PRODUCTS GUIDE

晶诚 JINGCHENG

JINCHEN ELECTRIC TRACING CO., LTD.

Company Profile

JINCHEN ELECTRIC TRACING CO., LTD. is located in Calgary, AB, Canada, and is a wholly owned subsidiary of Shenzhenshi Jingcheng High-technology Science Co., Ltd. Based on the scientific research technology level of Shenzhenshi Jingcheng High-technology Science Co., Ltd., JINCHEN ELECTRIC TRACING CO., LTD. will be engaged in developing technical services, technical consultation, technology development and sales services in the field of electric heating hoses and increasing the market share in the field of electric heating hoses in North America.

JINCHEN ELECTRIC TRACING CO., LTD. will adhere to the business concept of "survival by reputation and development by quality", and provide international customers with the assurance of quality and confidence. Meanwhile, JINCHEN ELECTRIC TRACING CO., LTD. will not only take the market as the guidance, but also drive the long-term sound development of the company through management and innovation, and will also strive for excellence in the quality of the main product of the parent company, i.e., electric heating hoses. As for the future development, JINCHEN ELECTRIC TRACING CO., LTD. is aimed to realize a win-win result in economic benefits between the company and the cooperator, and is also engaged in becoming an excellent one-stop solution provider for hot and cold low-pressure and high-pressure fluid transportation, to push the research value and manufacturing and application of electric heating hoses in the field of technology to a higher level.

Partners

中国石油

中国海油 CNOOC

中广核 CGN

太航

森远股份 SENYUAN CORPORATION

APELOA 普洛

WEGO 威高

Certification





Heating hose

- **High temperature& high pressure.....6**

--Special industry connection hoses

--Special connection hose for extruder

- **High temperature& low pressure.....7~9**

--Hot melt hetaed hose

--Hose for gas detection equipment

--Filling machine heated hose

--Waterproof equipment pipe

-- Speciality gases hetaed hose

- **Low temperature& high pressure.....9**

--Tubes for automotive production lines

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--Paraffin tube

--Tube for solvent-free compounding machine

--Polyurethane Hose

--Pharmaceutical equipment

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Auxiliary heating equipment

- Heating jacket.....16
- Heat protection shield.....16

Other product

- Temperature controller.....17
- Heating gun.....17

Technical specifications

Rated Voltage : □380Vac □220Vac □110Vac □12Vac or____

Sensor : □J □K □NI120 □PT100 □PT1000 or____

Length : □0.1M □3M □4.5M □5M □6M □10M or____

Dia : □Φ8□Φ12 □Φ16 □Φ19 □Φ25 or____

Max temperature : □400℃ □200℃ □120℃ □100℃ or ____

Working pressure : □4Mpa □10Mpa □20Mpa □35Mpa or ____

Rated power : □110W/M □150W/M □170W/M □200W/M or ____

Connector specification 1 : □BSP □JIC □M or____

Connector specification 2 : □BSP □JIC □M or____

High Temperature Wire Colours & Functions

	no.	color	function		no.	color	function	mark
host side	1			gun	1			
	2				2			
	3				3			
	4				4			
	5				5			
	6				6			
	7				7			
	8				8			

Item number

JCH - 200 - 16 - B - 3X220 - P2 - 8 - N

① ② ③ ④ ⑤ ⑥

① 200---Working Temperature (℃) : e.g. 200=200℃

② 16---hose inner dia : e.g. 16=Φ16

③ B---Hose liner material: e.g. B=corrugated stainless steel pipe;

TB=Teflon stainless steel braided hose; T=Teflon hose; X=special material

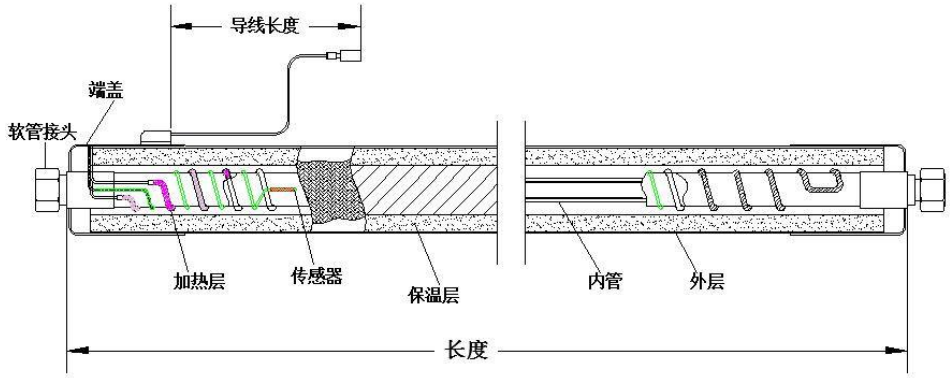
④ 3X220---hose working voltage : e.g. : 220=220V (3X220=three-phase, four-wire 220V)

⑤ P2---Temperature sensor type : P2=PT100 ; P3=PT100

K= K-Type Thermocouple ; J= J-Type Thermocouple ; W=No sensor required ; T=Special sensor type

⑥ 8---Working pressure : e.g. 8=8MPa

Electric heating hose drawings



Notice

Please follow the relevant technical parameters of this product for wiring and other operations.1. The bending radius of this product is 0.2M (diameter 0.4M), strictly prohibit the operation of the bending radius <0.2M (diameter 0.4M), the bending radius is too small, may cause damage to the product, short-circuit, leakage of liquid, fire and so on.2. This product in the process of installation and installation is completed to prohibit the horizontal twisting, the horizontal distortion may cause liquid leakage, flow loss, pipe damage, fire and so on.3. This product may cause liquid leakage, loss of flow, piping damage, fire, etc. 3. The Division recommends that the product be operated by stationary personnel as much as possible. (This product is only operated by authorised and trained professionals.) 4. For safety reasons, the Company does not assume any warranty for any unauthorised modifications or adjustments to this product. 5. If you encounter any problems that are not mentioned in the instructions during installation and use, please contact the Company as soon as possible and be guided to install the product by a professional person for your safety.

Working Environment :

a) Environment temperature : -40℃ ~ +55℃ ;

b) Relative humidity : Not more than 85% ;

c) Barometric pressure : 86kPa ~ 106kPa ;

d) Voltage range : 12Vac ~ 380 Vac

e) The surrounding medium should not contain gases and conductive media that corrode metals and damage insulation, and serious moulds are not allowed to exist. (Special environments need to contact us for customised products)

01

HOT HOSE · HEATED HOSE

Heated hoses are suitable for the transmission of water, oil, air and solutions at a constant temperature, and their main function is to hold and accompany heat. It prevents the solidification, freezing and increase in viscosity of resins, fats, oils and other viscous fluids.

One of the biggest advantages of our electrically heated hoses is that different types of insulation and heating hoses can be customised according to the temperature, viscosity and fluidity of the industry and the fluid flowing inside.



DETAILS

- High temperature and high pressure
- High temperature& low pressure
- Low temperature& high pressure
- Low temperature& low pressure
- Ultra high temperature and pressure

High temperature & high pressure

Special industry connection hoses



Focus on special industry high temperature and high pressure piping, pressure resistance can be as high as 40 MPa or higher (need to be customised) The internal materials used in the inner tube are all Japan Daikin Teflon, pressure-resistant steel wire at the pressure-resistant steel wire 304 pressure-resistant steel wire, after the testing agency (conventional), self-inspection, the supplier, and so on the three guarantees, to ensure that each pipeline temperature resistance and pressure resistance.

Specifications

Heat resistant temperature: up to 230℃

- Capable of insulating and heating. The heating layer consists of uniformly woven heating elements, thus minimising differences in temperature distribution on the inner walls.
- We manufacture our hoses from materials with high insulation efficiency.

Data sheet

ID	OD	Working pressure		Burst pressure		Min bending radius
inch	mm (±0.2)	bar	psi	bar	psi	mm
5/16″	13.3	113	1631	450	6525	15
3/8″	15.5	110	1595	440	6380	20
1/2″	19	88	1269	350	5075	25
5/8″	22.7	70	1015	280	4060	30
3/4″	27	65	943	260	3770	60
1″	34	57.5	834	230	3335	85
1-1/4″	43	52.5	761	210	3045	155
1-1/2″	49.5	50	725	200	2900	200

Special connection hose for extruder



Suitable for all types of extrusion equipment, extruders, scribing machines on the market material soft connection. Maximum use temperature up to 250 ° Maximum pressure resistance can be in the case of 250 ° to withstand the pressure of 35 MPA.

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1/2″	19	88	1269	350	5075	25
5/8″	22.7	70	1015	280	4060	30
3/4″	27	65	943	260	3770	60
1″	34	57.5	834	230	3335	85

High temperature & low pressure

Hot melt hetaed hose



Used in all kinds of hot melt glue machine, PUR glue machine, can also match the Nordson glue machine, Lebed glue machine, Danaite glue machine, Miller and other imported glue machine. The hot melt hose produced by Jingcheng is detached from the conventional manual winding method in the past. Adopting fully automated equipment winding, the quality of the hose is qualified and durable.

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inch	mm (±0.2)	bar	psi	bar	psi	mm
1/4″	9	173	2501	690	10005	30
5/16″	11	158	2284	630	3915	40
3/8″	12.4	135	1958	540	7830	60
1/2″	15.9	118	1704	470	6815	150
5/8″	19	88	1269	350	5075	180
3/4″	22.6	85	1234	340	4930	260
1″	29.5	75	1088	300	4350	300

Hose for gas detection equipment



Gas sampling tubes are widely used in various flue gas pre-treatment equipment, online monitoring equipment, various infrared and ultraviolet sampling analysers, and various laboratory testing equipment. Resistant to bending and folding, stable heat preservation performance.

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1/4″	9	173	2501	690	10005	30
5/16″	11	158	2284	630	3915	40

High temperature & low pressure

Filling machine heated hose

Suitable for all kinds of pavement maintenance equipment, grouting equipment.

Adopts unique inner tube reinforcement technology to ensure the service life of the hose.



Specifications

Heat resistant temperature: up to 230℃

- Capable of insulating and heating. The heating layer consists of uniformly woven heating elements, thus minimising differences in temperature distribution on the inner walls.
- We manufacture our hoses from materials with high insulation efficiency.

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3/4″	22.6	85	1234	340	4930	260
1″	29.5	75	1088	300	4350	300

Waterproof equipment pipe

Suitable for all kinds of waterproof construction equipment, non-curing spray equipment



Specifications

Heat resistant temperature: up to 230℃

- Capable of insulating and heating. The heating layer consists of uniformly woven heating elements, thus minimising differences in temperature distribution on the inner walls.
- We manufacture our hoses from materials with high insulation efficiency.

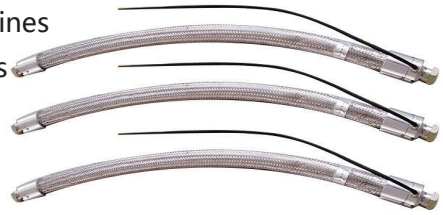
Data sheet

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5/8″	19	88	1269	350	5075	180
3/4″	22.6	85	1234	340	4930	260

High temperature & low pressure

Speciality gases hetaed hose

Mainly used in glass production lines with high operating temperatures for inert gas transport.



Specifications

Heat resistant temperature: up to 230℃

- Capable of insulating and heating. The heating layer consists of uniformly woven heating elements, thus minimising differences in temperature distribution on the inner walls.
- We manufacture our hoses from materials with high insulation efficiency.

Data sheet

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5/8″	19	88	1269	350	5075	180
3/4″	22.6	85	1234	340	4930	260
1″	29.5	75	1088	300	4350	300

Low temperature & high pressure

Tubes for automotive production lines

Apply to all kinds of imported and domestic glue pumps, SCA, ATN, GRACO, etc..



Specifications

Heat resistant temperature: up to 200℃

- Capable of insulating and heating. The heating layer consists of uniformly woven heating elements, thus minimising differences in temperature distribution on the inner walls.
- We manufacture our hoses from materials with high insulation efficiency.

Data sheet

ID	OD	Working pressure		Burst pressure		Min bending radius
inch	mm (±0.2)	bar	psi	bar	psi	mm
3/8″	15.7	475	6888	1900	27550	110
1/2″	19.7	450	6525	1800	26100	150
5/8″	22.5	400	5800	1600	23200	175
3/4″	20	300	4350	1200	17400	200
1″	25	275	3988	1100	15950	240

Low temperature & low pressure

Paraffin tube

Paraffin delivery for 3D printing machines



Specifications

Heat resistant temperature: up to 230℃

- Capable of insulating and heating. The heating layer consists of uniformly woven heating elements, thus minimising differences in temperature distribution on the inner walls.
- We manufacture our hoses from materials with high insulation efficiency.

Data sheet

ID	OD	Working pressure		Burst pressure		Min bending radius
inch	mm (±0.2)	bar	psi	bar	psi	mm
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3/8″	12.4	135	1958	540	7830	60
1/2″	15.9	118	1704	470	6815	150
5/8″	19	88	1269	350	5075	180
3/4″	22.6	85	1234	340	4930	260
1″	29.5	75	1088	300	4350	300

Tube for solvent-free compounding machine

Used in all kinds of solvent-free laminating machines



Specifications

Heat resistant temperature: up to 230℃

- Capable of insulating and heating. The heating layer consists of uniformly woven heating elements, thus minimising differences in temperature distribution on the inner walls.
- We manufacture our hoses from materials with high insulation efficiency.

Data sheet

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5/16″	11	158	2284	630	3915	40
3/8″	12.4	135	1958	540	7830	60
1/2″	15.9	118	1704	470	6815	150

Low temperature & low pressure

Polyurethane Hose

Special piping for polyurethane equipment is widely used in all kinds of laminating machines, single and two-component polyurethane compound platforms, and connecting equipment.



Specifications

Heat resistant temperature: up to 180℃

- Capable of insulating and heating. The heating layer consists of uniformly woven heating elements, thus minimising differences in temperature distribution on the inner walls.
- We manufacture our hoses from materials with high insulation efficiency.

Data sheet

ID	OD	Working pressure		Burst pressure		Min bending radius
inch	mm (±0.2)	bar	psi	bar	psi	mm
1/4″	9	173	2501	690	10005	30
5/16″	11	158	2284	630	3915	40
3/8″	12.4	135	1958	540	7830	60
1/2″	15.9	118	1704	470	6815	150
5/8″	19	88	1269	350	5075	180
3/4″	22.6	85	1234	340	4930	260
1″	29.5	75	1088	300	4350	300

Pharmaceutical equipment

Suitable for all types of medical equipment, with customised medical grade overfill inner tubes, all pipework can be customised as required.



Specifications

Heat resistant temperature: up to 230℃

- Capable of insulating and heating. The heating layer consists of uniformly woven heating elements, thus minimising differences in temperature distribution on the inner walls.
- We manufacture our hoses from materials with high insulation efficiency.

Data sheet

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1/2″	15.9	118	1704	470	6815	150
5/8″	19	88	1269	350	5075	180
3/4″	22.6	85	1234	340	4930	260
1″	29.5	75	1088	300	4350	300

Low temperature & low pressure

Food Conveyor Hose

Suitable for all types of food conveying equipment, using customized food Grade material passing inner pipe, all pipelines can be installed as required Customize.



Specifications

Heat resistant temperature: up to 100℃

- Capable of insulating and heating. The heating layer consists of uniformly woven heating elements, thus minimising differences in temperature distribution on the inner walls.
- We manufacture our hoses from materials with high insulation efficiency.

Data sheet

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5/8″	19	88	1269	350	5075	180
3/4″	22.6	85	1234	340	4930	260
1″	29.5	75	1088	300	4350	300

Constant temperature water heating



Specifications

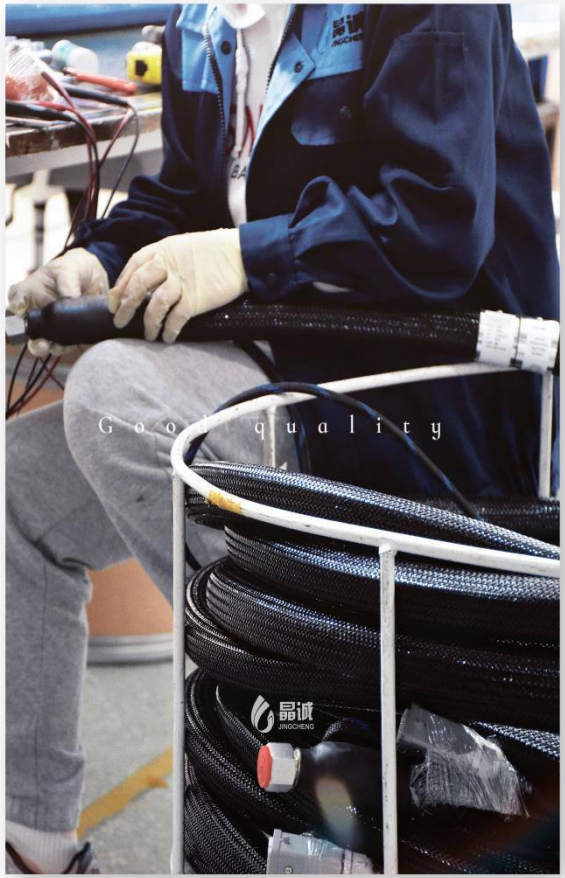
Heat resistant temperature: up to 100℃

- Capable of insulating and heating. The heating layer consists of uniformly woven heating elements, thus minimising differences in temperature distribution on the inner walls.
- We manufacture our hoses from materials with high insulation efficiency.

Data sheet

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深圳市晶誠高科技有限公司


Good quality



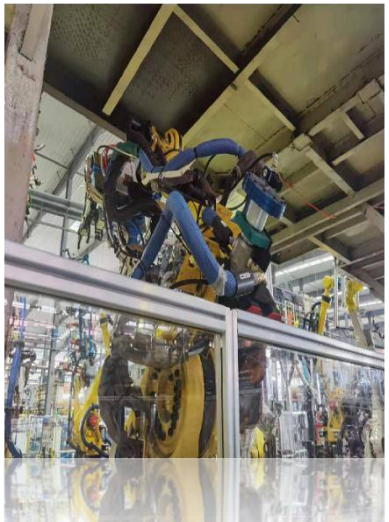







SCA







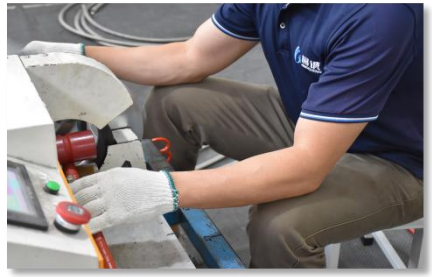

YASKAWA












装配区
Assembly Area







02

HOT HOSE · HEATED HOSE

Used to heat a variety of hoppers, tanks, pumps, valves and pipes. The products are made to order and are compatible with the items to be heated and the working environment. We offer a wide range of heater types, including removable and integrated heaters, to meet the various needs of our customers' products.

Deatils

- Heating jacket
- Heat protection shield



Heating jacket

A combined device consisting of a heater and an insulating material that eliminates the time and effort spent on heat tracing and insulation work and is compatible with almost any shape.。



Specification

Heat resistant temperature: up to 400℃

- Insulation materials used have been carefully selected to ensure low surface temperatures and reduce running costs.
- Compatible with most shapes: pipes, hoppers, tanks, pumps, valves, etc.
- Ultra-fine Nichrome wire sewn throughout the sheath to ensure longevity and balanced temperature distribution.

Application Scenarios

- Heating and insulation of pipes in semiconductor manufacturing equipment.
- Heating and insulation of pipelines: elbows, flanges, U-shaped tubes, V-shaped tubes, valves, bends, hoppers, etc
- Heating and insulation of tank: distillation tank, mixing tank, storage tank, drum, bucket, vacuum container, etc
- Insulation of equipment used in cold areas.
- Heating and insulation of complex experimental and research equipment.





Heat protection shield

Mainly used in high temperature and special industries.



Specification

- Selected insulation ensures a low surface temperature
- Heat resistance: up to 700℃
- Can be removed using VELCRO tape, string or strap.
- Compatible with most shapes: pipes, hoppers, tanks, pumps, valves, etc.

Application Scenarios

- Pipe insulation: elbow, flange, U-shaped pipe, V-shaped pipe, valve, bend pipe, hopper, etc.
- Tank insulation: distillation tank, mixing tank, storage tank, drum, bucket, vacuum container, etc.
- Insulation of tracing components.
- Prevent burns and heat loss

Temperature controllers

Please specify the heated hose/heater temperature control method and any special specifications so we can build the controller accordingly. Individual heated electrical boxes can also be customised, dual, triple and multiple are available.





Temperature control

- PID control，SSR output
- PID control, Thyristor output

Special specification

- Waterproof body with built-in waterproof box
- Voltage and ammeter can be installed

Electric heating spray gun

Suitable for road maintenance, waterproof use and other scenes spraying, special requirements can be customised.



Specification

- Length 1.2 metres, long guns
- Short Handheld Spray Gun

Ordering Process

1、Enquiry

Please contact us by phone, email.

2、 Specification confirmation

We will provide the best specification quotation reference according to customer's requirements.

3、Quotation sheet

If you are satisfied with the price and trading conditions, please send us a purchase order to confirm the transaction.

4、Production

Products will be manufactured in our factory according to specifications.

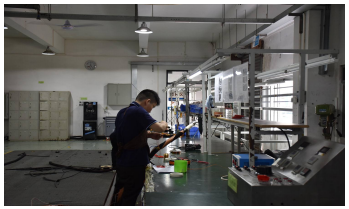
5、Product inspection& packaging

The product will be inspected for any defects and packed.

6、Shipping

The product will be shipped to the address you specify.









■ Contact us

Factory address: No. 7 Qiguan East Road, Torch Development Zone, Zhongshan City, Guangdong, China

Whatsapp：+86 185 6950 4906

YouTuBe：JINGCHENG-heatedhose

Instagram: jingcheng_heatedhose

Website：https://www.electricallyheatedhose.com/

晶诚 JINGCHENG