



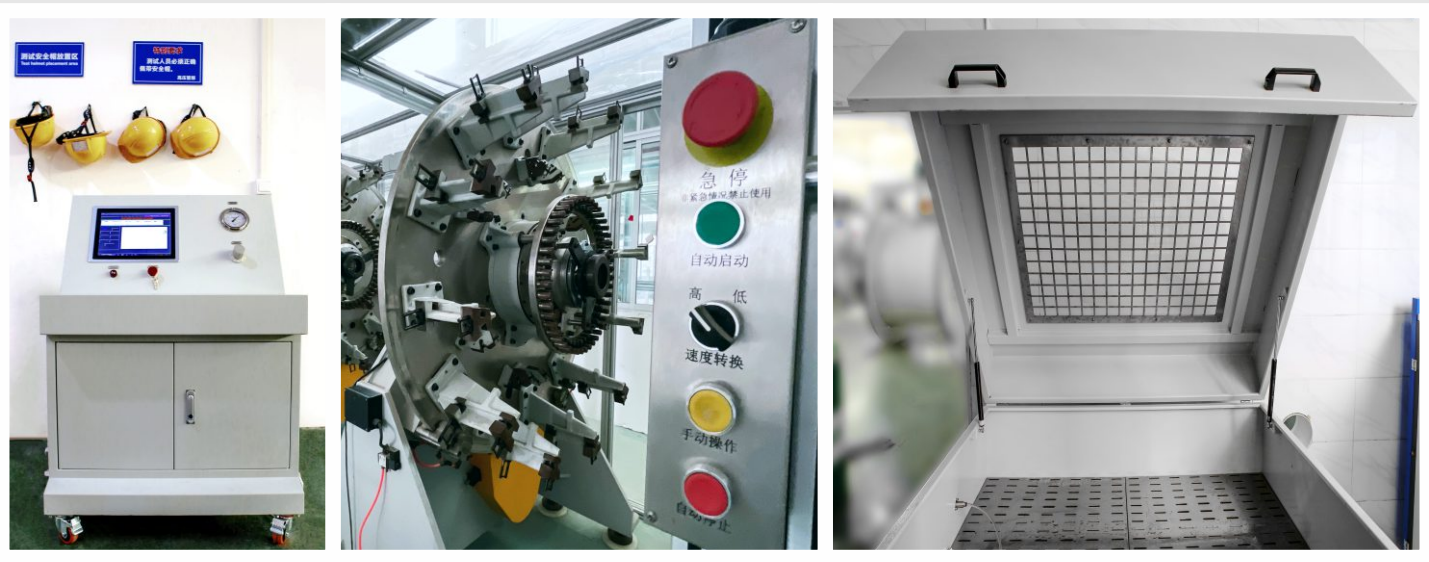
COMPANY PROFILE

Guangdong Kingjoy Technology Co., Ltd. is a collection of research and development, production and sales of steel wire winding high pressure hose strength manufacturer, after years of baptism, the current factory covers an area of 58000 square meters, a total investment of 120 million yuan, including production workshop, warehouse, office building, staff dormitory and a full set of industrial park facilities and domestic leading one - stop high - tech enterprise comprehensive production base ; staff nearly 500 Person ; with strong R & D technical personnel, advanced production, testing mechanical equipment, and perfect IOS quality management system.

Products sell well around the world, involving the entire industrial chain. Adhere to independent research and development, innovation as the core, pragmatic production, integrity and cooperation as the basic. There are more than 200 partners worldwide. With the international certification system SA 8000 certification, ISO 9001 quality management system standards, CSR corporate social responsibility system.

Guangdong Kingjoy Technology Co., Ltd.'s integrity, strength and product quality have been unanimously praised and recognized by the industry, welcome friends from all walks of life to visit the guidance and business negotiations.

Company Strength



Shanghai Jfree Trade Development Co., Ltd
“JFREE”

Guangdong Kingjoy Technology Co., Ltd
JFREE
捷孚瑞



01 Product Introduction

Jfree ultra-high pressure hose series, designed for high-pressure and ultra-high-pressure cleaning, cutting and other special applications, using higher levels of safety standards. This series of hoses has outstanding and easy-to-handle features that improve operator efficiency, extend product service life, and significantly reduce costly equipment downtime.

Application :

- Professional ship cleaning
- Professional industrial cleaning
- Professional ship cleaning
- Professional industrial cleaning
- Suitable for applications requiring working pressures in excess of 700bar and corresponding water cleaning and water cutting

Features :

- It can replace steel pipes and has good flexibility
- Using hydraulic manufacturing processes to produce complex hollow components
- The compact design allows the hose to be easy to handle and adapt to narrow spaces
- Compliant with DIN EN1829-2 standard, approved for safety hazard control
- Operators are protected by a high level of safety due to high quality standards
- It can be matched with the JFREE connection form, thus saving significant time and improving operator safety during assembly process
- Design safety factor>2:1

Professional application scope :

- Construction and shipbuilding industry (for very high working pressure applications, greater than 300MPa)
- Industrial cleaning
- Hydraulic removal, accumulation of dirt and material removal
- Applications in fields related to a working pressure not exceeding 280MPa (40600 psi)

Model

According to the number of reinforcement layers of the hose, it can be divided into six-layer steel wire wound hose and eight-layer steel wire wound hose. In the following table, 5 represents the inner diameter of the hose, 6 represents the number of wire winding layers of the hose, P represents the inner core material, H represents the outer skin material, A represents the reserved space, and others are the same.

Hose Model	Inside Diameter (mm)	Number of Winding Layers	Inner Core Material	Skin Material	Max.Working Pressure (mpa)	Work Pressure Detection (mpa)	Test Pressure (mpa)	Min.Bursting Pressure (mpa)	Min.Bending Radius (*3%cm)
5/6PHA	5	6	P	H	280	308	420	560	32
8/6PHA	8	6	P	H	303.5	333.9	455	607	42
13/8PHA	13	8	P	H	280	308	420	560	56

Model	5/6PHA nozzle -9-16teeth	5/6PHA casing pressure sleeve	5/6PHA pressure sleeve	8/6PHA nozzle -9-16teeth	8/6PHA pressure sleeve	8/6PHA protective aluminum pressure sleeve	High pressure pipe hexagonal adapter	Nozzle positioning sleeve -9-16teeth	Nozzle locking nut
Specifications	Φ14.8x110	Φ31.5x32	Φ21.5x62	Φ14.8x115	Φ27.5x65	Φ39.5x69	Φ40.5x60	Φ20.7x16	Φ33.8x35
Material	17-4PH HRC35°	45#steel HRC10°	45#steel HRC10°	17-4PH HRC35°	45#steel HRC10°	AL 6061		SUS304 HRC25°	
Technique	/	Plating of chemical nickel white nickel		/	Plating of chemical nickel white nickel	/	Laser	/	Laser



02 Product Structure

- The hose consists of an inner plastic layer, a steel wire winding layer, and a plastic outer covering layer.



03 Technical Requirements (Appearance)

- The inner hole of the hose core must be free of dust, debris, and other anomalies.
- The outer surface of the hose core must not have any cracks, visual deformation, dents, protrusions, missing materials, wrinkles, impurities or other anomalies.
- The hose winding layer must not have any looseness, faults, jumping layers, uneven winding (uneven), poor solidification of the adhesive, corrosion of the steel wire and hose by the adhesive, and other anomalies.
- The outer surface of the hose should not have any anomalies such as separation layer, bubbles, cracks, cracks, exposed steel wires, lack of material, dirt, severe pits, severe protrusions, severe discoloration, severe scars, etc. It is allowed to have defects such as pits, protrusions, discoloration, scars, etc. that do not exceed the limit (see the limit sample for details).
- The hose protective sleeve should not have any anomalies such as bubbles, cracks, cracks, missing materials, dirt, severe dents, severe protrusions, severe discoloration, obvious scars, etc. It is allowed to have defects such as dents, protrusions, discoloration, scars, etc. that do not exceed the limit (see the limit sample for details).
- The spray printed content of the hose and hose protective sleeve should not have any anomalies such as missing ink, ghosting, deformation, or unclear fonts. Defects such as missing ink, ghosting, or deformation are allowed within the limit.
- The surface of the hose assembly (five piece set) must be free of rust, contour deformation, missing material, obvious knife marks (Ra ≤ 5.2um) (see the limit sample for details), obvious scratch, burrs, and other anomalies. Defects such as knife marks and scratches that do not exceed the limit are allowed (see the limit sample for details).
- The laser content of the hose assembly (five piece set) should not have any anomalies such as missing fonts, ghosting fonts, deformation fonts, or unclear fonts.

Size of Hose Assembly (Joint)

- The external thread of the nozzle and nozzle locking nut must meet the accuracy requirements of 6g or 2A, the thread (T) gauge can pass smoothly without jamming, and the (Z) gauge must stop within half a turn (180 °).
- The nozzle positioning sleeve and hexagonal adapter internal thread must meet the accuracy requirements of 6H or 2B, the thread (T) gauge can pass smoothly without jamming, and the (Z) gauge must stop within half a turn (180 °).
- The hose assembly (five-piece set) shall be assembled with the hose conforming to the standards and requirements of our enterprise.
- The hose assembly (five-piece set) shall only be assembled using fittings that are verified to meet the requirements of kingjoy 2D drawings. The kingjoy flexible hose assembly kit and assembly instructions shall be followed.

Hose Size

- Measurement shall be carried out according to the size requirements of Jfree 2D drawings. The inner diameter of the hose, concentricity and ovality of the inner tube, outer diameter of the reinforcement layer and outer diameter of the hose shall be in accordance with the requirements of the drawings, and the length shall be in accordance with the requirements of the order. (0.1-0.5m longer than required in the order)
- Before riveting the hose joint, the inside of the hose needs to be cleaned, and the inner holes at both ends need to be chamfered and deburred.

Technical parameters :

Hose Core	Pressure Enhancement Layer	Outer Adhesive Layer	Standard Colors	Temperature Range
Polyformaldehyde	Six-layer of high-strength steel wire winding	The first layer of nylon; The second layer of polyurethane, wear-resistant	The first layer is yellow; Second layer is red	-10°C to +70°C