the quality of parts and the competitiveness of products.
- ◆ 6. Adopts automatic cleaning filter element function design, no disassembly type maintenance, convenient and fast.



QG-HPC 50MP-30LA



QG-HPC 30MP-20LB



QG-HPC 20MP-15LB

【Main technical parameters】

type	technical parameters						
	Filtering accuracy μm	Working pressure Mpa	Tank volume L	Maximum flow L/Min	Outlet Aperture in	Alarm device	Equipment size mm
QG-HPC 50MP-30LA	10-50	5.0	Select configuration	35	3/8"	Clogging alarm	700*700*1080
QG-HPC 30MP-20LB	10-50	3.0	None	22	3/8"	Clogging alarm	500*670*900
QG-HPC 20MP-15LB	10-50	2.0	None	17	3/8"	Clogging alarm	500*670*900

【Optional accessories】

- ◆ 1. Optional frequency conversion motor.
- ◆ 2. Optional overflow valve.
- ◆ 3. Optional water tank volume.
- ◆ 4. Ordinary high pressure optional, ultra high pressure system available 20L / MIN, 30L / MIN, 50L / MIN, 70L / MIN, 100L/MIN, 120L/MIN.
- ◆ 5. Optional (Italy, Japan, Taiwan) original imported high pressure pump and original motor.
- ◆ 6. High pressure cooling system: 30KG, 50KG, 70KG double filter system switch, can reduce the downtime during cleaning.
- ◆ 7. Optional pumping pump (from the main water tank to the end of central outlet).

Magnetic composite chip conveyor machine

【Product characteristics and uses】

- ◆ 1. The magnetic composite chip conveyor machine can deal with the powder, particles and the length of iron chips shorter than 100mm appeared during the processing of metal material. It can separate the small chip from the oil or chip fluid. The coarse chips will be removed by the chain magnetic machine, and the powder will be removed by the magnetic clutch. There is a magnetic frame inside the tank to ensure the purity of the chip fluid.
- ◆ 2. If the coolant is oil, coupled with the oil chiller, can ensure the oil temperature during processing, but also to ensure the processing accuracy of processing parts.
- ◆ 3. This machine tool is more suitable for deep hole drilling, tooth rolling machine and other high-precision equipment.



【Main technical parameters】

project type	B (mm)	B1 (mm)	H (mm)	H1 (mm)	H2 (mm)	L1 (m)	A	Weight of debris Removed kg/min	Rated power of motor kW	water tank capacity
QGCX-175	175	>175		150	H1+30			10	0.2-0.55	
QGCX-215	215	>215		150			0°	15	0.2-0.10	
QGCX-275	275	>275		150			30°	20	0.2-1.10	
QGCX-320	320	>320	By user	150		By user	45°	25	0.37-1.50	By user
QGCX-400	400	>600		150			60°	30	0.37-1.50	
QGCX-500	500	>700		150	willful		75°	40	0.37-1.50	
QGCX-600	600	>800		150	ly			50	0.37-1.50	

Note: The parameters of chip removal part of magnetic composite machine are consistent with the technical parameters of magnetic chip removal machine. The water tank can be customized according to the customer's needs.

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Scraper roller chip conveyor machine

【Product characteristics and uses】

- ◆ 1.The scraper roller chip conveyor machine can deal with the powder, particles and the length of iron chips shorter than 100mm appeared during the processing of metal material. It can separate the oil or the small chip from the chip fluid. Due to the internal roller filtration system, to ensure the purity of the filtered cutting liquid (cutting oil).In the filtration process, the filtration system has an automatic cleaning function, to ensure that the filtration system is not blocked, so as to ensure the filtration effect.
- ◆ 2.It can also be equipped with additional filter to make the filtration of cutting liquid (cutting oil) more effective.
- ◆ 3.The machine tool is more suitable for processing aluminum, copper and other high-precision equipment. Also suitable for the central water outlet and other high-precision products.



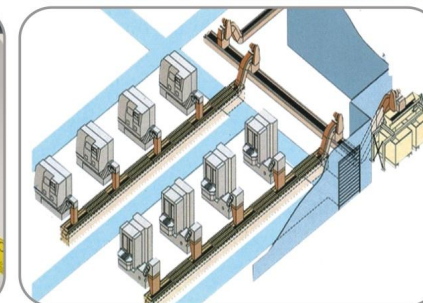
- ◆ 4.Its characteristics include that it can fulfill the roller cleaning itself automatically, filter continuously,reach high filtration accuracy, maintenance free and no consumables. It can fully meet the chip removal requirement,spindle cooling requirement and tool cooling requirement during the processing. Due to the strict requirements about chip removal capacity,filter accuracy of cooling fluid, pump flow and pressure of cooling pump,the related parameters should be provided when the order is placed. So we can design it accordingly.

Iron concentrate discharge system

【Product characteristics and uses】

- ◆ 1.The main function of the chip conveying device is to remove the chips in the working area of the machine tool in time, so as to ensure the normal operation of each machine tool or automatic line. Otherwise, it will affect the reliability, machining accuracy, automation degree and environmental cleanliness of the machine tool or automatic line. Therefore, the conveying device is crucial to improve the production efficiency in modern factories.
- ◆ 2.Cutting chips is produced when cutting the metal, so the transmission effect is related to the shape of the chips, the resulting conditions and many other factors. The centralized conveying lines produced by our company can be divided into scraper conveying devices for granular chips, chain plate conveyor for rolling chips, and fork rod conveyor for mass chips. Cutting chip centralized transport line is generally set up in a workshop with a main transport device and several branch transport device.
- ◆ 3.The chips generated by the machine tool are transported to the main conveying device by the main conveying device, which collects the chips to the chip treatment site. For underground installation, the main conveying device is arranged in the ditch of the main conveying channel, covered with steel plate for timely opening and maintenance.
- ◆ 4.The chips centralized conveying line is mainly used for the centralized conveying treatment of chips generated by the machine tool cluster and automatic line combination machine tools, which can be installed on the ground, underground or overhead. The specific form of cutting centralized conveying line can be designed according to the actual situation of the user.

【Practical case】



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Oil-water separator

Horizontal WYS-Y300-120

【Product characteristics and uses】

- ◆ 1. Horizontal oil and water separator series, small size, reliable performance, stable operation, low power consumption, low noise. It is suitable for low floating liquid level, small liquid level fluctuation range and narrow space.
- ◆ 2. This product is used for the oil and water separation of various machine tools, long service life, The effect is obvious when it adapts to the machine tools with heavy oil pollution of cutting liquid and heavy powders. Users can choose the model according to the specific size and oil floating.
- ◆ 3. Can extend the service cycle of the cooling liquid.
- ◆ 4. Reduce tool wear and reduce tool cost.
- ◆ 5. Improve the working environment and improve work efficiency.
- ◆ 6. After separation, the oil and water can be recycled to reduce environmental pollution and turn waste into treasure.



Vertical LYS-H230Y-180

【Product characteristics and uses】

- ◆ 1. Vertical oil-water separator series has a unique design, small power loss and high separation efficiency. The scope of application is wider. Suitable for the working environment with high floating liquid level and high liquid level fluctuation.
- ◆ 2. This product is used for the oil and water separation of various machine tools, long service life, The effect is obvious when it adapts to the machine tools with heavy oil pollution of cutting liquid and heavy powders. Users can choose the model according to the specific size and oil floating.
- ◆ 3. Can extend the service cycle of the cooling liquid.
- ◆ 4. Reduce tool wear and reduce tool cost.
- ◆ 5. Improve the working environment and improve the work efficiency.
- ◆ 6. After separation, the oil and water can be recycled to reduce environmental pollution and turn waste into treasure.



Chip chain plate

- ◆ 1. There are many kinds of chip chain plates, and the width can be made according to customer's requirements. The chip removal with pitch 31.75mm and the ultimate tensile load of a single row 22.20kN, it is mainly used for small mainframes and short-distance conveying.
The chip removal with pitch 38.10mm and the ultimate tensile load of a single row 31.80kN, it is mainly used for small and medium-sized short-distance transportation. The two models with pitch 50.80mm and the ultimate tensile load of a single row 56.70kN, and pitch 101.60mm and the ultimate tensile load of a single row 226.80kN, have a more solid and reliable structure and are suitable for distance delivery of large and medium-sized mainframes and long-distance production lines.
- ◆ 2. The pin shaft of chip removal chain plate (common type I) is in the center of the chain plate, and the hinge protrudes are the same up and down.
- ◆ 3. The pin shaft of the chip removal chain plate (upper flat type II) is convex downward and flat above the chain plate.
- ◆ 4. It can transport all kinds of long-rolled chips, lumps, blocks, copper, aluminum, stainless steel chips, and non-metallic materials such as rubber chips and nylon.
- ◆ 5. The structure is a new type of hinged multi-spherical chain plate. High strength, precise fit, smooth operation, no noise, all treated with wear and corrosion resistance.
- ◆ 6. The chip removal chain plate is made of stainless steel and cold-rolled steel plate, which can be selected according to customer's requirements.



Chain plate width: 180-1200mm (size can be customized).

Among them, 240mm and 280mm specifications are always available.

Screw rod

- 1. The screw rod products are made of special low-carbon steel, which is made by cold-rolling and hardening. Excellent performance.
- 2. This product can convey all kinds of long chips, lumps, block chips, copper chips, aluminum chips, stainless steel chips and non-metallic materials such as rubber and nylon. It used for CNC machine tools, combined machine tool production lines, machining centers.
- 3. It can be used for the transportation of chips such as specialized machine tools and the transportation of other non-chips. It can also be used as a conveying device for small parts and scraps of stamping, cold pier machine tools and other non-chip conveying.
- 4. To improve the operating environment, reduce labor intensity, and improve the automation level of the whole machine effect.



Square steel: 14/16/18/20/22 Outer diameter: 60/80/90/100 etc.

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Dust collecting vehicle

【Product overview】

The chip bucket is mainly used to collect various chips conveyed by various machine tool chip removal devices. The bottom of the chip collector is equipped with casters, which can easily send chips out of the work site for centralized cleaning. There are two types of chip collectors: dry type and wet type. The dry type bin can directly pour out the chips. The wet type is to add a filter plate and a drain valve on the basis of the dry type, which facilitates the separation of the coolant in the chips and the chips, and plays a role in recycling and environmental protection.

We can design the chip bucket with various volumes and functions according to different chip removal volume and the requirements of different users.



【Main technical parameters】

Label/model	QG-DC390-740/600	QG-DC500-540/680	QG-DC520-800/800	QG-DC730-800/880	QG-DC320-540/640
A(mm)	600	680	800	880	640
B(mm)	740	540	800	800	540
C(mm)	390	500	520	730	320

Industrial refrigeration equipment



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Cold oil machine

【Product Overview】

This series of precision oil coolers uses a full Chinese (English) intelligent computer controller and digital display. The operation is simple and intuitive. The digital display provides two temperature control methods: room temperature coherence and constant temperature, which can provide high constant temperature oil, high reliability. The design concept ensures the safe operation of the mother machine, and is a powerful helper for mechanical spindles and electric spindles.

【Application】

- ◆ 1. Suitable for the mechanical spindle and electric spindle cooling of CNC integrated machining center
- ◆ 2. Cooling of hydraulic stations of various high-precision lathes, broaching machines and hydraulic machinery
- ◆ 3. The hydraulic pressure of the gearbox is not the same, the oil cooling of the hydraulic station
- ◆ 4. Mirror EDM oil cooling
- ◆ 5. Stabilize oil temperature and improve machining accuracy of machine tools
- ◆ 6. Extend the service life of hydraulic system mechanical components

【Main technical parameters】

project	type	QG-012LY	QG-015LY	QG-025LY	QG-035LY	QG-052LY	QG-080LY	QG-120LY
Cooling capacity	BTU/HR	4000	5200	9000	12000	18000	24000	36000
	W/HR	1200	1500	2500	3500	5200	8400	12500
Power	W	435	535	885	1190	2600	3500	4500
Electric current	A	2.5	3.0	4.1	5.6	13	16	20
Voltage / Frequency	V/Hz	3 ϕ 220V/50Hz		3 ϕ 380V/50Hz				
Pump power	W	190	190	370	370/750	750	750	750/1500
Pump flow	L/min	3.7	4.2/7	6/10L	10L/20L	20	40	40/60
Temperature control accuracy	°C	± 0.5						
Dia. of inlet and outlet	inch	$\frac{1}{2}'' \times \frac{1}{2}''$	$\frac{1}{2}'' \times \frac{1}{2}''$	$\frac{1}{2}'' \times \frac{1}{2}''$	$\frac{3}{4}'' \times \frac{3}{4}''$	$\frac{3}{4}'' \times \frac{3}{4}''$	1" $\times$ 1"	1" $\times$ 1"
Use conditions	Room (°C)	0-50						
	Oil (°C)	10-45						
	Types of oil	VG5#-VG15# Cooling oil			VG5#-VG15#冷却油		VG68# Anti-wear hydraulic oil	
Dimension	MM	365×450×625	350×450×750	440×510×835	465×575×1000	620×590×1043	705×605×1050	1300×560×1110
Refrigerant	Type	R22						
	Control Model	Capillary tube throttling						



【Product features】

- ◆ 1. Using a new generation of microcomputer controller with full Chinese / English display. Provide RS485 communication interface, directly display the working status on the machine tool display screen, so as to realize real-time monitoring. Improves the safety of the machine control system O
- ◆ 2. The digital display provides two temperature control modes: room temperature coherence and constant temperature, which can be easily changed according to user requirements and easy to operate.
- ◆ 3. Temperature control can be arbitrarily selected according to the actual needs of users, and the temperature accuracy is within 0.5°C.
- ◆ 4. Configure a variety of protection functions, with automatic fault diagnosis function, directly display the fault point on the screen, reminding the user to deal with it quickly.
- ◆ 5. Using Hitachi, Panasonic, Samsung and other well-known brand compressors to ensure strong and fast cooling, high efficiency and energy saving.
- ◆ 6. It has the function of self-starting after power-on, which is convenient for users to use.
- ◆ 7. Have remote operation control function.
- ◆ 8. High-quality appearance, the whole surface is sprayed, the structure is reasonable, and it is convenient for daily maintenance.



【Model Description】

QG-010 LY- P B A-3385

1 2 3 4 5 6 7

- ◆ 1. QG : Company code.
- ◆ 2. Refrigeration capacity code: (X100W)
010: Indicates that the refrigerating capacity is 10X100W=1000W
- ◆ 3. Product serial number
LY: Oil cooler series
- ◆ 4. Technical number: Change when the product structure is greatly changed
P: Digital display
Z: Chinese display
- ◆ 5. Special requirement code
B: Indicates no special requirements
- ◆ 6. Structure:
A: With pump and box (closed system or spindle cooling)
C: With pump without box (Hydraulic station or open system circulating cooling)
D: Double pump with box (gearbox and closed or spindle cooling)
E: Without pump and box (hydraulic station cooling, the hydraulic station need an oil pump to continuously supply oil to the refrigerator)
F: Double pump without box type (hydraulic station cooling and gearbox cooling)
- ◆ 7. Power code
The first digit indicates the number of phases of the power supply,
3: indicates three-phase power
The second and third digits indicate the first two digits of the voltage,
38: indicates that the voltage is 380V
The fourth digit indicates the power frequency, 5: indicates 50Hz



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Laser water cooler

【Product Overview】

This series of precision water cooler uses full intelligent LCD an digital display controller, simple and intuitive operation, providing high constant liquid temperature, high reliability design concept to ensure the safe operation of machine tools, it is a powerful helper for mechanical spindle and electric spindle.

【Application】

- ◆ 1. Suitable for various laser fan cladding, welding, cutting and other carbon dioxide lasers
- ◆ 2. Suitable for all kinds of laser marking, 3D printing and other lamp pumped lasers
- ◆ 3. Suitable for various laser cladding, welding, cutting and other semiconductor pump lasers
- ◆ 4. Suitable for all kinds of laser cladding, welding, cutting and other fiber lasers

【Main technical parameters】

project	type	QG-800SF	QG-1000SF	QG-1500SF	QG-2000SF	QG-3000SF	QG-4000SF
Cooling capacity	KW	3	4.2	5.13	6.75	8.5	9.6
	kcal/h	2580	3612	4386	5590	7310	8456
Power	V, Hz	1 φ 220-50				3 φ 380-50	
Rated power	KW	1.68	2.5	3.3	3.52	7.37	8.1
Rated current	A	8.4	11.5	15	16	11.2	12.3
Low temperature water flow	L/min	70			83	116	
Low temperature water lift	M	45	53				
Normal temperature water flow	L/min	15		18			
Normal temperature water lift	M	28					
Low temperature water interface	G	1/2" ×2			3/4" ×2		1" ×2
Normal temperature water interface	G	1/2" ×2			3/4" ×2		1" ×2
Circulating water		Use deionized water or drinking water					
Water temperature range	℃	Fixed temperature20-40, Room temperature homology±9, Temperature control accuracy± 0.5					
Environment temperature	℃	5-45					
Refrigerant		R22	R22	R22	R22	R22	R22
Noise	d (BA)	≤62	≤62	≤62	≤68	≤68	≤72
Protection level	IP	IP44					
Control mode		Capillary tube throttling					



【Product features】

- ◆ 1. Adopt high-quality stainless steel cold water circulating pump, with large flow, high lift, low noise and long life. Using stainless steel water tank, stainless steel valve parts, PVC pipe fittings and other accessories, never rust.
- ◆ 2. Using a new generation of microcomputer controller, full Chinese/English display and digital display. Provide RS485 communication interface, directly display the working status on the machine display screen to achieve real-time monitoring. The safety of the machine control system is improved.
- ◆ 3. The temperature control can be arbitrarily selected according to the actual needs of users, providing two kinds of temperature control modes: constant temperature mode and room temperature homogeneous mode, and the temperature accuracy is within ±0.5℃.
- ◆ 4. Configure a variety of protection functions, with automatic fault diagnosis function, directly display the fault point on the screen, prompting the user to deal with it quickly.
- ◆ 5. Using Hitachi, Panasonic and other well-known brand compressors to ensure strong and fast cooling, high efficiency and energy saving.
- ◆ 6. It has the function of self-starting after power-on, which is convenient for users to use.
- ◆ 7. Have remote operation control function.
- ◆ 8. Dual temperature water cooler not only provides stable and accurate water temperature control for the laser, but also provides a water temperature similar to the ambient temperature for lens cooling, which solves the problem of damage caused by condensation when the lens is cooled by low temperature water. The best choice for cooling the whole machine.



【Model Description】

QG-1000 S F 1 -1225
1 2 3 4 5 6

- ◆ 1. QG :Company code.
- ◆ 2. 1000:Fiber power (laser power)
- ◆ 3. S: Dual temperature dual control system
D: single temperature system
T: high precision temperature control
- ◆ 4. F: with electric heating function (not marked without electric heating)
- ◆ 5. 1 :Design serial number
2 :Ordinary refrigerant
3 :Environmental refrigerant
- ◆ 6. 1225 :Power supply code
The first digit indicates the number of power supply phases
The second and third digits indicate the first two digits of the power supply voltage
The fourth digit indicates the power supply frequency
1225 : AC 1P 220V/50Hz



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Laser water cooler

【Product Overview】

This series of precision water cooler uses full intelligent LCD and digital display controller, simple and intuitive operation, providing high constant water temperature, high reliability design concept to ensure the safe operation of working laser, it is a powerful helper for UV and Ultrafast Lasers.

【Application】

- ◆ Suitable for 3W to 5W UV Lasers
- ◆ Suitable for 10W to 75W Picosecond Ultrafast Lasers
- ◆ Suitable for all kinds of laser cladding, welding, cutting and other semiconductor Pumped Lasers



【Main technical parameters】

project type		QGC-600SH3	QGC-800SH3	QGC-1400SH3	QGD-500SH3	QGD-1700SH3	QGD-3000SH3
Cooling capacity	W	600	800	1400	500	1700	3000
	kcal/h	2580	3612	4386	5590	7310	8456
Power	V, Hz	1 φ 220-50				1 φ 220-50	
Rated power	KW	1.68	2.5	3.3	3.52	7.37	8.1
Rated current	A	0-4	0-4	0-5	0-4	0-6	0-10
Low temperature water flow	L/min	20	20	20	20	35	
Low temperature water lift	M	10	24	24	10	30	
Electric heating power	W	500		500			
Low temperature water interface	G	1/2" × 2			1/2" × 2		1/2" × 2
Circulating water		Use deionized water or drinking water					
Water temperature range	℃	Temperature control accuracy± 0.1-0.2					
Environment temperature	℃	5-45					
Refrigerant		R134	R134	R134	R134	R134	R22
Noise	d (BA)	≤62	≤62	≤62	≤68	≤68	≤72
Protection level	IP	IP44					
Control mode		Capillary tube throttling					

【Model Description】

QG A - 1000 S F H 1 - 1225
1 2 3 4 5 6 7 8

- ◆ 1. QG :Company code.
- ◆ 2. Product category
 - A. Fiber laser cutting water cooler
 - B. Laser welding water cooler
 - C. UV laser water cooler
 - D. Horizontal laser water cooler
 - F. Laser water cooler
- ◆ 3. 1000: A Fiber power (laser power)
BCDF series (600 cooling capacity)
- ◆ 4. S: Dual temperature dual control system
D: single temperature system
T: high precision temperature control
- ◆ 5. F: with electric heating function (not marked without electric heating)
- ◆ 6. H: Pump Model
H: 10-12 Meters DC pump
I: 24 Meters DC pump
N: Stainless Steel Multistage Centrifugal Pump
- ◆ 7. 1 :Design serial number
2 :Ordinary refrigerant
3 :Environmental refrigerant
- ◆ 8. 1225 :Power supply code
The first digit indicates the number of power phases
The second and third digits indicate the first two digits of the power supply voltage
The fourth digit indicates the power supply frequency
1225 : AC 1P 220V/50Hz



Constant temperature cold water machine

【Product Overview】

This series of precision water coolers use fully intelligent LCD, a full Chinese (English) computer controller and digital display controller. The operation is simple and intuitive. It can provide high constant liquid temperature, high reliability design concept to ensure the safe operation of machine tools, it is a powerful helper for mechanical spindle and electric spindle.

【Application】

- ◆ 1. Suitable for CNC high speed electric spindle, cutting machine, engraving machine, engraving and milling machine, laser cutting machine, marking machine, welding machine, mold cooling, optical equipment, printing machine, injection molding, etc.
- ◆ 2. Make the processing fluid temperature stable and speed up the processing speed
- ◆ 3. The color is more stable and beautiful in the color printing process of the printing machine.



【Main technical parameters】

project	type	QG-012LS	QG-015LS	QG-025LS	QG-035LS	QG-052LS	QG-080LS	QG-120LS
Cooling capacity	BTU/HR	4000	5200	9000	12000	18000	24000	36000
	W/HR	1200	1500	2500	3500	5200	8400	12500
Power	W	435	535	885	1190	2600	3500	4500
Electric current	A	2.5	3.0	4.1	5.6	13	16	20
Voltage / Frequency	V/Hz	3 φ 220V/50Hz			3 φ 380V/50Hz			
Pump power	W	250	250	370	370	750	750	750/1500
Maximum lift	M	28	34	43	43	50	50	50
Maximum flow	L/min	18	24	40	65	65	116	116
Temperature control accuracy	°C	±0.5						
Dia. Of inlet and outlet	inch	1/2" × 1/2"	1/2" × 1/2"	1/2" × 1/2"	3/4" × 3/4"	3/4" × 3/4"	1" × 1"	1" × 1"
	Room (°C)	0-50						
Use conditions	Water (°C)	10-45						
	Types of water	Pure water or long life tank coolant			Pure water or long life tank coolant			
	MM	350 × 450 × 750	350 × 450 × 750	440 × 510 × 835	465 × 575 × 1000	620 × 590 × 1043	705 × 605 × 1050	1300 × 560 × 1110
Refrigerant	Type	R22						
	Control Model	Capillary tube throttling						

【Product features】

- ◆ 1. Using a new generation of microcomputer controller with full Chinese / English display. Provide RS485 communication interface, directly display the working status on the machine tool display screen, so as to realize real-time monitoring. Improves the safety of the machine control system.
- ◆ 2. The temperature control can be arbitrarily selected according to the actual needs of users, and two temperature control modes are provided, constant temperature mode and room temperature coherence model. The two temperature control modes of digital display can be arbitrarily switched, and the temperature accuracy is within ±0.5°C.
- ◆ 3. Configure a variety of protection functions, with automatic fault diagnosis function, directly display the fault point on the screen, prompting the user to deal with it quickly.
- ◆ 4. Using Hitachi, Panasonic and other well-known brand compressors to ensure strong and fast cooling, high efficiency and energy saving.
- ◆ 5. It has the function of self-starting after power-on, which is convenient for users to use.
- ◆ 6. Have remote operation control function.
- ◆ 7. Completely rust-free water circulation system, never worry about rust.
- ◆ 8. High-quality appearance, the whole surface is sprayed, the structure



【Model Description】

QG-010 LS- PA-3385

1 2 3 4 5 6

- ◆ 1. QG : Company code.
- ◆ 2. Refrigeration capacity code: (X100W)
010: Indicates that the refrigerating capacity is 10X100W=1000W
- ◆ 3. Product serial number
LS : water cooler series
- ◆ 4. Technical number: Change when the product structure is greatly changed
P: for the general serial number
- ◆ 5. Structure:
A: With pump and box (closed system or spindle cooling)
C: With pump without box (Hydraulic station or open system circulating cooling)
D: Double pump with box (gearbox and closed or spindle cooling)
E: Without pump and box (hydraulic station cooling, the hydraulic station need an water pump to continuously supply water to the refrigerator)
F: Double pump without box type (hydraulic station cooling and gearbox cooling)
- ◆ 6. Power code
The first digit indicates the number of power phases, 3: indicates three-phase electricity.
The second and third digits indicate the first two digits of the voltage, 38: indicates that the voltage is 380V
The fourth digit indicates the power frequency, 5: indicates 50Hz

The company is constantly researching and improving the product, so the dimensions and functional characteristics shown in this catalogue will be subject to the physical objects, and the right of final interpretation of this catalogue belongs to the company.



Frequency conversion water cooler

【Product Overview】

This series of water coolers use all-intelligent LCD with all Chinese (English) computer controller, simple and intuitive operation, providing high-precision liquid temperature control system, energy saving and environmental protection. Protect the work of machine tools.

【Application】

- ◆ 1. Suitable for precision machining machines such as Nano internal and external cylindrical grinders, ultra-precision coordinate grinders, ultra-precision horizontal/vertical machining centers, etc.
- ◆ 2. Suitable for non-ferrous metal processing
- ◆ 3. Suitable for processing industries with high requirement of water temperature control progress
- ◆ 4. Suitable for high speed electric spindle of finishing

【Main technical parameters】

project	type	QG - 010BP	QG - 025BP	QG - 035BP
Cooling capacity	KW	1	2.5	3.5
	Kcal/h	860	2150	3000
Power	V, Hz	380. 3/50		
Rated power	KW	0.88	2	3.5
Rated current	A	2.5	3.5	4
Pump flow	L/min	5	18	25
Pump lift	M	15	25	25
Interface size	Internal thread	1/2"×1/2"	1/2"×1/2"	3/4"×3/4"
Water temperature range	°C	Fixed temperature 20~40, Room temperature homology ±9, Temperature control accuracy ±0.5		
Environment temperature	°C	5~45		
Refrigerant		R134a	R410a	R410a
Noise	d(BA)	≤ 58	≤ 62	≤ 62
Protection level	IP	ip44		
Dimensions	MM	445*362*628	550*505*860	550*505*860
Volume of water tank	L	15	25	25
Weight	kg	55	80	85



【Product features】

- ◆ 1. Using a new generation of microcomputer controller with full Chinese / English display. Provide RS485 communication interface, directly display the working status on the machine tool display screen, so as to realize real-time monitoring. Improves the safety of the machine control system.
- ◆ 2. The temperature control can be arbitrarily selected according to the actual needs of users, and two temperature control modes are provided, constant temperature mode and room temperature coherence model. The temperature accuracy is within ±0.5°C.
- ◆ 3. Configure a variety of protection functions, with automatic fault diagnosis function, directly display the fault point on the screen, prompting the user to deal with it quickly.
- ◆ 4. Using Hitachi, Panasonic and other well-known brand compressors to ensure strong and fast cooling, high efficiency and energy saving.
- ◆ 5. It has the function of self-starting after power-on, which is convenient for users to use.
- ◆ 6. Have remote operation control function.
- ◆ 7. Energy saving and environmental protection, using the new environmentally refrigerant R410a, does not destroy the ozone layer, the working pressure is 1.6 times that of the ordinary R22 refrigerant, the refrigeration efficiency is high, and the power consumption can be reduced by 10-20% compared with ordinary chillers.
- ◆ 8. High-quality appearance, the whole surface is sprayed, the structure is reasonable, and it is convenient for daily maintenance.



【Model Description】

QG-010 BP- PBA -3385

1 2 3 4 5 6 7

- ◆ 1. QG : Company code.
- ◆ 2. Refrigeration capacity code: (X100W)
010: Indicates that the refrigerating capacity is 10X100W=1000W
- ◆ 3. Product serial number
BP: Frequency conversion water cooler series
- ◆ 4. Technical number: Change when the product structure is greatly changed
P: for the general serial number
- ◆ 5. Structure:
A: With pump and box (closed system or spindle cooling)
C: With pump without box (Hydraulic station or open system circulating cooling)
D: Double pump with box (gearbox and closed or spindle cooling)
E: Without pump and box (hydraulic station cooling, the hydraulic station need an water pump to continuously supply water to the refrigerator)
F: Double pump without box type (hydraulic station cooling and gearbox cooling)
- ◆ 6. Special request code
A: Indicates no special requirements
- ◆ 7. Power code
The first digit indicates the number of power phases,
3: indicates three-phase electricity.
The second and third digits indicate the first two digits of the voltage,
38: indicates that the voltage is 380V
The fourth digit indicates the power frequency, 5: indicates 50Hz



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Immersion oil, water cooler

【Product Overview】

This series of water coolers use all-intelligent liquid crystal display with all Chinese (English) computer controller, simple and intuitive operation, providing high constant liquid temperature, high reliability design concept to ensure the safe operation of machine tools, It is a powerful helper for mechanical technicians .

【Application】

- ◆ 1. CNC gear hobbing machine, gear pulling machine, gear shaping machine, gear grinding machine, gear derivation machine
- ◆ 2. CNC grinding machine, internal and external cylindrical grinder, crankshaft grinder, deep hole processing machine tool, thread grinder, etc.
- ◆ 3. CNC Integrated Machining Center
- ◆ 4. CNC lathe, milling machine, broaching machine
- ◆ 5. Electric discharge machine, electric machining fluid, machine tool hydraulic station



【Main technical parameters】

project	type	QG - 025JR	QG - 035JR	QG - 050JR	QG - 080JR	QG - 120JR
Cooling capacity	KW	2.5	3.5	5.0	8.0	12.0
	BTU/h	9000	12000	18000	24000	36000
Power	V, Hz	220/3 380, 3/50				
Rated power	KW	1.1	1.5	2.1	2.6	4.6
Rated current	A	3.1	4.9	5	9	13
Water temperature range	°C	Fixed temperature 20-40, Room temperature homology ± 9 , Temperature control accuracy ± 0.5				
Environment temperature	°C	5-45				
Refrigerant		R22	R22	R22	R22	R22
Noise	d (BA)	≤ 62	≤ 62	≤ 62	≤ 62	≤ 62
Protection level	IP	IP44				
Dimensions	MM	440 × 510 × 835	465 × 575 × 1000	620 × 590 × 1043	705 × 605 × 1050	1300 × 560 × 1110
Control Model		Capillary tube throttling				

【Product features】

- ◆ 1. Using a new generation of microcomputer controller with full Chinese / English display. Provide RS485 communication interface, directly display the working status on the machine tool display screen, so as to realize real-time monitoring. Improves the safety of the machine control system.
- ◆ 2. The temperature control can be arbitrarily selected according to the actual needs of users, and two temperature control modes are provided, constant temperature mode and room temperature coherence model. The temperature accuracy is within $\pm 0.5^{\circ}\text{C}$
- ◆ 3. Configure a variety of protection functions, with automatic fault diagnosis function, directly display the fault point on the screen, prompting the user to deal with it quickly.
- ◆ 4. Using Hitachi, Panasonic and other well-known brand compressors to ensure strong and fast cooling, high efficiency and energy saving.
- ◆ 5. It has the function of self-starting after power-on, which is convenient for users to use.
- ◆ 6. Have remote operation control function.
- ◆ 7. Directly installed on the liquid tank, it is not affected by impurities, sludge and metal dust in the cutting fluid, which is convenient for the maintenance of the refrigerator.
- ◆ 8. The evaporation coils are all made of stainless steel, suitable for a variety of liquids, corrosion-resistant, easy to clean, efficient and energy-saving.
- ◆ 9. High-quality appearance, the whole surface is sprayed, the structure is reasonable, and it is convenient for daily maintenance.



【Model Description】

QG-025 JR- P B -3385
1 2 3 4 5 6

- ◆ 1. QG : Company code.
- ◆ 2. Refrigeration capacity code: (X100W)
010: Indicates that the refrigerating capacity is 10X100W=1000W
- ◆ 3. Product serial number
JR: Immersion water cooler (commonly used for cutting fluid cooling)
- ◆ 4. Technical number: Change when the product structure is greatly changed
P: The evaporator is of a stainless steel coil type
- ◆ 5. Structure:
B: With stirring motor
- ◆ 6. Power code
The first digit indicates the number of power phases,
3: indicates three-phase electricity.
The second and third digits indicate the first two digits of the voltage,
38: indicates that the voltage is 380V



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Electric cabinet air conditioning

【Product Overview】

This series of control box regulators are mainly used to control the temperature and humidity in the box, effectively to ensure the air quality in the electric control box, to ensure the safe and reliable operation of the electrical system. This machine is specially designed with two completely independent air circulation systems to prevent the damage of electrical components caused by the intrusion of dust, moisture, dust, unclean and harmful and harmful corrosive gases, to make up for the lack of constant temperature control, and to effectively extend the service life of electrical components.

【Application】

- It is suitable for various control boxes, power distribution cabinets and other electrical devices that have higher requirements on temperature and humidity in the machinery, electric power, chemical, instrumentation and textile industries. It can also be used for temperature and humidity adjustment in small spaces.



【Product features】

- 1. The key components adopt international famous brand components, with good performance and high reliability.
- 2. It adopts special structure design, which has the characteristics of large air volume, small enthalpy difference, less condensed water and strong cooling capacity.
- 3. It has protection functions such as compressor overload protection and compressor delay running to improve the service life of the product.
- 4. Microcomputer electronic constant temperature control, the machine can set the constant temperature according to the needs of the user, the preset maximum temperature is 31°C, the minimum temperature is 16°C, the control accuracy is $\pm 1^\circ\text{C}$, and the machine also has a dehumidification function.
- 5. This regulator can control the temperature and humidity of the electric control box in real time to reach the set temperature. It can still be used in the harsh environment of high temperature and high humidity.



【Main technical parameters】

project	type	QG-JK-030	QG-JK-050	QG-JK-080	QG-JK-100	QG-JK-150	QG-JK-250	QG-JK-350
Cooling capacity	W	300	500	800	1000	1500	2500	3500
Power	V/Hz	220/50						
Rated power	W	288	420	550	670	900	1100	1300
Rated current	A	1.5	2.1	2.5	3	4	5	6
Refrigerant		R134a					R22	R22
Temperature control	$^\circ\text{C}$	20-40						
Environment temperature	$^\circ\text{C}$	≤ 45						
Refrigerant		R134a	R410a	R410a	R410a	R410a		
Noise	d (BA)	≤ 58	≤ 62	≤ 62	≤ 62	≤ 62	≤ 62	≤ 62
Protection level	IP	IP44						
Dimension	MM	320×565×170	345×580×170	365×610×164	365×610×164	400×905×205	405×1105×280	

【Model Description】

QG-JK-030-AW-1225
1 2 3 4 5 6

- 1.QG : Company code.
- 2.J K: Electric Cabinet Air Conditioner
3. Cooling capacity code: (X10W)
030 : Indicates that the cooling capacity is 030x10W=300W
4. Technical number
A: Standard H: High temperature
5. Structure
W : External hanging type
R : Internal hanging type
X : Embedded
D : Top type
6. Power code
The first digit indicates the number of power phases,
1: indicates single-phase power.
The second and third digits indicate the first two digits of the voltage,
22: indicates that the voltage is 220V, the fourth digit indicates the power frequency,
5: indicates 50Hz



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Air conditioning

Model Description

【Application】

- ◆ CNC system electrical control cabinet
- ◆ Communication, Communication equipment
- ◆ Stored Program Control exchange
- ◆ Various measuring instruments

QG-SK 030 A W
1 2 3 4 5

1. QG : Company code.
2. 03 : cooling capacity = 03 x100=300W
3. SK: Water air conditioner
4. A: Standard
5. W : External hanging type



【Product features】

- ◆ 1. Completely independent closed air circulation inside and outside to prevent dust, oil mist and moisture from entering the electrical box.
- ◆ 2. By adjusting the inlet water temperature, the temperature and humidity in the electrical box can be effectively controlled to prevent the failure of electrical components.
- ◆ 3. Ultra-thin design, compact structure, small size, easy installation and maintenance.
- ◆ 4. Special parts are treated with special materials or special methods, with excellent corrosion resistance and excellent sealing performance.
- ◆ 5. Reliable performance. Smooth operation. Low noise. High energy efficiency.
- ◆ 6. Using high-voltage electrostatic spray treatment, anti-static appearance is beautiful.
- ◆ 7. No refrigeration, no pollution to the environment.
- ◆ 8. Low power consumption, very energy saving.
- ◆ 9. Product installation methods include wall-mounted, top-mounted and box-bottomed. There are various specifications for each installation method.

【Main technical parameters】

project	type	QG-SK-03	QG-SK-05
Heat exchange	KW	0.3	0.8
Air volume	m/h	160	300
Water flow	L/min	≥2	≥3
Inlet water flow	°C	1-35	
Environment temperature	°C	1-55	
Maximum water supply pressure	bar	1-10	
Power	V, HZ	200, 1-50/60 Shared	
Rated power	KW	0.05	0.058
Rated current	A	0.14	0.26
Protection level		Ip55	
Interface size	Inlet and outlet of water	G1/2"	G3/8"
Noise	dB (A)	≤49	≤54
Dimensions W*D*H	Wall mounting type	mm	500*260*90
Weight	KG	10	6.64

The heat exchange is measured under the working conditions of the inlet water temperature of 15 ° C and the inlet water temperature of 35 ° C.

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Heat exchanger series

【Application】

- ◆ Suitable for CNC system electrical control cabinet.
- ◆ Suitable for CNC machine tool power supply cabinet.
- ◆ Suitable for communication, communication equipment and Stored Program Control exchange.
- ◆ Suitable for all kinds of measuring instruments.

【Product features】

- ◆ 1. Completely independent circulation of internal and external air, effectively preventing dust, oil mist, moisture and corrosive gas in the factory ambient air from entering the electrical control box and reducing electrical failures.
- ◆ 2. Heat exchange adopts the most popular forced convection heat conduction heat exchange technology, which shortens the heat transfer path and increases the cross section of the air duct. The heat exchange efficiency is 20-30% higher than that of the conventional heat pipe heat exchanger. Harsh environments have better adaptability.
- ◆ 3. The working temperature is higher than the air dew point temperature, no dew condensation, and has good environmental adaptability.
- ◆ 4. Ultra-thin shape design and surface electrostatic spray treatment, exquisite and beautiful, suitable for the application requirements of various types of machinery and electrical equipment in various industries.
- ◆ 5. There are two kinds of external hanging type and internal hanging

【Model Description】

QG-10 L F
1 2 3 4

1. QG: Company code.
2. 10: The maximum heat exchange capacity is 10W / °C
3. Structure:
L: Internal hanging type
W: External hanging type
4. F: Heat exchange series

【Main technical parameters】

project	type	QG-05LF	QG-10LF	QG-20LF	QG-30LF
Heat transfer capacity	W/°C	5	10	20	30
Maximum heat change	W	100	200	500	700
Power	V/HZ	1 φ 220-50/60			
Input power	W	38/36	40/38	80/76	136/132
Rated current	A	0.18/0.18	0.24/2.22	0.48/0.44	0.88/0.84
Dimensions	°C	480*250*70	580*250*70	780*265*70	690*365*110





QUANG

铸造受人尊重的企业