



Yong Shang Electric

Develop with quality, create brand name with sincerity.



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QUALITY CASTS BRILLIANCE
WIN THE FUTURE BY HONESTY

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Company Profile



**Meet the needs
of all fields in
all directions**

Xi'an Yongshang Electric Technology Co., Ltd. is a comprehensive enterprise integrating design, production, sales and service. We have various product qualification certificates such as China National Compulsory 3C Certificate, ISO9001, ISO14001, ISO45001 and so on. Our leading products include explosion-proof distribution boxes/cabinets, explosion-proof positive pressure cabinets, explosion-proof frequency conversion cabinets, explosion-proof air conditioners, explosion-proof analysis cabins, drilling rig electrical control rooms/driller rooms, stainless steel explosion-proof series, explosion-proof dehumidifiers, explosion-proof containers, explosion-proof lamps, explosion-proof operating columns, explosion-proof pipe fittings, explosion-proof buttons, explosion-proof fans, explosion-proof instruments, explosion-proof auto-coupling step-down starting cabinets, explosion-proof star-delta starting cabinets, well site explosion-proof circuits, derrick explosion-proof MCC master cabinets, and all factory explosion-proof electrical appliances, etc. The products are widely used in petroleum, petrochemical, electric power, medicine, textile, aerospace, military industry, railway, metallurgy, shipbuilding, fire protection, municipal administration, public security and other fields.

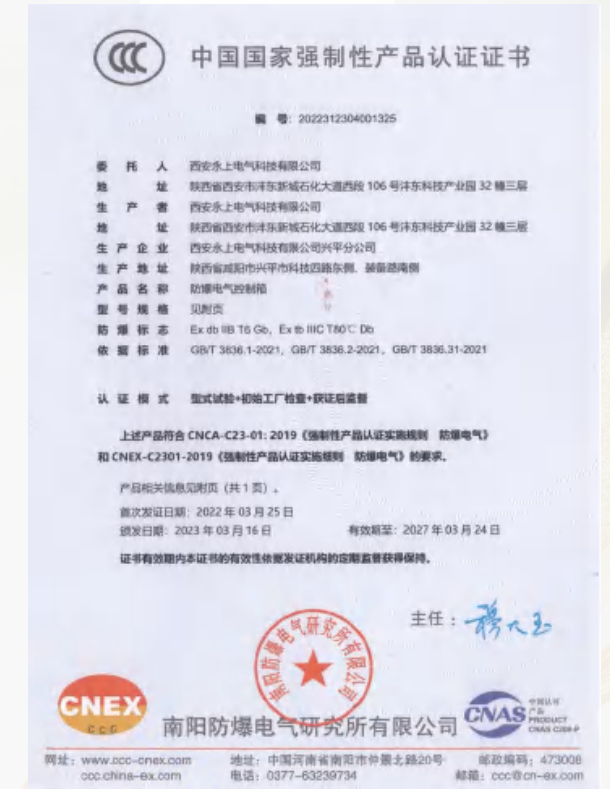
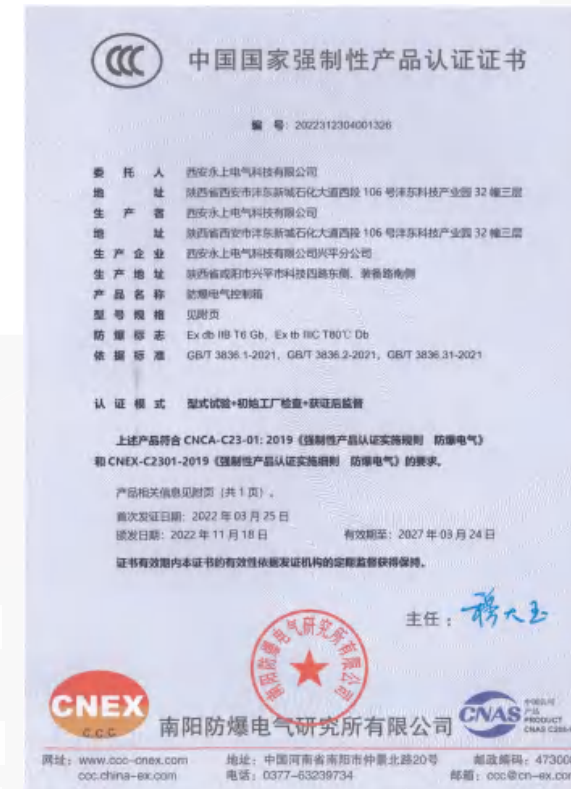
We have "quality first, customer first, high-quality service, and technology leading" purpose and "integrity, pragmatism, people-oriented, innovation" business philosophy, and strive to achieve the grand vision of "create a first-class enterprises, promote the design harmony". Better for the customer's safe production of all supporting and service work.



Company Qualification











3C Certification




Basic Explosion-proof Knowledge

Protection methods for electrical equipment in the international system

Explosion-proof type	Symbol	Graphical method	Explosion-proof theory	International Standard
General requirements	—	—	—	EC60079-0 EN60079-0 FM3600 UL2279
Flameproof	d		When the equipment is in normal operation, the parts that can produce sparks and electrical isolation are placed in the explosion-proof enclosure. Explosion-proof shell can withstand the pressure of the internal explosion without damage, and can ensure that the internal explosion of the flame and heat generated through the explosion-proof joint surface is extinguished and reduce the temperature, not enough to detonate the explosive gases outside the casing.	EC60079-0 EN60079-0 FM3600 UL2279
Increased safety	e		In normal operation will not produce electric arc, sparks or dangerous high temperature, in the structure of the further protection measures to improve the safety and reliability of the equipment.	EC60079-0 EN60079-0 FM3600 UL2279
Intrinsically safe	i		The internal circuitry of the equipment can not ignite explosive gases under the specified conditions, normal operation or the specified fault state generated by the electric spark and thermal effects.	EC60079-0 EN60079-0 FM3600 UL2279
Positive Pressure Enclosure	p		Keep the pressure of the internal protective gas higher than the surrounding atmospheric pressure to avoid explosive gases from entering the enclosure, or allow sufficient protective gas to pass through the enclosure to reduce the concentration of explosive gases inside to below the lower explosive limit.	IEC60079-0 EN60079-0 FM3600 UL2279
Oil-immersed	o		Immerse entire components of electrical equipment in a protective fluid so that the equipment is not capable of igniting explosive gases on the surface of the fluid or outside the enclosure.	EC60079-0 EN60079-C FM3600 UL2279
Sand-filled	q		Completely burying fixed conductive parts capable of igniting explosive gases in filler material to prevent ignition of the external explosive gas environment.	EC60079-0 EN60079-0 FM3600 UL2279
N-type	n		Electrical equipment is not capable of igniting surrounding explosive gases (under normal operating conditions and under defined abnormal operating conditions).	EC60079-0 EN60079-0 FM3600 UL2279
Pour Seal Type	m		The part that may ignite the explosive gas is cast in a compound so that it cannot ignite the surrounding explosive gas.	EC60079-0 EN60079-0 FM3600 UL2279

Dust explosion-proof electrical equipment protection methods















Explosion-proof type	Graphical method	Standard name	International Standard
Dust explosion-proof		Electrical equipment for use in combustible dust environments Part 1: General requirements	IEC61241-0 EN61241-0
		Electrical equipment for use in combustible dust atmospheres Part 5: Enclosure protection type "tD"	IEC61241-0 EN61241-0

Electrical equipment for combustible dust environments

Zone 20	Zone 21	Zone 22
Places where an explosive atmosphere in the air occurs continuously in the form of a cloud of combustible dust that exists for a long period of time or occurs frequently.	Places where an explosive atmosphere in the air in the state of a combustible dust cloud may occur, exists for a long time or occurs occasionally during normal operation.	In the normal course of operation, the explosive atmosphere in the air in the state of combustible dust cloud is unlikely to occur in the premises, and if it occurs only for a short period of time.

Enclosure protection class

IP

Characteristics of the 1st digit: Protection against solid foreign objects			Characteristics of the 2nd digit: Protection against liquids		
IP	Graphical method	Meaning	IP	Graphical method	Meaning
0		No protection	0		No protection
1		Protected against solid foreign objects with a diameter of not less than 50mm (e.g. contact other than hands)	1		Vertical dripping should have no harmful effects
2		Protected against solid foreign objects with a diameter of not less than 12.5mm (e.g. fingers)	2		When each vertical surface of the enclosure is inclined within the range of 15, vertical dripping shall have no harmful effect
3		Protected against solid foreign objects with a diameter of not less than 2.5mm (e.g. tools, wires)	3		No harmful effects of water dripping from each vertical surface within 60 range
4		Protected against solid foreign objects with a diameter of not less than 1mm (e.g., small tools, wires)	4		Splashing water in all directions of the enclosure without harmful effects
5		Dustproof (can not completely prevent dust from entering, but the amount of dust entering shall not affect the normal operation of the equipment, shall not affect the safety)	5		No harmful effects of spraying water in all directions of the enclosure
6		Dust tight (no dust entry)	6		No harmful effects of strong water spray in the direction of the shell
7			7		Immersed in the specified water, after a specified period of time, the amount of water in the enclosure does not reach a harmful level
8			8		The amount of water entering the enclosure does not reach a harmful level after a continuous dive under the conditions agreed upon by the manufacturer and the user (which shall be harsher than the characteristic number of 7)

Climb the peak of science and technology, pursuit of perfect service

Product Introduction

Explosion-proof electrical control box (IIC)



Scope of application and use

1. Applicable ambient temperature: -20°C - +40°C;
2. For explosive gas mixture hazardous places: Zone1, Zone2;
3. Applicable to combustible dust places: Zone 21, Zone 22;
4. Used in petroleum mining, storage, chemical, pharmaceutical, military, textile and other hazardous environments, in the circuit as a local or remote control of contactors, circuit breakers, electromagnetic appliances on the signal, control lines for on, off, switching control, and can be directly on the small AC motor starting, stopping, reversing the control, fitted with an ammeter, signal lamps, the controller can also be on the motor operation or the circuit conditions for monitoring and display;
5. The product programme is diversified and can be produced according to the electrical system diagram provided by user.

Product features

1. Aluminium alloy die-casting or high-quality steel plate (stainless steel) welded shell, high-temperature shot blasting treatment, the surface of high-pressure electrostatic spraying, corrosion-resistant, anti-aging;
2. Stainless steel exposed fasteners, high anti-corrosion performance;
3. Adopt single explosion-proof shell, equipped with explosion-proof indicator, button, universal transfer switch, ammeter, voltmeter, potentiometer, etc. can be equipped with other instruments according to user requirements, can also be used in explosion-proof double-cavity shell structure, explosion-proof cavity dedicated indicator buttons, conversion switches, gauges, potentiometers and other components, the wiring cavity is equipped with wiring terminals, in the absence of the opening of explosion-proof cavity can be achieved in the field to install, a great degree of saving It saves manpower and material resources to a great extent;
4. The shell and cover can be equipped with hinges according to the requirements, which is beautiful in appearance and convenient for maintenance;
5. The shell is equipped with a warning plate with the clear sign "Ex" and the words "It is forbidden to open the cover with electricity";
6. Diversified choices of inlet and outlet wiring (conventional inlet wiring, steel pipe wiring, aviation plug).

Wall-mounted explosion-proof electrical control box (IIB)



Scope of application and use

1. Applicable ambient temperature: -20°C - +40°C;
2. For explosive gas mixture hazardous places: Zone1, Zone2;
3. Applicable to combustible dust places: Zone 21, Zone 22;
4. Used in petroleum mining, storage, chemical, pharmaceutical, military, textile and other hazardous environments, in the circuit as a local or remote control of contactors, circuit breakers, electromagnetic appliances on the signal, control lines for on, off, switching control, and can be directly on the small AC motor starting, stopping, reversing the control, fitted with an ammeter, signal lamps, the controller can also be on the motor operation or the circuit conditions for monitoring and display;
5. The product programme is diversified and can be produced according to the electrical system diagram provided by user.

Product features

1. Aluminium alloy die-casting or high-quality steel plate (stainless steel) welded shell, high-temperature shot blasting treatment, the surface of high-pressure electrostatic spraying, corrosion-resistant, anti-aging;
2. Stainless steel exposed fasteners, high anti-corrosion performance;
3. Adopt single explosion-proof shell, equipped with explosion-proof indicator, button, universal transfer switch, ammeter, voltmeter, potentiometer, etc. can be equipped with other instruments according to user requirements, can also be used in explosion-proof double-cavity shell structure, explosion-proof cavity dedicated indicator buttons, conversion switches, gauges, potentiometers and other components, the wiring cavity is equipped with wiring terminals, in the absence of the opening of explosion-proof cavity can be achieved in the field to install, a great degree of saving It saves manpower and material resources to a great extent;
4. The shell and cover can be equipped with hinges according to the requirements, which is beautiful in appearance and convenient for maintenance;
5. The shell is equipped with a warning plate with the clear sign "Ex" and the words "It is forbidden to open the cover with electricity";
6. Diversified choices of inlet and outlet wiring (conventional inlet wiring, steel pipe wiring, aviation plug).

Vertical explosion-proof electrical control box (IIB)



Scope of application and use

1. Applicable ambient temperature: -20°C - +40°C;
2. For explosive gas mixture hazardous places: Zone1, Zone2;
3. Applicable to combustible dust places: Zone 21, Zone 22;
4. Used in petroleum mining, storage, chemical, pharmaceutical, military, textile and other hazardous environments, in the circuit as a local or remote control of contactors, circuit breakers, electromagnetic appliances on the signal, control lines for on, off, switching control, and can be directly on the small AC motor starting, stopping, reversing the control, fitted with an ammeter, signal lamps, the controller can also be on the motor operation or the circuit conditions for monitoring and display;
5. The product programme is diversified and can be produced according to the electrical system diagram provided by user.

Product features

1. Aluminium alloy die-casting or high-quality steel plate (stainless steel) welded shell, high-temperature shot blasting treatment, the surface of high-pressure electrostatic spraying, corrosion-resistant, anti-aging;
2. Stainless steel exposed fasteners, high anti-corrosion performance;
3. Adopt single explosion-proof shell, equipped with explosion-proof indicator, button, universal transfer switch, ammeter, voltmeter, potentiometer, etc. can be equipped with other instruments according to user requirements, can also be used in explosion-proof double-cavity shell structure, explosion-proof cavity dedicated indicator buttons, conversion switches, gauges, potentiometers and other components, the wiring cavity is equipped with wiring terminals, in the absence of the opening of explosion-proof cavity can be achieved in the field to install, a great degree of saving It saves manpower and material resources to a great extent;
4. The shell and cover can be equipped with hinges according to the requirements, which is beautiful in appearance and convenient for maintenance;
5. The shell is equipped with a warning plate with the clear sign "Ex" and the words "It is forbidden to open the cover with electricity";
6. Diversified choices of inlet and outlet wiring (conventional inlet wiring, steel pipe wiring, aviation plug).

Positive pressure type explosion-proof electrical control cabinet



Scope of application and use

1. Applicable ambient temperature: -20°C - +40°C;
2. For explosive gas mixture hazardous places: Zone1, Zone2;
3. Applicable to combustible dust places: Zone 21, Zone 22;
4. Suitable for petroleum extraction, refining, chemical industry, medicine, light industry, military industry, textile, pharmaceutical and other hazardous environments;
5. It is suitable for explosion-proof treatment of products with large volume, high working temperature rise of internal components or complex electrical wiring;
6. Two processing types for dilution of airflow and leakage compensation.

Product features

1. Applicable ambient temperature: -20°C - +40°C;
2. For explosive gas mixture hazardous places: Zone1, Zone2;
3. Applicable to combustible dust places: Zone 21, Zone 22;
4. Suitable for petroleum extraction, refining, chemical industry, medicine, light industry, military industry, textile, pharmaceutical and other hazardous environments;
5. It is suitable for explosion-proof treatment of products with large volume, high working temperature rise of internal components or complex electrical wiring;
6. Two processing types for dilution of airflow and leakage compensation.

Product features:

1. The product shell is made of high quality steel plate welding or stainless steel welding moulding, the surface is powder electrostatic spraying after high-speed shot blasting, with beautiful appearance;
2. Can be installed according to user requirements of a variety of ordinary detection instrumentation, analysis instrumentation, display instrumentation, transformers, soft starters, inverters, PLC, various buttons, switches, microcomputer touch screen and ordinary electrical components, the user needs to be installed on the electrical components are completely unrestricted;
3. Modular structure design, positive pressure chamber and control chamber can be combined up and down, left and right, front and rear, and can also be installed separately;
4. With gas pressure regulating and filtering device, users only need to introduce clean gas source on site, and do not need to install other gas source components;
5. With sparks and particles baffle, positive pressure chamber can be discharged, safe and reliable;
6. The control system adopts PLC programmable logic controller, which is stable and reliable with fast response speed;
7. Humanised man-machine interface, LCD text display, set a number of functions in one, reducing the control system panel buttons, indicators;
8. With communication interface, it can realise remote centralized monitoring and control;
9. Monitoring of positive pressure chamber pressure, flow rate and other important parameters;
10. Sensor signal type and signal value range can be set;
11. The delay time before formal gas exchange can be set to ensure that the combustible gas is completely discharged before the positive pressure chamber is energised;
12. According to the on-site gas source pressure, it can set the working pressure range, alarm pressure range and positive pressure chamber power cut-off pressure range by itself;
13. The size of the positive pressure chamber can be set according to the actual situation to improve the versatility of the control programme;
14. The programme automatically calculates the duration of air exchange according to the relevant parameters;
15. Modular programme design, only need to load different programmes to achieve different control functions;
16. Positive pressure chamber can be installed with all kinds of detecting instruments, analysing instruments, displaying instruments, low-voltage electrical appliances, frequency converter, soft starter and all kinds of electrical control systems, which is flexible and versatile.

Explosion-proof frequency control cabinet



Scope of application and use

1. For explosive gas mixture hazardous places: Zone1, Zone2;
2. Applicable to II A, II B explosive gas environment;
3. Applicable to T1 ~ T4 temperature class;
4. This product is widely used in petroleum and petrochemical, metallurgy, chemical industry, military industry and other hazardous environments and offshore oil platforms, tankers and other places.

Product features

1. Aluminium alloy die-casting or high-quality steel plate (stainless steel) welded shell, high-temperature shot blasting treatment, the surface of the high-pressure electrostatic spraying, corrosion-resistant, anti-aging;
2. Inside can be installed various company-produced frequency converter, circuit breaker, signal light components;
3. It mainly regulates the rotational speed of ordinary three-phase asynchronous motor by changing its output frequency, in order to achieve the requirements of the production process or realise the purpose of power saving, energy saving rate of up to 30% ~ 60%, can also be used as motor soft start controller, can also be composed of closed-loop debugging system through sensors, transformers and other control circuits, easy to install and operate, constant power factor, and at the same time have a variety of functions such as fault display;
4. It has various protections such as over-current, short-circuit, over-voltage, under-voltage, phase failure, etc. It can digitally display the frequency, rotational speed, and load rate or current, etc. It can manually adjust the frequency, set the process curve of rotational speed change according to the time, and also give the signal from DCS system to control its frequency;
5. Diversified choices of inlet and outlet wiring (conventional inlet wiring, steel pipe wiring, aviation plug).

Explosion-proof lighting (power) distribution box



Scope of application and use

1. For explosive gas mixture hazardous places: Zone1, Zone2;
2. Applicable to combustible dust environment: Zone 21, Zone22;
3. Applicable to IIA, IB, IIC class explosive gas environment;
4. Applicable to temperature class T1 ~ T6 environment;
5. This product is widely used in petroleum and petrochemical, metallurgy, chemical industry, military industry and other explosive hazardous environments;
6. Used for power distribution of lighting or power lines.

Product features

1. The shell is made of high-pressure casting aluminium alloy, and the surface is sprayed with high-pressure electrostatic plastic after shot blasting;
2. This series of products for the composite structure, the main cavity adopts the explosion-proof structure, the wiring cavity adopts the increased safety structure;
3. Adopting modular design, each circuit can be freely combined;
4. High breaking miniature circuit breaker or moulded case circuit breaker is installed inside, which can be opened and closed by operating the handle on the shell cover;
5. Equipped with connecting indicator signal lamp;
6. Overload and short-circuit protection function, and products with leakage protection function can be produced according to the requirements of users;
7. Can be used for both lighting circuits or power circuits for power distribution or switching off, but also lighting, power distribution or switching off mixed use;
8. Can be specially manufactured according to the requirements of users;
9. Diversified choices of inlet and outlet wiring (conventional inlet, steel pipe wiring, aviation plug).

Explosion-proof auto voltage reducing starter



Scope of application and use

1. Applicable to explosive gas mixture hazardous places: Zone1, Zone2;
2. Applicable to II B explosive gas environment;
3. Applicable to T1 ~ T4 group temperature class;
4. This product is widely used in petroleum and petrochemical, metallurgy, chemical industry, military and other hazardous environments and offshore oil platforms, tankers and other places.

Product features

1. Shell made of stainless steel or steel plate welding, high temperature electrostatic spraying surface;
2. Internal autotransformer, AC contactor, time relay, thermal relay, current transformer, ammeter, voltmeter, changeover switch, indicator light, etc.;
3. Products with overload, short-circuit, loss of voltage, phase failure protection and other functions;
4. Diversified choices of inlet and outlet wiring (conventional inlet wiring, steel pipe wiring, aviation plug).

Explosion-proof soft starting cabinet



Scope of application and use

1. Applicable to explosive gas mixture hazardous places: Zone1, Zone2;
2. Applicable to IIA, IIB explosive gas environment;
3. Apply to the temperature class T1 ~ T4 environment;
4. This product is widely used in petroleum and petrochemical, metallurgy, chemical industry, military industry and other explosive hazardous environments.

Product features

1. The device has built-in motor thermal protection, PTC direct thermal protection, start-up time detection, motor preheating function, protection against underload and overcurrent in continuous operation;
2. The operating panel can be used to modify the programming, adjustment or monitoring, in order to be able to adjust and optimise the equipment to suit different user requirements.
3. Can be used for regular and heavy duty starting according to the load characteristics, and the starting parameters can be set by yourself;
4. The shell is made of welded steel plate with high-pressure electrostatic spraying on the surface.

Explosion-proof drilling room



MCC room



Scope of application and use

1. Altitude not exceeding 2000m.
2. Ambient temperature: -20°C - +40°C.
3. With II A, II B class T1-T4 group explosive gases (or liquids, vapours) in the environment of Zone 2;
4. The environment with the presence of slightly corrosive gases;
5. Places without violent vibration and shock;
6. The main body of the drilling room consists of the room body, explosion-proof electrical control box or positive pressure explosion-proof distribution box, gas control system and other parts; according to user requirements can be equipped with explosion-proof air conditioning, explosion-proof oil lamp, explosion-proof monitoring and other equipment suitable for on-site use.

Product features

1. The shell of this product adopts stainless steel plate welding moulding, with beautiful appearance;
2. Adopt modular design, various circuits can be freely combined;
3. This product launches new optimised design scheme and operating mechanism, compact and reasonable structure, strong versatility, flexible and convenient operation, good hand feeling;
4. All fasteners are made of stainless steel;
5. Can be specially customised according to user requirements.

Scope of application and use

MCC room (i.e. motor control centre) is a kind of prefabricated indoor and outdoor compact power distribution equipment of well team which integrates switchgear and low-voltage power distribution devices according to a certain wiring scheme. The MCC room not only can guarantee the safety of personnel, but also can reduce the energy loss and reduce the labour intensity of power distribution personnel of well team.

Product features

1. Safeguard personnel safety;
2. Economic benefits:
 - Reduce energy loss;
 - Reduce the cost of using the well team power supply system;
 - Reduce the labour intensity of well team power distribution staff and reduce the installation cost;
3. The real realisation of prefabrication of power distribution system;
4. Facilitates the upgrading and transformation of the system.

Explosion-proof operation column



Scope of application and use

1. Applicable ambient temperature: -20°C - +40°C;
2. For explosive gas mixture hazardous places: Zone1, Zone2;
3. Applicable to combustible dust places: Zone 21, Zone 22;
4. Used in petroleum extraction, refining, chemical industry, military industry, textile and other hazardous environments;
5. The product programme is diversified and can be produced according to the electrical system diagram provided by the user.

Product features

1. Aluminium alloy die-casting or high-quality steel plate (stainless steel) welded shell, high-temperature shot blasting treatment, the surface of high-pressure electrostatic spraying, corrosion-resistant, anti-aging;
2. Stainless steel exposed fasteners, high anti-corrosion performance;
3. Internal indicators, buttons, universal transfer switch, ammeter, voltmeter, potentiometer, etc., can be assembled other instruments according to user requirements ;
4. Explosion-proof components adopt modular design, with strong interchangeability;
5. Rainproof cover can be fitted according to user requirements;
6. The shell and cover adopt curved sealing structure, which has good waterproof and dustproof performance. Hinges can be added according to the requirements, convenient maintenance;
7. Diversified choices of inlet and outlet wiring (conventional inlet wiring, steel pipe wiring).

Explosion-proof air-conditioner



Scope of application and use

1. Applicable ambient temperature: -20°C - +40°C.
2. For explosive gas mixture hazardous places: Zone1, Zone2;
3. Used in petroleum extraction, refining, chemical industry, military industry, tankers and other hazardous environments;
4. Regulate the temperature for workshop, control room, laboratory and other fields.

Product features

1. Explosion-proof air-conditioner is made by our company on the basis of ordinary air-conditioner with explosion-proof treatment, with reliable explosion-proof performance and no effect on the performance of the original air-conditioner;
2. According to the function, it can be divided into: single-cooling type and cooling and heating type;
3. According to the installation mode is divided into: wall-mounted and cabinet type;
4. Explosion-proof air conditioner pipeline connection is consistent with ordinary air conditioner, the electrical connection must be made in accordance with the requirements of the installation process of explosion-proof electrical appliances, and the power supply should be led into the explosion-proof control box first, and then from the explosion-proof control box to the indoor and outdoor units;
5. Compact structure, beautiful appearance.

Explosion-proof electromagnetic starter



Scope of application and use

1. Applicable ambient temperature: -20°C - +40°C;
2. For explosive gas mixture hazardous places: Zone1, Zone2;
3. Applicable to combustible dust places: Zone 21, Zone 22;
4. Applicable to T1 ~ T6 group temperature class;
5. Used in explosive hazardous environments such as petroleum extraction, oil refining, chemical industry, medicine and military industry;
6. Mainly used as infrequent starting and stopping of three-phase asynchronous motors.

Product features

1. Aluminium alloy die-casting or high-quality steel plate (stainless steel) welded shell, high-temperature shot blasting treatment, the surface of high-pressure electrostatic spraying, corrosion-resistant, anti-aging;
2. Stainless steel exposed fasteners, high anti-corrosion performance;
3. Internal AC contactor, thermal relay, self-resetting universal transfer switch or button, etc.;
4. A high analysis small circuit breaker and indicator light are installed in the integrated magnetic product
5. Can control AC 50Hz, 380V three-phase asynchronous motor direct start and stop, and has overload and phase break and loss of voltage protection;
6. Conventional products cable introduction direction for the lower into the lower out, can also be requested by the user special production;
7. Diversified choices of inlet and outlet methods (conventional inlet, steel pipe wiring, aviation plug).

Explosion-proof junction box



Scope of application and use

1. Applicable ambient temperature: -20°C - +40°C;
2. For explosive gas mixture hazardous places: Zone1, Zone2;
3. Applicable to combustible dust places: Zone 21, Zone 22;
4. Used in petroleum mining, oil refining, chemical industry, military industry, textile and other hazardous environments as the connection of wires and cables.

Product features

1. Aluminium alloy die-casting shell, high speed shot blasting treatment, the surface of high-pressure electrostatic spraying, corrosion resistance, anti-aging;
2. Stainless steel exposed fasteners, high anti-corrosion performance;
3. e-type, dust explosion-proof type adopts curved road sealing structure, with strong waterproof and dustproof performance; II B class adopts plane explosion-proof; II C class adopts threaded explosion-proof, with reliable explosion-proof performance and good protection performance;
4. Terminal block adopts special terminal block (or terminal block of famous brand developed by customers), which is convenient, firm and reliable, and the current size has various specifications for users to choose;
5. The direction of the inlet port is various, according to the user's requirements choose any optional inlet port, can also be directly fitted with BDM series of explosion-proof cable clamping and sealing joints;
6. Inlet and outlet threads for the conventional British threads, can also be customised for metric threads, NPT threads and other forms, must be specified when ordering;
7. Diversified choices of inlet and outlet methods (conventional inlet and outlet, steel pipe wiring).

Explosion-proof junction enclosure



Scope of application and use

1. Applicable ambient temperature: -20°C - +40°C;
2. For explosive gas mixture hazardous places: Zone1, Zone2;
3. Applicable to combustible dust places: Zone 21, Zone 22;
4. Used in petroleum mining, refining, chemical industry, military industry, offshore oil platform, tanker, metal processing and other hazardous environments as the connection of wires and cables.

Product features

1. Aluminium alloy die-casting shell, high speed shot blasting treatment, the surface of high-pressure electrostatic spraying, corrosion resistance, anti-aging;
2. Stainless steel exposed fasteners, high anti-corrosion performance;
3. Inlet and outlet wires are available in various ways and specifications;
4. Inlet and outlet threads can be specially made into metric threads, NPT threads and other forms;
5. Steel pipe or cable wiring are available.

Explosion-proof threading enclosure



Scope of application and use

1. Applicable ambient temperature: -20°C - +40°C;
2. For explosive gas mixture hazardous places: Zone1, Zone2;
3. Applicable to combustible dust places: Zone 21, Zone 22;
4. Used in petroleum mining, refining, chemical industry, military industry, textile and other hazardous environments as steel pipe wiring when connecting and turning direction.

Product features

1. Aluminium alloy die-casting shell, high speed shot blasting treatment, the surface of high-pressure electrostatic spraying, corrosion resistance, anti-aging;
2. Stainless steel exposed fasteners, high anti-corrosion performance;
3. There are various ways and specifications for the inlet and outlet;
4. Steel pipe or cable wiring are available.

Explosion-proof fan



Scope of application and use
<ol style="list-style-type: none"> 1. Applicable ambient temperature: -20°C - +40°C; 2. For explosive gas mixture hazardous places: Zone1, Zone2; 3. Used in petroleum extraction, refining, chemical industry, military industry, textile and other hazardous environments for ventilation and heat dissipation.
Product features
<ol style="list-style-type: none"> 1. The blower is made of high-quality steel plate welded into shape, and the blades are cast from aluminium alloy, with high-pressure electrostatic spraying on the surface; 2. This series of fan design adopts the impeller mechanical ternary flow theory, experimental data carefully designed to ensure that the fan excellent aerodynamic performance, with low noise, high efficiency vibration is small, low energy consumption and other characteristics; 3. The ventilator is composed of explosion-proof motor, impeller, air blower, protective cover shutter and so on. 4. Diversified choices of inlet and outlet wiring (conventional inlet wiring, steel pipe wiring).

Explosion-proof exhaust fan



Scope of application and use
<ol style="list-style-type: none"> 1. Applicable ambient temperature: -20°C - +40°C; 2. For explosive gas mixture hazardous places: Zone1, Zone2; 3. Used in petroleum extraction, refining, chemical industry, military industry, offshore oil platforms, tankers, metal processing and other hazardous environments for ventilation, air exchange and experimental indoor air circulation and renewal.
Product features
<ol style="list-style-type: none"> 1. This series of fan design adopts the impeller mechanical ternary flow theory, experimental data carefully designed to ensure that the fan excellent aerodynamic performance, with low noise, high efficiency vibration is small, low energy consumption and other characteristics; 2. The ventilator is composed of explosion-proof motor, impeller, air blower, protective cover shutter and so on.

BZD-158-101 Explosion-proof LED Lighting Lamp



Scope of application and use

1. For explosive gas mixture hazardous places: Zone1, Zone2;
2. Applicable to combustible dust places: Zone 21, Zone 22;
3. Applicable to II A, II B, II C explosive gas environment;
4. Applicable to T1 ~ T6 group temperature class;
5. Applicable to energy-saving renovation projects and inspection and replacement of difficult places;
6. Applicable to places containing corrosive gases, humidity, and environment with high protection requirements;
7. Widely used in petroleum extraction, refining, chemical industry, military industry and other hazardous environments and offshore oil platforms, tankers and other places.

Product features

1. The shell adopts high-strength aluminium alloy die-casting, after shot blasting, high-pressure electrostatic spraying; strong corrosion resistance, anti-corrosion grade reaches WF2;
2. LED light source adopts international famous brand chip;
3. Special constant current power supply, high efficiency, low power consumption, constant output power, and has an open circuit, short circuit, overheating protection to ensure that the LED light source works reliably, giving full play to the LED high efficacy, energy saving, long life characteristics;
4. Lamps adopt integrated design, light source cavity, electrical cavity and wiring cavity of three independent, light source cavity, power supply cavity is completely isolated, to ensure that the heat generated by the light source and power supply can be quickly emitted;
5. Transparent cover is made of toughened glass, which has the performance of high temperature resistance and heat resistance;
6. The lamps adopt pure explosion-proof structure, with excellent explosion-proof performance;
7. Lamps' combination of surface are set up a good sealing structure, sealing ring are used silicone rubber materials, high temperature resistance, anti-aging, the shell protection level to IP65;
8. The luminaire can be equipped with emergency, and the emergency does not need to be equipped with another electrical box.

BZD-168-01 Explosion-proof LED Lighting Lamp



Scope of application and use

1. For explosive gas mixture hazardous places: Zone1, Zone2;
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7. Widely used in petroleum extraction, refining, chemical industry, military industry and other hazardous environments and offshore oil platforms, tankers and other places.

Product features

1. Adopt high brightness LED light source, with high efficiency constant current drive power supply, make the brightness reach the best; LED components are all sealed, waterproof and dustproof, no need for internal cleaning and maintenance ;
2. Explosion-proof lamp shell using high-pressure casting of aluminium alloy, the surface of the high-pressure electrostatic spraying after shot blasting, effectively improve the heat dissipation performance of the shell; circuit basically close to the aluminium alloy shell, the point heat source can be converted into surface heat source, the heat dissipation area doubled, conducive to the rapid dispersion of heat to improve the efficiency of the heat dissipation; the surface of the shell has a dispersal of airflow grooves, with the help of the air flow to take away the heat; the heat-sinking fins have a high density, greatly improve the heat dissipation area, fully guarantee the heat dissipation requirements of the LED, longer service life;
3. The lampshade is made of toughened glass, with high light transmittance and strong impact resistance;
4. Specifically designed light distribution components for each type of lamps, giving full play to the performance of the lamps;
5. The light source and power supply adopt integrated structure, the power supply cavity is independent, and it is convenient to install and replace the lamps;
6. This series of lamps are maintenance-free products, energy-saving and environmentally friendly;
7. Wall-mounted installation rotating angle adjustable, cable wiring, ceiling-mounted installation can be cable or steel pipe wiring;
8. Exposed fasteners are made of stainless steel with high anti-corrosion performance.

Explosion-proof flexible connecting pipe



Scope of application and use

1. For explosive gas mixture hazardous places: Zone1, Zone2;
2. Applicable to combustible dust places: Zone 21, Zone 22;
3. Applicable to II A, II B, II C explosive gas environment;
4. This product is widely used in petroleum and petrochemical, metallurgy, chemical industry, military industry and other explosive hazardous environments.

Product features

1. Rubber sheath:
 - This product consists of internal and external threaded joints made of high-quality carbon steel, metal hose outsourced PVC pipe and other components;
 - Has the advantages of non-toxic and tasteless, oil resistance, acid resistance, corrosion resistance, abrasion resistance, aging resistance, waterproof, flame retardant, good flexibility and so on.
2. Stainless steel:
 - This product consists of internal and external threaded fittings made of high-quality tainless steel, stainless steel bellows outsourced stainless steel mesh pipe and other components;
 - Has the advantages of oil resistance, acid resistance, corrosion resistance, abrasion resistance, aging resistance, waterproof, flame retardant, good flexibility and so on.
3. Steel wire braid:
 - This product consists of internal and external threaded joints made of high quality carbon steel, rubber hose reinforced with steel wire mesh pipe lining and other components;
 - Has the advantages of oil resistance, acid resistance, corrosion resistance, abrasion resistance, aging resistance, waterproof, flame retardant, good flexibility and so on.

DESIGN

PRODUCTION

SALES

SERVICE

Application Cases





