



# 热压罐/真空工艺管接全套 Vacuum Tube & Connector

上海世本复合材料科技发展有限公司  
SHANGHAI SIBENS COMPOSITES TECH DEV. CO, LTD

真空管 VBTube | 真空嘴 Vacuum Valve | 快速接头 VConnector

■ 产品列表 Product List

序号	名称
1	通用型高温耐压/加强真空软管 <b>SI-VBTube-R1</b> General Fiber Reinforced Vacuum Tube
2	航空热压罐用防爆真空软管 <b>SI-VBTube-R2</b> Autoclave Vacuum Tube for Aerospace
3	高温烘箱用真空软管 <b>SI-VBTube-R3</b> Vacuum Tube for High Temp. Oven
4	通用铝制真空嘴 <b>SI-VV-D401AL(s)</b> General Vacuum Valve
5	通用钢制真空嘴 <b>SI-VV-D402SS</b> General Vacuum Valve
6	防漏气真空嘴 <b>SI-VV-D404SS</b> Anti-airleak Vacuum Valve
7	超高温真空嘴 <b>SI-VV-D405SS</b> Ultra High Temp. Vacuum Valve
8	快速接头 <b>SI-VC-G402SS/Cu</b> Quick Vacuum Connector
9	热电偶组件 <b>SI-TC1</b> Thermocouple Group



## 通用型高温耐压/加强真空软管 General Fiber Reinforced Vacuum Tube SI-VBTube-R1

产地：中国  
规范：暂无收录

### 描述 Description

该真空软管材质为不锈钢丝内部加强的编织硅橡胶管。由里外两层硅胶夹带中间一层编织聚酯线和内部不锈钢加强层组成，拥有超强的抗负压能力同时具备极好的弯曲度；编织硅胶管是环保无毒的，不含有机增塑剂、邻苯二甲酸盐和乳胶添加剂；不会分解任何气味和味道；可高温和高压操作。SI-VBTube-R1 主要用于高温高压设备的连接配件，真空设备，高洁净实验室以及液气体的输送等。具有良好的化学、机械性能。该真空软管可耐温 260° C，高强度，气密性佳。用于高性能复合材料成型。适合所有体系等。

The vacuum tube is a polyester reinforced silicon rubber tube. It is composed by 3 layers plus stainless steel reinforcement, inner silicon rubber, middle polyester fiber and outer silicon rubber. It has excellent compressive, ability and together with tough bending strength. The SI-VBTube-R1 is non-toxic, no plasticizer/phthalate/latex additives, no decomposing of odor. High pressure and temperature operation is available. SI-VBTube-R1 is mainly applied for connecting fittings of high pressure equipment, vacuum equipment, high cleanliness laboratory and liquid gas transportation, etc. It has excellent chemical and mechanical properties. The tube could be used at temperature 260° C, high strength, perfect sealing. It could be applied on Advanced composites manufacturing process. It is available for all resins.

### 技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	聚酯线/硅橡胶 Polyester/Silicon rubber 不锈钢加强层 Stainless Steel	
颜色 Color	灰色	
硬度 Nominal Hardness	70 Shore A	
最高使用温度 Maximum using Temp.	232°C	
最高使用压力 Max Using Pressure	-1.2MPa	
连接形式 Connection on the ends	两端 1/4"NPT(ZG)外丝，与快速接头适配	

### NOTES:

- 内部增强纤维可用玻纤，具体根据客户需求定制。  
(1) The reinforcement could be changed to glass fiber, the type of the fiber could be tailored by customer.
- 以上数据为典型值，非工艺规范参数。  
(2) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.
- 建议使用寿命：使用温度 220° C，压力-1.0MPa，每日一班工况下，6个月复检，8-10个月替换。频次低可延长。  
(3) The advised lifetime: under temp. 220C, pressure -1.0MPa, 8h/d, re-check up to 6 months, replace up to 10 months.

### 标准尺寸 Size

选型 Type	管径 Inner Diameter	管长 Length	净重 Weight	适用范围
小通量灵活型 R1S	6mm*12mm	3m/6m	2.4kg/5.3kg	烘箱/热压罐，3m 以下件
小通量耐用型 R1SH	6mm*14mm	3m/6m	2.8kg/5.5kg	烘箱/热压罐，3m 以下件
大通量型 R1L	10mm*16mm	3m/6m	3.2kg/6.0kg	烘箱/热压罐，3m-12m 件

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

©Copyright 2017 Shanghai Sibens Composites Technical Dev Co., Ltd

上海世本复合材料科技发展有限公司  
Shanghai Sibens Composites Tech.Dev., Ltd.  
888 Huanhu W 2<sup>nd</sup> Rd, Pudong, Shanghai  
Phone - (+86)177.1708.9953  
Email - erin.ma@sibenscomp.com  
www.sibenscomp.com





## 航空热压罐用防爆真空软管 Autoclave Vacuum Tube for Aerospace SI-VBTube-R2

产地: 中国  
规范: 暂无收录

### 描述 Description

该真空软管为航空热压罐专用的耐高温高压硅橡胶管。由内部不锈钢编织层, PTFE 层, 内支撑钢丝层, 外部高温胶层 4 层一体成型制成。拥有超强的抗压防爆能力同时具备较好的弯曲度; 编织硅胶管是环保无毒的, 不含有机增塑剂、邻苯二甲酸盐和乳胶添加剂; 可高温和高压操作。SI-VBTube-R2 主要用于航空级热压罐等高温高压设备的连接配件, 具有稳定性高, 高强防爆性能和良好的化学、机械性能。该真空软管可耐温 260° C, 高强度, 气密性佳。用于高性能复合材料成型。适合所有体系等。

The vacuum tube is a polyester reinforced silicon rubber tube. It is composed by 4 layers, inner 3D braided stainless steel, PTFE, stainless steel spring and outer silicon rubber. It has excellent compressive, anti-explosion ability and together with tough bending strength. The SI-VBTube-R2 is non-toxic, no plasticizer/phthalate/latex additives, no decomposing of odor. High pressure and temperature operation is available. SI-VBTube-R2 is mainly applied for connecting fittings of Aerospace autoclave, vacuum equipment, etc. It is stable, anti-explosion, excellent chemical and mechanical properties. The tube could be used at temperature 260° C, high strength, perfect sealing. It could be applied on Advanced composites manufacturing process. It is available for all resins.

### 技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	硅橡胶 Polyester/Silicon rubber 不锈钢编织层 3D braided stainless steel 四氟层 PTFE	
颜色 Color	深红色	
硬度 Nominal Hardness	70 Shore A silicon layer	
最高使用温度 Maximum using Temp.	232°C	
最高使用压力 Maximum using Pressure	2.2MPa	
连接形式 Connection on the ends	两端 1/4"NPT(ZG)外丝, 与快速接头适配	

#### NOTES:

- (1) 以上数据为应用典型值, 非工艺规范参数。  
(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.  
(2) 建议使用寿命: 使用温度 220° C, 压力-2.0MPa, 每日一班工况下, 满 1 年复检, 1.5 年替换。频次低可延长。  
(2) The advised lifetime: under temp. 220C, pressure -2.0MPa, 8h/d, re-check up to 1 year, replace up to 1.5 years.

### 标准尺寸 Size

选型 Type	管径 Inner Diameter	管长 Length	净重 Weight	适用范围
小通量灵活型 R2S	6mm*16mm	3m/6m	2.8kg/5.6kg	热压罐, 3m 以下件
大通量型 R2L	10mm*18mm	3m/6m	3.4kg/6.2kg	热压罐, 3m-12m 件

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

©Copyright 2017 Shanghai Sibens Composites Technical Dev Co., Ltd

上海世本复合材料科技发展有限公司  
Shanghai Sibens Composites Tech.Dev., Ltd.  
888 Huanhu W 2<sup>nd</sup> Rd, Pudong, Shanghai  
Phone - (+86)177.1708.9953  
Email - erin.ma@sibenscomp.com  
www.sibenscomp.com





## 高温烘箱用真空软管 Vacuum Tube for High Temp. Oven SI-VBTube-R3

产地：中国  
规范：暂无收录

### 描述 Description

该真空软管为高温硅橡胶材质。由高温硅胶层，内支撑钢丝层组成。拥有极好的抗负压能力同时具备较好的弯曲度；硅胶材质是环保无毒的，不含有机增塑剂、邻苯二甲酸盐和乳胶添加剂；可高温操作。SI-VBTube-R3 主要用于普通烘箱，真空导入工艺等的真空管路连接配件，工艺操作中安装简便，无需拆卸，可以直接加热，管路稳定不变形。具有良好的化学、机械性能。该真空软管可耐温 200° C/260° C，高强度，气密性佳。

**注意：该管不能用于抽吸液体树脂。**

The vacuum tube is a steel reinforced silicon rubber tube. It is composed of inner stainless steel and outer silicon rubber. It has excellent anti-vacuum ability together with tough bending strength. The SI-VBTube-R3 is non-toxic, no plasticizer/phthalate/latex additives, no decomposing of odor. High temperature operation is available.

SI-VBTube-R3 is mainly applied for connecting fittings of High temp. Oven, vacuum equipment, etc. It is easily assembly, direct heating without re-assembly, tube is stable with no distortion under high temperature, excellent chemical and mechanical properties.

The tube could be used at temperature 200° C /260° C, high strength, perfect sealing.

Attention: SI-VBTube-R3 is not fit for pumping liquid resin.

### 技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	硅橡胶 Polyester/Silicon rubber 不锈钢增强层 Stainless steel	
颜色 Color	橙色/绿色	
硬度 Nominal Hardness	70 Shore A silicon layer	
最高使用温度 Maximum using Temp.	232°C/180°C	
最高使用压力 Maximum using Pressure	-0.1MPa	
连接形式 Connection on the ends	两端 1/4"NPT(ZG)外丝，与快速接头适配	

#### NOTES:

- 以上数据为应用典型值，非工艺规范参数。
- The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.
- 建议使用寿命：对于使用温度 220° C，压力-0.1MPa，每日一班工况下，6 个月复检，8-10 个月替换。频次低可延长。
- The advised lifetime: under temp. 220C, pressure -0.1MPa, 8h/d, re-check up to 6 months, replace up to 10 months.
- 建议使用寿命：对于使用温度 180° C，压力-0.1MPa，每日一班工况下，3-4 个月复检，6-8 个月替换。频次低可延长。
- The advised lifetime: under temp. 180C, pressure -0.1MPa, 8h/d, re-check up to 4 months, replace up to 8 months.

### 标准尺寸 Size

选型 Type	管径 Inner Diameter	管长 Length	净重 Weight	适用范围
小通量灵活型 R3S	8mm*14mm	3m/6m	2.2kg/5.2kg	烘箱，3m 以下件
大通量型 R3L	10mm*16mm	3m/6m	2.8kg/5.8kg	烘箱，3m-12m 件

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

©Copyright 2017 Shanghai Sibens Composites Technical Dev Co., Ltd

上海世本复合材料科技发展有限公司  
Shanghai Sibens Composites Tech.Dev., Ltd.  
888 Huanhu W 2<sup>nd</sup> Rd, Pudong, Shanghai  
Phone - (+86)177.1708.9953  
Email - erin.ma@sibenscomp.com  
www.sibenscomp.com





## 通用铝制真空嘴 General Vacuum Valve SI-VV-D401AL(s)

产地: 中国  
规范: 通用

### 描述 Description

D401AL, 是一款优质的真空嘴, 采用轻质 6061#铝合金材质, 用于复合材料的真空袋压工艺中, 快速可靠的将真空管连接到真空袋上。

该真空嘴由两部分组成, 一部分是底座 (位于真空袋内部), 另一部分是旋转头配橡胶软垫圈 (位于真空袋外部)。

该真空嘴的突出特点是重量轻, 使用方便。锁扣到 1/3 位置即可实现可靠密封。

D401AL 最高使用温度可达 200° C/260° C, 常压烘箱或热压罐中都可以使用。

D401AL 为铝合金材质, 使用中容易磨损, 需定期检查。

D401ALs 为特别制作的 smart 型, 能够用于真空袋侧面挂壁使用, 尤其适合多拐角小件及复杂型面件。

These high quality Through Bag Valves are a quick and reliable way to connect vacuum hoses to vacuum bags.

The valve is made up of two halves, one of which is placed inside the vacuum bag, the other is placed on the outside.

The distinguished character of this valve is light weight and easily assembly. The two halves twist together clamping around a rubber seal, providing a solid and reliable air-tight seal.

D401 could stand temp. of 200°C/260° C, it could be applied to autoclave and oven.

These high quality Valves should be checked before using.

### 技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	6061 Aluminum 6061 铝合金	
底座直径 Diameter	60mm/50mm	
整体高度 Total Height	33.5mm	
扳手位高度 Spanner Position Height	5mm	
密封垫圈材质 Sealing Material	硅橡胶 Silicon rubber	
螺纹制式 Thread Standard	1/4"ZG (NPT)	
最高使用温度 Max using temperature	232°C/180°C	

#### NOTES:

(1) 以上数据为典型值, 非工艺规范参数。

(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

#### 标准尺寸 Size

规格 Standard	材料 Material	重量 Weight
1/4" NPT(ZG)	铝合金	120.0g/95.0g

#### NOTES:

(1) 货品可按客户要求订制, 订制货品需要满足最小起订量。

(1) Tailored products should satisfy the MOQ.

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

©Copyright 2017 Shanghai Sibens Composites Technical Dev.Ltd

上海世本复合材料科技发展有限公司  
Shanghai Sibens Composites Tech.Dev., Ltd.  
888 Huanhu W 2<sup>nd</sup> Rd, Pudong, Shanghai  
Phone - (+86)177.1708.9953  
Email - erin.ma@sibenscomp.com  
www.sibenscomp.com





## 通用钢制真空嘴 General Vacuum Valve SI-VV-D402SS

产地: 中国  
规范: 通用

### 描述 Description

D402, 是一款优质的真空嘴, 用于复合材料的真空袋压工艺中, 快速可靠的将真空管连接到真空袋上。

该真空嘴由两部分组成, 一部分是底座 (位于真空袋内部), 另一部分是旋转头配橡胶软垫圈 (位于真空袋外部)。

该真空嘴的突出特点是使用时无需将真空袋预先制孔, 而直接实现底座旋转插入连接。中间有橡胶垫圈, 保证可靠的密封性。

D402 最高使用温度可达 260° C, 常压烘箱或热压罐中都可以使用。

这些高质量的真空嘴, 可以被无限的重复使用。

These high quality Through Bag Valves are a quick and reliable way to connect vacuum hoses to vacuum bags.

The valve is made up of two halves, one of which is placed inside the vacuum bag, the other is placed on the outside.

The distinguished character of this valve is to avoid pinning a small hole on the vacuum bag.

It could be directly insert and spin the mandrel of the valve to assembly. The two halves twist together clamping around a rubber seal, providing a solid and reliable air-tight seal.

These high quality Valves can be re-used indefinitely.

### 技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	304 不锈钢 Stainless steel (SS)	
底座直径 Diameter	60mm	
整体高度 Total Height	32mm	
扳手位高度 Spanner Position Height	5mm	
密封垫圈材质 Sealing Material	硅橡胶 Silicon rubber	
螺纹制式 Thread Standard	1/4"ZG (NPT)	
最高使用温度 Max using temperature	232°C	

#### NOTES:

(1) 以上数据为典型值, 非工艺规范参数。

(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

### 标准尺寸 Size

规格 Standard	材料 Material	重量 Weight
1/4" NPT/ZG	304 不锈钢	360.0g

#### NOTES:

(1) 货品可按客户要求订制, 订制货品需要满足最小起订量。

(1) Tailored products should satisfy the MOQ.

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

©Copyright 2017 Shanghai Sibens Composites Technical Dev.Ltd

上海世本复合材料科技发展有限公司

Shanghai Sibens Composites Tech.Dev., Ltd.

888 Huanhu W 2<sup>nd</sup> Rd, Pudong, Shanghai

Phone - (+86)177.1708.9953

Email - erin.ma@sibenscomp.com

www.sibenscomp.com





## 防漏气真空嘴 Anti-airleak Vacuum Valve SI-VV-D404SS

产地: 中国  
规范: 通用

### 描述 Description

D404SS, 是一款独特设计的防漏气真空嘴。  
D404SS 采用高精度数控加工, 将传统真空嘴和快速接头公头一体化, 减少了二次装配, 稳定不漏气, 使用方便。  
D404SS 最高使用温度可达 260° C, 一般用于高精度的真空袋压工艺, 检漏和计量校准。常压烘箱或热压罐中都可以使用。  
D404SS 可以无限次重复使用。

D404SS high quality Through Bag Valves are a specially designed anti-airleak vacuum valve. D404SS is a high dimension CMC machined part, reducing risk of air leakage by integration of normal valve and quick connector's male part. It is avoiding second assembly step and stable, conveniently use.  
D404SS could stand temp. of 260° C, it could be applied to autoclave and oven. Usually it is used on high quality vacuum bagging process, leakage check and calibration.  
These high quality Valves can be reused ultimately.

### 技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	304 Stainless Steel 304 不锈钢	
底座直径 Diameter	60mm	
整体高度 Total Height	45mm	
密封垫圈材质 Sealing Material	硅橡胶 Silicon rubber	
螺纹制式 Thread Standard	1/4"ZG (NPT)	
最高使用温度 Max using temperature	260°C	

#### NOTES:

- (1) 以上数据为典型值, 非工艺规范参数。  
(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

### 标准尺寸 Size

规格 Standard	材料 Material	重量 Weight
1/4" NPT(ZG)	不锈钢	420.0g

#### NOTES:

- (1) 货品可按客户要求订制, 订制货品需要满足最小起订量。  
(1) Tailored products should satisfy the MOQ.

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

©Copyright 2017 Shanghai Sibens Composites Technical Dev.Ltd

上海世本复合材料科技发展有限公司  
Shanghai Sibens Composites Tech.Dev., Ltd.  
888 Huanhu W 2<sup>nd</sup> Rd, Pudong, Shanghai  
Phone - (+86)177.1708.9953  
Email - erin.ma@sibenscomp.com  
www.sibenscomp.com







## 超高温真空嘴 Ultra High Temp. Vacuum Valve SI-VV-D405SS

产地: 中国  
规范: 通用

### 描述 Description

D405SS, 是一款耐温达到 650° C 的超高温真空嘴, 采用 304 不锈钢材质, 用于温度高于 250° C 的超高温复合材料的真空袋压成型工艺操作。  
D405SS 采用高精密度数控加工, 硬密封连接方式。适用的真空袋膜厚度为 50-80um。  
D405SS 最高使用温度可达 650° C, 一般用于双马、聚酰亚胺、热塑性真空袋压工艺, 常压烘箱或热压罐中都可以使用。  
D405SS 可以无限次重复使用。

D405SS high quality Through Bag Valves are a specially designed ultra high temperature used vacuum valve. Usually the process temperature is higher than 250°C.  
D405SS is high dimension CMC machined part, hard sealing method. The corresponding vacuum bagging film thickness should be within 50-80um.  
D405SS could stand temp. of 650° C, it could be applied to autoclave and oven.  
These high quality Valves should be reused ultimately.

### 技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	304 Stainless Steel 304 不锈钢	
底座直径 Diameter	60mm	
整体高度 Total Height	45mm	
密封垫圈材质 Sealing Material	硅橡胶 Silicon rubber	
螺纹制式 Thread Standard	1/4"ZG (NPT)	
最高使用温度 Max using temperature	600°C	

#### NOTES:

- (1) 以上数据为典型值, 非工艺规范参数。  
(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

### 标准尺寸 Size

规格 Standard	材料 Material	重量 Weight
1/4" NPT(ZG)	不锈钢	380.0g

#### NOTES:

- (1) 货品可按客户要求订制, 订制货品需要满足最小起订量。  
(1) Tailored products should satisfy the MOQ.

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

©Copyright 2017 Shanghai Sibens Composites Technical Dev.Ltd

上海世本复合材料科技发展有限公司  
Shanghai Sibens Composites Tech.Dev., Ltd.  
888 Huanhu W 2<sup>nd</sup> Rd. Pudong, Shanghai  
Phone – (+86)177.1708.9953  
Email – erin.ma@sibenscomp.com  
www.sibenscomp.com





## 快卸接头 Vacuum Connector SI-VC-G402SS/Cu

产地: 中国  
规范: 通用

### 描述 Description

该快卸接头是航空工业专用气路接头。具有不锈钢和黄铜两种材质。适用于真空管路、压力气路、液压管路等。符合制造标准 ISO7241-B。锥形阀芯，钢珠锁紧设计。当公头拔出时，气（液）路自动锁紧。该快卸接头可耐温 200° C/260° C，高强度，气密性佳。用于高性能复合材料袋压成型、模压、热压罐等。适合所有树脂体系等。

The quick connector is developed especially for the Aerospace Industry. It has two types of materials: stainless steel & copper. It is available for vacuum tube, press machine, liquid tube, etc. The manufacturing standard is ISO 7241-B. Cone disc, steel ball lock. When the male part is disconnected from the female part, there is no leakage of air and the other liquid.

The connector could be used at temperature 200°C/260° C, high strength, perfect sealing. It could be applied on dnvanced composites manufacturing process. It is available for all resins.

### 技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	304 不锈钢或铜 Stainless steel or copper	
额定压力 Pressure	70bar	
额定流量 Flow	1~150GPM	
规格 Size	1/8"~2"	
最高使用温度 Maximum using Temp.	200°C/260°C	
密封垫圈材质 Sealing Material	氟橡胶 Fluoro-rubber	
螺纹制式 Thread Standard	BSP (G\NPT\M)	

#### NOTES:

- (1) 以上数据为典型值，非工艺规范参数。  
(1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

### 标准尺寸 Size

规格 Standard	示意图 Draft	重量 Weight
1/4" 不锈钢	TBD	M:29.0g; F:55.0g
1/4" 黄铜	TBD	M:31.5g; F:61.0g

#### NOTES:

- (1) 货品可按客户要求订制，订制货品需要满足最小起订量。  
(1) Tailored products should satisfy the MPQ.

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

©Copyright 2017 Shanghai Sibens Composites Technical Dev.Ltd

上海世本复合材料科技发展有限公司  
Shanghai Sibens Composites Tech.Dev., Ltd.  
888 Huanhu W 2<sup>nd</sup> Rd, Pudong, Shanghai  
Phone - (+86)177.1708.9953  
Email - erin.ma@sibenscomp.com  
www.sibenscomp.com





## 热电偶组件 Thermocouple Group

SI-TC1

产地: 美国  
规范: 通用

### 描述 Description

该热电偶是航空工业专用热电偶接头。具有 J 型和 K 型两种选择。适用于复材成型过程中树脂温度、模具温度、空气温度及配套设备连接、温度记录仪使用。该热电偶可耐温 482° C, 测温精准, 重复利用率高。用于高性能复合材料袋压成型、模压、热压罐等。适合所有树脂体系等。

The thermocouple group is developed especially for the Aerospace Industry. It has two types of J & K. It is available for test temperature of resin, tooling, air and related machines, temperature recording equipment while composites curing process. The thermocouple could be used at temperature 482° C, high precision, repeated usage. It could be applied on advanced composites manufacturing process. It is available for all resins.

### 技术参数 Technical Data

		测试标准 Test Method
材质类型 Material Type	J or K type 镍铬/镍硅 (K 型) 铁/铜镍 (J 型)	
线径直径 Diameter	0.127/0.255/0.511mm	
颜色标记 Color	红为负极/黄为正极.	
精度 Precision	±1.1°C	
最高使用温度 Maximum using Temp.	482°C	
外包覆材质 Sealing Material	玻纤 Glass fabric	
配套接头	J or K type	

#### NOTES:

- (1) 以上数据为典型值, 非工艺规范参数。
- (1) The above data is nominal data and is referenced for process specific. Customer shall determine the specific themselves.

### 标准尺寸 Size

规格 Standard	线径直径 Diameter	长度 Length
J/K-36-SLE	0.127mm	100m
J/K-30-SLE	0.255mm	100m
J/K-24-SLE	0.511mm	100m

#### NOTES:

- (1) 货品可按客户要求订制, 订制货品需要满足最小起订量。
- (1) Tailored products should satisfy the MPQ.

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

©Copyright 2017 Shanghai Sibens Composites Technical Dev.Ltd

上海世本复合材料科技发展有限公司  
Shanghai Sibens Composites Tech.Dev., Ltd.  
888 Huanhu W 2<sup>nd</sup> Rd, Pudong, Shanghai  
Phone - (+86)177.1708.9953  
Email - erin.ma@sibenscomp.com  
www.sibenscomp.com

