



倍仕得电气科技(杭州)股份有限公司
BEISIT ELECTRIC TECH (HANGZHOU) CO.,LTD.

倍仕得电气科技(杭州)股份有限公司
BEISIT ELECTRIC TECH (HANGZHOU) CO.,LTD.

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Quick Connect Solution

快速连接解决方案

Energy storage liquid cooling system

储能液冷系统

Charge pile liquid cooling system

充电桩液冷系统



微信公众号



官网



抖音

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倍仕得园区鸟瞰图
Beisit factory Aeroview



董事长寄语
Chairman Send Words

做人，把人品做好。
做企业，把产品做好。

董事长：单乐

品牌解析

Brand Definition

BEISIT[®]

"I" stands for "Integrity 诚信"

"I" stands for "International 国际"

"BEST": Best 最好

做诚信的国际企业，以更好的品质服务客户

Functions as an international company of high integrity whose mission is to provide customer with finest products and services

倍仕得

倍：即多，广聚英才；加倍，业精于勤；倍增，高效发展

pronounced as "bei", means "more", gathering more talents; mastery of work comes from more diligence; developing with high efficiency.

仕：人才，德才兼备；仕途，个人和企业前景光明

pronounced as "shi", means "talents", a person with ability and integrity; Both enterprise and individual should have a bright future, indicating the idea of people-oriented.

得：拥有，拥有更高价值

pronounced as "de", means "possess", to create and possess higher value.

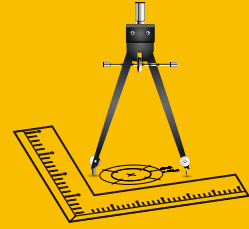
广聚英才，共创美好未来

Gather a large number of talents, and create a glorious future

流体连接器净化车间
Quick Fluid Connector Purification Workshop



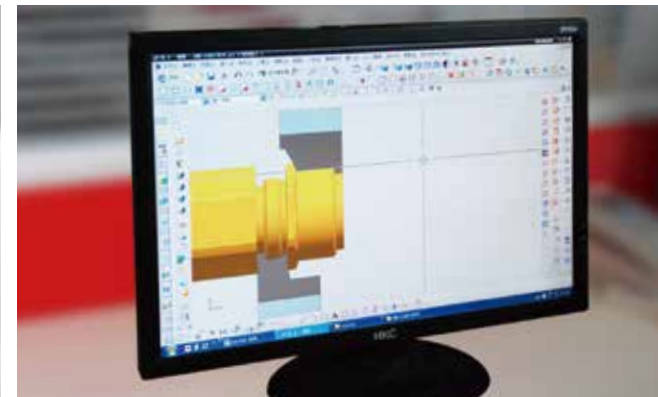
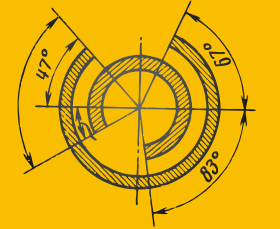
精密刀具设计制造能力
Design and Manufacture of Precision Cutting Tools.



精密刀具设计制造
Design and Manufacture of Precise Cutting Tools



精密刀具设计制造能力
Design and Manufacture of Precision Cutting Tools
加工精度最高能精确到0.01mm
The machining accuracy can be accurate to 0.01mm
3天提供金属样件
3days to provide metal samples
7天样件交付
7days to deliver samples





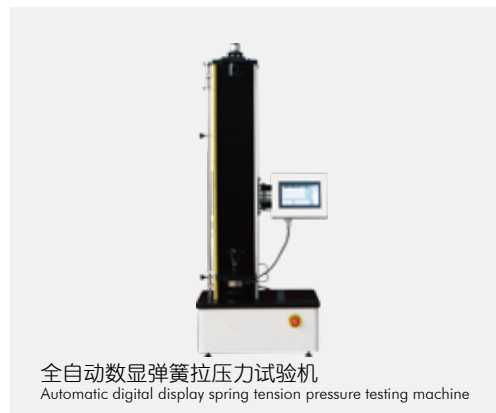
原材料: 金属材质检测
The raw materials: metal material testing
密封件: 抗老化测试、硬度检测
The sealing: anti-aging test, hardness testing
弹簧: 疲劳测试, 弹力值检测
The spring: fatigue test, spring force detection



机加工零件: 粗糙度检测、尺寸测量
Machined parts: roughness detection, dimensional measurement
表面处理: 膜厚检测、盐雾测试
Surface treatment: film thickness detection, salt spray test
产品: 耐压测试、密封性测试、流量系数测试、连接力和分开力测试、耐久性测试、最小爆破压力测试、高温测试、低温测试、互换性测试
Product: withstand voltage test, sealing test, flow coefficient test, connection and separation force test, durability test, sinimum burst pressure test, high temperature test, low temperature test, interchangeability test



流量流阻测试仪
Flow resistance tester



全自动数显弹簧拉压力试验机
Automatic digital display spring tension pressure testing machine



中性盐雾试验箱
Neutral Salt Spray Tester



图像尺寸测量仪
Image dimension measuring instrument



全自动数显弹簧疲劳试验机
Automatic digital display spring fatigue testing machine



气密性检测仪
Air tightness tester



XRF光谱分析仪
XRF Spectral Analyzer

名称牌号 Material brand no.	材料特性 Material Characteristics	表面处理 Surface treatment
HPb59-1	HPb59-1 是应用较广的铅黄铜，可切削性好，有良好的力学性能，能承受冷、热压力加工，易纤维和焊接。对一般腐蚀有良好的稳定性，但有腐蚀破裂倾向。 HPb59-1 is a widely used lead brass with good machinability and good mechanical properties. It can withstand cold and hot pressure processing, is easy to wire and weld, and has good stability to general corrosion, but it has corrosion cracking tendency.	电镀：利用电源能将镍阳离子转换成金属镍沉积到阳极上；黄铜镀镍是利用化学还原的方法，将镍阳离子还原成金属镍并沉积在基体（黄铜）表面上，赋予制品特殊的表面性能。 例如：赋予制品多种色彩、较强的耐腐蚀性 / 耐磨性，镀层结晶细致、平滑光亮、内应力小，导电性能极佳。 化学电镀：采用金属盐和还原剂，在材料表面上发生自催化反应获得镀层；黄铜镀镍是利用还原剂在活化零件（黄铜）表面上自催化还原沉积得到镀层化学镀镍制品的主要特点是：镀层厚度均匀，致密性好、镀层附着力强、深度能力强、抗腐蚀能力好
黄铜 Brass	在黄铜中加 1% 锡能显著改善铜的抗海水和海洋大气腐蚀的能力，因此称为海军黄铜；锡黄铜在海水中具有高的耐腐蚀性，有良好的力学性能，可切削性好，易焊接和纤维。 Adding 1% tin in brass can significantly improve the ability of copper to resist the corrosion of seawater and ocean atmosphere, so it is called navy brass; tin brass has high corrosion resistance in seawater, has good mechanical properties, and good cutability, easy to weld and fiber weld.	1. The electroplating is a process that uses electric current to transform Nickel cation into metal nickel deposition on the anode; Nickel-plated brass is a process that uses chemical reduction to reduce Nickel cations into metal nickel deposition on the surface of the substrate (brass), giving the special surface properties to the products. For example: giving products a variety of colors, strong corrosion resistance/wear resistance, exquisite crystallization on coating, smooth and bright, small internal stress and good electroconductivity. 2. The electroless plating is a process that uses metal-salt and reducing agent to produce autocatalytic reaction on the material surface in order to obtain coating; Nickel-plated brass is a process that uses reducing agent to produce autocatalytic reduction deposition on activation parts (brass) surface in order to obtain coating. The main Properties of electroless nickel plated products are: well-distributed coating thickness, good compactness, coating adhesion, and plating depth capability, good corrosion resistance.
铝 Aluminium	具有加工性能极佳、优良的焊接特点及电镀性、良好的抗腐蚀性、韧性高及加工后不变形、材料致密无缺陷及易于抛光、上色膜容易、氧化效果极佳等优良特点。 6061 aluminum has excellent processing performance, excellent welding and electroplating characteristics, good corrosion resistance, high toughness, no deformation after processing, it is a dense material without defects, easy polishing, easy coloring film and good oxidation effects.	阳极氧化：以铝作为阳极，置于电解质溶液中进行通电处理，使其表面形成氧化铝薄膜。铝阳极氧化的主要特点是：改善耐腐蚀性、提高表面硬度和耐磨性、具有良好的装饰性能。 Anodic oxidation: Aluminum as an anode, placed in electrolyte solution for electric treatment, aluminum surface formed alumina film. The main characteristics of aluminum anodic oxidation are: improve corrosion resistance, improve surface hardness and wear resistance, with good decorative performance.
不锈钢 Stainless Steel	因添加钼，故其耐蚀性、耐大气腐蚀性和高温强度特别好，可在苛刻的条件下适用；加工硬化性优（无磁性）。 Due to the addition of molybdenum, its corrosion resistance, atmospheric corrosion resistance and high temperature strength are particularly good, and it can be applied under harsh conditions; excellent work hardening (non-magnetic).	钝化处理：与钝化剂反应形成一层稳定的钝化膜，从而保护不锈钢基材不被氧化腐蚀导致生锈，大大延缓不锈钢的腐蚀速度。 Passivation treatment: with passivation agent reaction to form a layer of stable passivation film, so as to protect the stainless steel base material from oxidation corrosion caused by rust, greatly delay the corrosion speed of stainless steel.



名称牌号 Material brand no.	材料特性 Material Characteristics	应用 Application
丁腈橡胶 NBR	丁腈橡胶是由丁二烯和丙烯腈经乳液聚合得的，丁腈橡胶主要采用低温乳液聚合生产，耐油性极好，耐磨性较高，耐热性较好，粘接力强。其缺点是耐低温性差、耐臭氧性差，电性能低劣，弹性稍低。 This sealing ring is black with a yellow spot and made from nitrile rubber. It has excellent resistance to petroleum-based fluids. Good physical properties. However, the NBR lip seal should not be used where there is a risk of temperatures above 80°C. NBR is not resistant to solvents, also the flexibility is not good.	丁腈橡胶主要用于制作耐油制品，如耐油管、胶带等，常用于制作各类耐油模压制品，如O形圈、油封、也用于制作胶板和耐磨零件。 NBR is mainly used where there are petrol or oil residues on the waste water (e.g. in connection with oil and petrol separators at service stations, garages etc.), such as O ring, Oil sealing and Rubber panel or other wear-resistance parts.
三元乙丙橡胶 EPDM	三元乙丙橡胶最主要的特性就是其优越的耐氧化、抗臭氧和抗侵蚀的能力。耐老化性能非常好、耐气候性好、电绝缘性能优良、耐化学腐蚀性好、冲击弹性较好。 This sealing ring is made of ethylene propene rubber. The general properties of EPDM are excellent ozone, chemical, and aging resistance. It is also known for good resistance to animal and vegetable oils, ozone, strong and oxidizing chemicals.	主要应用于要求耐老化、耐水、耐腐蚀、电气绝缘的领域如用于轮胎的浅色胎侧、汽车内胎、电缆、电线、门窗密封条、家用电器配件等。 Mainly used for aging resistance, water resistance, corrosion resistance, electrical insulation fields, such as light colored sidewall for tire, automobile inner tubes, cables, wires, sealing for doors and Windows, appliances and other accessories.
硅橡胶 Silicone	1. 高温性能：在 200°C 以上的高温环境下，硅橡胶仍能保持一定的柔韧性、回弹性和表面硬度，且力学性能无明显变化。 2. 低温性能：硅橡胶的玻璃化温度为 -70~-50°C，特殊配方可达到 -100°C。 3. 电气性能：硅橡胶具有优异的绝缘性能，耐电晕性和耐电弧性好。 4. 物理机械性能：硅橡胶常温下的物理机械性能比通用橡胶差，但在 150°C 的高温和 -50°C 的低温下，其物理机械性能优于通用橡胶。 5. 耐油及化学试剂性：普通硅橡胶具有中等的耐油、耐溶剂性能。 1. High temperature: 200 °C high temperature environment, silicone rubber can still maintain a certain degree of flexibility, elasticity and hardness, and no significant changes in mechanical properties. 2. Low temperature: silicone rubber glass transition temperature -70~-50 °C, special formulations could reach -100 degrees centigrade. 3. Electrical performance: silicone rubber has excellent insulating properties, Corona resistance and good arc resistance. 4. Physical and mechanical properties: mechanical properties of silicone rubber is not as good as common rubber at normal temperature. But it's much better than common rubber at 150 °C high temperature and the low temperature of -50. 5. Oil and chemical resistance: ordinary silicone is with moderate oil resistance and solvent resistance.	硅橡胶密封件在极限温度及压力下，有良好的适用性。 Excellent high and low temperature properties. Fair physical properties.
氟橡胶 FKM/ FPM/ VITON	1. 化学稳定性：氟橡胶具有高度的化学稳定性。26型氟橡胶耐石油基油类、双酯类油、硅醚类油、硅酸类油，耐无机酸，耐多数的有机、无机溶剂、药品等。 2. 耐高温性优异：氟橡胶的耐高温性能和硅橡胶一样，26型氟橡胶在 250°C 下可长期使用。 3. 耐老化性能好：26型氟橡胶具有极好的耐天候老化性能，耐臭氧性能。在自然存放十年之后性能仍然令人满意。 4. 真空性能极佳：26型氟橡胶具有极好的真空性能。 5. 机械性能优良：26型氟橡胶在高温下的压缩永久变形小，在 150°C 下的同等时间的压缩永久变形来比较，丁腈橡胶和氯丁橡胶均比 26 型氟橡胶要大。 6. 透气性小：26型氟橡胶在 30°C 下对于氧、氮、氩、二氧化碳气体的透气性和丁腈橡胶相当，比氯丁橡胶要好。 1. Chemical stability: FPM has good chemical stability. 26 fluoro rubber resistant to petroleum base oils and diester oils, ether oil, silicon oil silicate, inorganic acid-resistant, resistant to most organic and inorganic solvents, chemicals, etc. 2. Excellent temperature resistance: Just like silicone rubber, 26 FPM can be used for a long time in 250 °C high temperature. 3. 26 FPM has excellent resistance to aging, and ozone-resistant properties. The performance remains satisfactory after storage for ten years. 4. 26 FPM has excellent vacuum performance. 5. It has good mechanical properties: 26 FPM will deform permanently at under 150 °c Compared with 26 FPM, the deformation of Nitrile rubber and neoprene are larger. 6. Moderate Permeability: Permeability of 26 FPM for oxygen, nitrogen, helium, carbon dioxide gas is nearly same as that of nitrile-butadiene rubber at 30 degree, but better than that neoprene.	垫圈使用：能耐油并酸气，胺基化合物等多种高浓度强腐蚀性介质应用于化工场所。航天航空的控制和燃料系统的航空液压油、喷气燃料、高温润滑油的密封。 应用领域：航天航空、化工、油田、半导体制造。 FPM washer is mainly used in oil acid, amino compounds and other places with a high concentration of corrosive media. It is used in the chemical industry, aviation aerospace control and fuel systems hydraulic oil, jet fuel and high temperature lubricating oil sealing. Also used by aerospace, chemical, oil, semiconductor manufacturing.
氟硅橡胶 FVMQ	氟硅橡胶兼有氟素橡胶及硅橡胶的优点，耐油、耐溶剂、耐燃料油及耐高低温性均佳。能抵抗含氧化合物、含芳香烃的溶剂及含氯的溶剂的侵蚀。一般使用温度为 -50~200°C。 Fluorine silicone rubber has the advantages of fluorine rubber and silicone rubber, and has excellent oil resistance, solvent resistance, fuel oil resistance and high and low temperature resistance. It can resist the attack of oxygenated compounds, aromatic hydrocarbons and chlorine-containing solvents. The general service temperature is -50~200°C.	一般用于航空、航天、军事、石油工业、汽车工业及化工等领域。不建议暴露于酮类及刹车油中。 Generally used in aviation, aerospace, military, petroleum industry, automobile industry, chemical industry and other fields. Exposure to ketones and brake oil is not recommended.

丁腈橡胶 NBR	三元乙丙橡胶 EPDM	硅橡胶 SR
氟橡胶 FKM/FPM/VITON	氟硅橡胶 FVMQ	

液冷快速连接器 LIQUID COOLED QUICK CONNECTOR



- 流体 Fluids**
- 冷却液 Coolant
 - 水-乙二醇 Glycol Water
 - ● ● ● ● ●

安全 Safety

- 双向密封，接通/断开无泄漏。
- 高分子材料尺寸稳定，实现全生命周期安全可靠的密封。
- 尾部迫紧式的软管锁紧结构保证全生命周期无松脱及泄漏。
- Two-way sealing, Switch on/off with leakage free.
- Polymer material size stability, achieve a safe and reliable seal throughout the life.
- The tail force type hose locking structure ensures no leakage and loosening in the whole life cycle.

经济 Economy

- 精密高速成型工艺，高分子材料的应用，保证产品功能的同时，在批量生产的情况下实现了最大的经济性。
- The application of high precision and high speed molding technology and polymer materials can guarantee the function of the product and achieve the maximum economy in mass production.

丰富 Wide range

- 尾部接口形式多样满足您各种需求。
- 通径、接口均可以根据客户需求定制。
- Various forms of termination can meet your needs.
- Diameter, interface and color can be customized according to customer requirements.

便捷 Convenient

- 重量轻，操作便捷。
- Light weight, easy to operate.

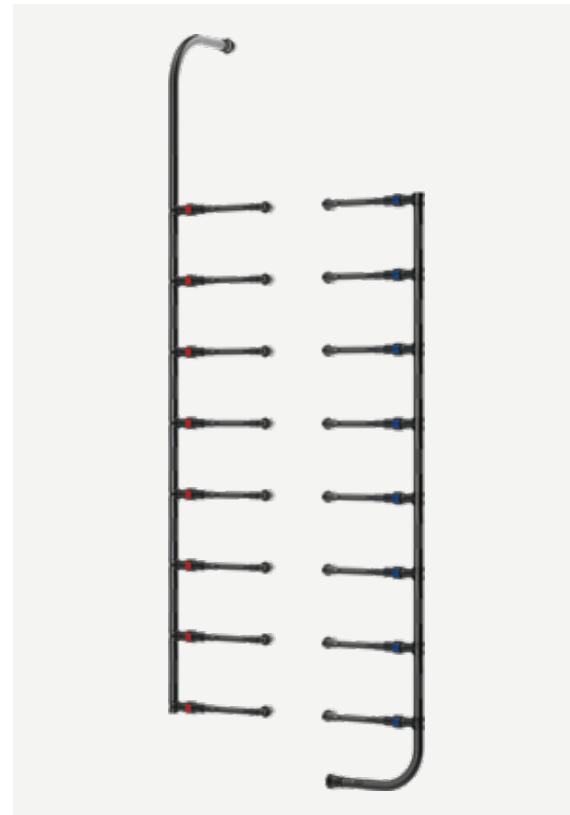
- 倍仕得为储能行业提供流体快速连接器及二、三级液冷管路整体解决方案，可为客户提供定制化服务。
- Beisit provides the overall solution of fluid quick connectors and secondary and tertiary liquid cooling pipelines for the energy storage industry, and can provide customized services for customers.



组装图 Assembly drawing



液冷管路总成 Cooling pipeline assembly



二、三级管道 Secondary and Tertiary Pipeline

冷却管路内的冷却液带走电池与电子设备的热量，保证设备正常运行。只需要断开自密封的连接器即可快速对相应的模块进行维护或更换。连接器确保各模块之间快速且安全的连接。

The coolant in the cooling pipeline takes away the heat of the battery and the electronic equipment, ensuring the normal operation of the equipment. The corresponding module can be quickly maintained or replaced only by disconnecting the self-sealing connector. Ensure the quick and safe connection between the connectors.



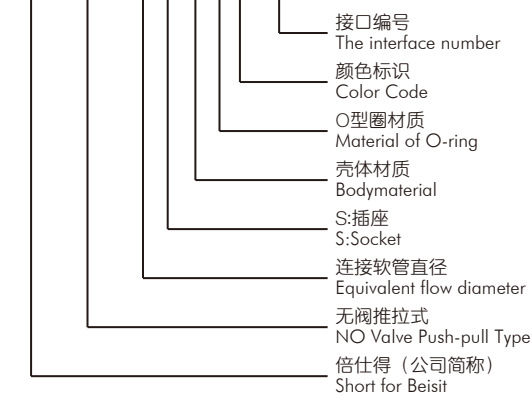
名称 Name	参数 Parameter	
主体材质	Material of main body	PA
工作温度	Working temp	-50°C~100°C
最大工作压力	Maximum working pressure	≥10 bar
阻燃等级	Flame retardant class	UL 94HB
燃烧速度	Rate of combustion	≤40 mm/min
二级及三级管路接头拉脱力	Pull force of secondary and tertiary pipe joint	≥450 N
保温棉厚度	Thickness of thermal insulation foam	3 mm
保温棉材质	Material of thermal insulation cotton	EPDM
保温棉表面缠绕材质	Material of thermal insulation foam surface winding	PET
介质	Medium	50%水+50%乙二醇
二级管道规格	The specification of secondary pipeline	DN25
三级管道规格	The specification of tertiary pipeline	DN10 DN14

三级管道 Tertiary Pipeline



名称 Name	参数 Parameter	
主体材质	Material of main body	PA
工作温度	Working temp	-50°C~100°C
最大工作压力	Maximum working pressure	≥10 bar
阻燃等级	Flame retardant class	UL 94HB
燃烧速度	Rate of combustion	≤40 mm/min
三级管路接头拉脱力	Pull force of tertiary pipe joint	≥450 N
保温棉厚度	Thickness of thermal insulation foam	3 mm
保温棉材质	Material of thermal insulation cotton	EPDM
保温棉表面缠绕材质	Material of thermal insulation foam surface winding	PET
介质	Medium	50%水+50%乙二醇
三级管道规格	The specification of tertiary pipeline	DN10 DN14

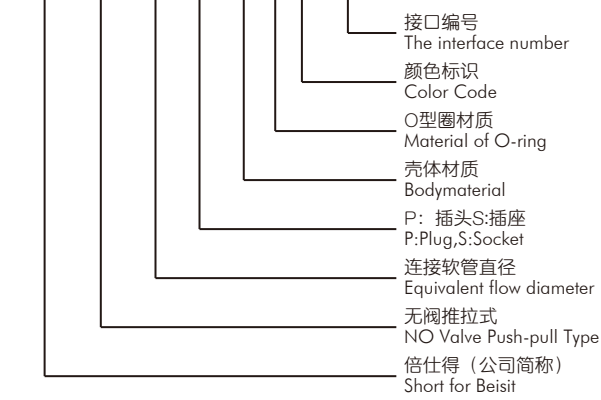
BST - NP - 10 S PA E R 1J78



颜色标识 Color identification	R: 红色; Y: 黄色; G: 绿色; B: 蓝色; P: 紫色; BR: 褐色; BL: 黑色 R: Red; Y: Yellow; G: Green; B: Blue; P: Purple; BR: brown; BL: black
主体材质 Body material	AL: 铝; SS: 不锈钢; BR: 黄铜; PA: PA AL: aluminum; SS: stainless steel; BR: brass; PA: PA
O型圈材质 O-ring material	E:EPDM,三元乙丙橡胶,-20℃~+110℃; FK: FKM,氟橡胶,-10℃~+110℃; N:NBR,丁腈橡胶,-15℃~+110℃ FV:FVMQ,氟硅橡胶,-40℃~+110℃; P:PTFE,聚四氟乙烯, -50℃~+110℃; C: CR, 氯丁橡胶, -40℃~+110℃ FF:FFKM, 全氟橡胶, 0℃~+110℃ E:EPDM,EPDM rubber,-20℃~+110℃ FK:FKM, fluorocarbon rubber,-10℃~+110℃ N:NBR, Nitrile rubber,-15℃~+110℃ FV:FVMQ,EPDM rubber,-40℃~+110℃ P: PTFE, Teflon,-50℃~+110℃ C:CR, Neoprene,-40℃~+110℃ FF:FFKM,Perfluoro rubber,-0℃~+110℃
连接软管直径 Connecting hose diameter	8: 连接8mm内径软管 8: Connect 8mm inner diameter hose 10: 连接10mm内径软管 10: Connect 10mm inner diameter hose 12: 连接12mm内径软管 12: Connect 12mm inner diameter hose 16: 连接16mm内径软管 16: Connect 16mm inner diameter hose 20: 连接20mm内径软管 20: Connect 20mm inner diameter hose

接口编号 The interface number	
1XXXX	-1: 内螺纹, 第二位便是螺纹类型 (M:公制, G:G型螺纹, J:美制螺纹), 后几位为螺纹大小, 如1G12。 -1: internal thread, followed by thread type (M: metric, G:G thread, J: American thread), followed by thread size, such as 1G12.
2XXXX	-2: 外螺纹, 第二位便是螺纹类型 (M:公制, G:G型螺纹, J:美制螺纹), 后几位为螺纹大小, 如2G12。 -2: external thread, followed by thread type (M: metric, G:G thread, J: American thread), followed by thread size, such as 2G12.
3XX	-3:卡箍式, 后两位为卡箍最小外径, 如319。 -3: clamp, followed by the minimum outer diameter of the clamping, such as 319.
4XXX	-4: 法兰式, 后几位为孔位尺寸, 如43636。 -4: Flange, followed by the hole size, such as 43636.
5XXX	-5: 为90°弯角, 后几位为螺纹或法兰孔位尺寸, 如51G12、53636。 -5: right angle, followed by the thread or flange hole size, such as 51G12 53636.
6XXX	-6: 无具体意义, 特殊编号, 或为定制接口。 -6: customer specific.

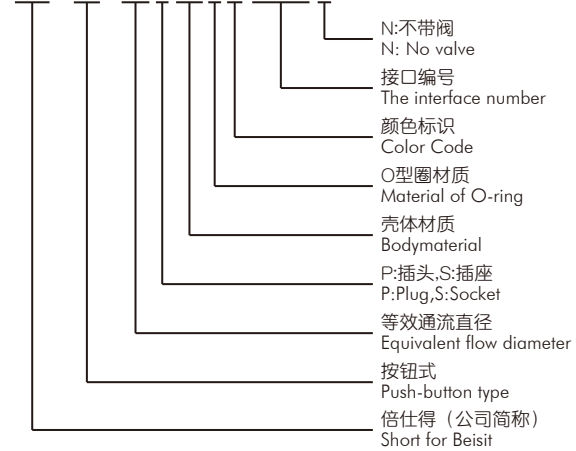
BST - NV - 10 P/S PA E R 1J78



颜色标识 Color identification	R: 红色; Y: 黄色; G: 绿色; B: 蓝色; P: 紫色; BR: 褐色; BL: 黑色 R: Red; Y: Yellow; G: Green; B: Blue; P: Purple; BR: brown; BL: black
主体材质 Body material	AL: 铝; SS: 不锈钢; BR: 黄铜; PA: PA AL: aluminum; SS: stainless steel; BR: brass; PA: PA
O型圈材质 O-ring material	E:EPDM,三元乙丙橡胶,-20℃~+110℃; FK: FKM,氟橡胶,-10℃~+110℃; N:NBR,丁腈橡胶,-15℃~+110℃ FV:FVMQ,氟硅橡胶,-40℃~+110℃; P:PTFE,聚四氟乙烯, -50℃~+110℃; C: CR, 氯丁橡胶, -40℃~+110℃ FF:FFKM, 全氟橡胶, 0℃~+110℃ E:EPDM,EPDM rubber,-20℃~+110℃ FK:FKM, fluorocarbon rubber,-10℃~+110℃ N:NBR, Nitrile rubber,-15℃~+110℃ FV:FVMQ,EPDM rubber,-40℃~+110℃ P: PTFE, Teflon,-50℃~+110℃ C:CR, Neoprene,-40℃~+110℃ FF:FFKM,Perfluoro rubber,-0℃~+110℃
连接软管直径 Connecting hose diameter	8: 连接8mm内径软管 8: Connect 8mm inner diameter hose 10: 连接10mm内径软管 10: Connect 10mm inner diameter hose 12: 连接12mm内径软管 12: Connect 12mm inner diameter hose 16: 连接16mm内径软管 16: Connect 16mm inner diameter hose 20: 连接20mm内径软管 20: Connect 20mm inner diameter hose

接口编号 The interface number	
1XXXX	-1: 内螺纹, 第二位便是螺纹类型 (M:公制, G:G型螺纹, J:美制螺纹), 后几位为螺纹大小, 如1G12。 -1: internal thread, followed by thread type (M: metric, G:G thread, J: American thread), followed by thread size, such as 1G12.
2XXXX	-2: 外螺纹, 第二位便是螺纹类型 (M:公制, G:G型螺纹, J:美制螺纹), 后几位为螺纹大小, 如2G12。 -2: external thread, followed by thread type (M: metric, G:G thread, J: American thread), followed by thread size, such as 2G12.
3XX	-3:卡箍式, 后两位为卡箍最小外径, 如319。 -3: clamp, followed by the minimum outer diameter of the clamping, such as 319.
4XXX	-4: 法兰式, 后几位为孔位尺寸, 如43636。 -4: Flange, followed by the hole size, such as 43636.
5XXX	-5: 为90°弯角, 后几位为螺纹或法兰孔位尺寸, 如51G12、53636。 -5: right angle, followed by the thread or flange hole size, such as 51G12 53636.
6XXX	-6: 无具体意义, 特殊编号, 或为定制接口。 -6: customer specific.

BST - PB - 08 P PA E R 1M30 N

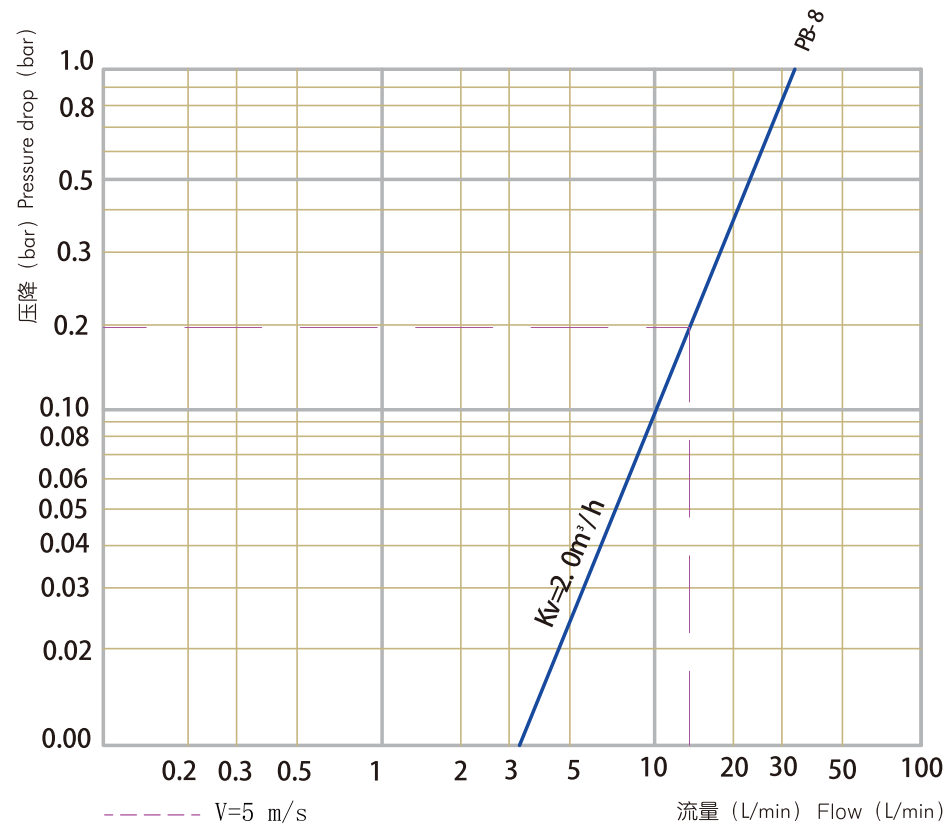


颜色标识 Color identification	R: 红色; Y: 黄色; G: 绿色; B: 蓝色; P: 紫色; BR: 褐色; BL: 黑色 R: Red; Y: Yellow; G: Green; B: Blue; P: Purple; BR: brown; BL: black
主体材质 Body material	PA: PA
O型圈材质 O-ring material	E:EPDM,三元乙丙橡胶,-20℃~+110℃; FK: FKM,氟橡胶,-10℃~+110℃; N:NBR,丁腈橡胶,-15℃~+110℃ FV:FVMQ,氟硅橡胶,-40℃~+110℃; P:PTFE,聚四氟乙烯, -50℃~+110℃; C: CR, 氯丁橡胶, -40℃~+110℃ FF:FFKM, 全氟橡胶, 0℃~+110℃ E:EPDM,EPDM rubber,-20℃~+110℃ FK:FKM, fluorocarbon rubber,-10℃~+110℃ N:NBR, Nitrile rubber,-15℃~+110℃ FV:FVMQ,EPDM rubber,-40℃~+110℃ P: PTFE, Teflon,-50℃~+110℃ C:CR, Neoprene,-40℃~+110℃ FF:FFKM,Perfluoro rubber,-0℃~+110℃
等效通流直径 Equivalent flow diameter	3: 流体有效截面积与直径3mm的圆面积相等 3:The effective cross-sectional area of the fluid is equal to the area of a circle with a diameter of 3mm 6: 流体有效截面积与直径5.5mm的圆面积相等 6: The effective cross-sectional area of the fluid is equal to the area of a circle with a diameter of 5.5mm 8: 流体有效截面积与直径8mm的圆面积相等 8: The effective cross-sectional area of the fluid is equal to the area of a circle with a diameter of 8mm 11: 流体有效截面积与直径11mm的圆面积相等 11: The effective cross-sectional area of the fluid is equal to the area of a circle with a diameter of 11mm 19: 流体有效截面积与直径19mm的圆面积相等 19: The effective cross-sectional area of the fluid is equal to the area of a circle with a diameter of 19mm
是否带阀 With valve or not	N:不带阀 N: Without valve

接口编号 The interface number	
1XXXX	-1: 内螺纹, 第二位便是螺纹类型 (M:公制, G:G型螺纹, J:美制螺纹), 后几位为螺纹大小, 如1G12。 -1: internal thread, followed by thread type (M: metric, G:G thread, J: American thread), followed by thread size, such as 1G12.
2XXXX	-2: 外螺纹, 第二位便是螺纹类型 (M:公制, G:G型螺纹, J:美制螺纹), 后几位为螺纹大小, 如2G12。 -2: external thread, followed by thread type (M: metric, G:G thread, J: American thread), followed by thread size, such as 2G12.
3XX	-3:卡箍式, 后两位为卡箍最小外径, 如319。 -3: clamp, followed by the minimum outer diameter of the clamping, such as 319.
4XXX	-4: 法兰式, 后几位为孔径尺寸, 如43636。 -4: Flange, followed by the hole size, such as 43636.
5XXX	-5: 为90°弯角, 后几位为螺纹或法兰孔径尺寸, 如51G12、53636。 -5: right angle, followed by the thread or flange hole size, such as 51G12 53636.
6XXX	-6: 无具体意义, 特殊编号, 或为定制接口。 -6: customer specific.

工作温度 Working temperature	-40℃~+95℃	壳体材料种类 Body material	PA
交变湿热 Alternating humidity and heat	240h	密封件材料种类 Sealing material	丁腈橡胶、三元乙丙橡胶、氟硅橡胶可选 EPDM rubber, fluorosilicone rubber, fluorine-carbon rubber
盐雾测试 Salt spray test	≥168h	振动测试 Vibration test	按GJB360B-2009方法214, 连接器承受1MPa压力无泄漏 according to GJB360B-2009 method 214, the connector is subjected to 1MPa pressure without leakage
机械寿命 Mating cycle	3000次插拔 3000 times of plugging	冲击测试 Impact test	按GJB360B-2009方法213, 连接器承受1MPa压力无泄漏 according to GJB360B-2009 method 213, the connector is subjected to 1MPa pressure without leakage

产品型号 Product model	PP-8	PB-8	NV-8	NP-10	NP-16
最大工作压力 (bar) Maximum working pressure (bar)	20	20	20	20	20
最小爆破压力 (MPa) Minimum burst pressure (MPa)	3	3	3	3	3
流量系数 (m³/h) Flow coefficient (m³/h)	1.6	2.1	2.0	1.6	2.5
最大工作流量 (L/Min) Maximum working flow (L/Min)	15	15	15	15	40
单次插拔最大泄露量 (ml) Maximum leakage (ml)	0.3	0.3	/	/	/
最大插合力 (N) Maximum insertion force (N)	100	100	60	60	60



以上数据仅供参考，具体参数以产品规格书为准。The above parameters are for reference only, the specific parameters shall be subject to the product specifications.

→ PP-8



插头货号 Plug Item No.	插头接口编号 Plug interface number	总长L1 Total length L1 (mm)	接口长度L3 Interface length L3 (mm)	最大直径φD1 Maximum diameter φD1 (mm)	接口形式 Interface form
PP-8PPAER2M20	2M20	50.5	16.5	29	M20X1.5外螺纹

插座货号 Socket Item No.	插座接口编号 Socket interface number	总长L2 Total length L2 (mm)	接口长度L4 Interface length L4 (mm)	最大外形尺寸L5 Maximum external dimension L5 (mm)	最大直径φD2 Maximum diameter φD2 (mm)	接口形式 Interface form
PP-8SPAER5310	5310	58	29	60	35	适配10mm内径软管
PP-8SPAER2G38	2G38	72.5	11	/	35	G3/8外螺纹
PP-8SPAER310A	310A	81.5	24	/	35	适配内径10mm, 外径13.5mm软管
PP-8SPAER36	36	126	68	/	35	适配内径6mm, 外径10mm软管

温馨提示 Notes

1. 以上插头插座可任意组合，整体(组合、成套)货号可两项相加如：PP-8PPAER2M20+PP-8SPAER5310。
The above plugs and sockets can be combined in any way, and the combined article number can be combined in two terms, such as BT-8PALER2J34+BT-8SALER42222.
2. 请根据接口形式选择对应货号。
Select the corresponding article number according to the form of interface.
3. 因结构或接口类型不同，流阻不同，流量系数仅供参考。
The flow resistance varies with the structure or interface type, and the flow coefficient is for reference only.
4. 如需详细尺寸数据，可联系我司技术人员获取。
For detailed size data, please contact our technical staff to obtain.
5. 如无合适接口，可联系我司根据客户特殊定制。
If there is no appropriate interface, you can contact our company according to the customer's special customization.

以上数据仅供参考，具体参数以产品规格书为准。The above parameters are for reference only, the specific parameters shall be subject to the product specifications.

→ PP-8

插头货号 Plug Item No.	插头接口图 Plug interface contour drawing	插头插座连接图 Plug and socket connection diagram	插座接口图 Socket interface contour drawing	插座货号 Socket Item No.
PB-8PPAER2M20				PB-8SPAER5316
				PB-8SPAER5312
				PB-8SPAER5310
				PB-8SPAER316
				PB-8SPAER314
				PB-8SPAER310

插头货号 Plug Item No.	插头接口编号 Plug interface number	总长L1 Total length L1 (mm)	接口长度L3 Interface length L3 (mm)	最大直径φD1 Maximum diameter φD1 (mm)	接口形式 Interface form
PB-8PPAER2M20	2M20	52.5	17.2	29	M20X1.5外螺纹

插座货号 Socket Item No.	插座接口编号 Socket interface number	总长L2 Total length L2 (mm)	接口长度L4 Interface length L4 (mm)	最大外形尺寸L5 Maximum external dimension L5 (mm)	最大直径φD2 Maximum diameter φD2 (mm)	接口形式 Interface form
PB-8SPAER5316	5316	57.2	26	57	35	适配16mm内径软管和14mm内径波纹管
PB-8SPAER5312	5312	57.2	26	57	35	适配14mm内径软管和12mm内径波纹管
PB-8SPAER5310	5310	57.2	26	57	35	适配10mm内径软管
PB-8SPAER316	316	93	31	/	35	适配16mm内径软管和14mm内径波纹管
PB-8SPAER314	314	90	27.5	/	35	适配14mm内径软管和12mm内径波纹管
PB-8SPAER310	310	86	23.5	/	35	适配10mm内径软管

以上数据仅供参考，具体参数以产品规格书为准。The above parameters are for reference only, the specific parameters shall be subject to the product specifications.

→ PP-8

插头货号 Plug Item No.	插头接口图 Plug interface contour drawing	插头插座连接图 Plug and socket connection diagram	插座接口图 Socket interface contour drawing	插座货号 Socket Item No.
PB-8PPAER2M20				PB-8SPAER310A
				PB-8SPAER314A
				PB-8SPAER316A
				PB-8SPAER310

插头货号 Plug Item No.	插头接口编号 Plug interface number	总长L1 Total length L1 (mm)	接口长度L3 Interface length L3 (mm)	最大直径φD1 Maximum diameter φD1 (mm)	接口形式 Interface form
PB-8PPAER2M20	2M20	52.5	17.2	29	M20X1.5外螺纹

插座货号 Socket Item No.	插座接口编号 Socket interface number	总长L2 Total length L2 (mm)	接口长度L4 Interface length L4 (mm)	最大直径φD2 Maximum diameter φD2 (mm)	接口形式 Interface form
PB-8SPAER310A	310A	84.5	27.5	35	适配10mm内径软管
PB-8SPAER314A	314A	88	31	35	适配14mm内径软管和12mm内径波纹管
PB-8SPAER316A	316A	88	31	35	适配16mm内径软管和14mm内径波纹管

防松脱尾部接口 Anti-loose tail interface



- 根据软管定制连接配合尺寸。
• Customize the connection size according to the hose.
- 软管爆裂前无泄漏。
• No leakage before hose burst.
- 软管拉断前无泄漏。
• No leakage before the hose is pulled off.

温馨提示 Notes

1. 以上插头插座可任意组合，整体(组合、成套)货号可两项相加如：PB-8PPAER2M20+PB-8SPAER5316。
The above plugs and sockets can be combined in any way, and the combined article number can be combined in two terms, such as PB-8PPAER2M20+PB-8SPAER5316.
2. 请根据接口形式选择对应货号。
Select the corresponding article number according to the form of interface.
3. 因结构或接口类型不同，流阻不同，流量系数仅供参考。
The flow resistance varies with the structure or interface type, and the flow coefficient is for reference only.
4. 如需详细尺寸数据，请联系我司技术人员获取。
For detailed size data, please contact our technical staff to obtain.
5. 如无合适接口，请联系我司根据客户特殊定制。
If there is no appropriate interface, you can contact our company according to the customer's special customization.

以上数据仅供参考，具体参数以产品规格书为准。The above parameters are for reference only, the specific parameters shall be subject to the product specifications.

→ NV-8



插头货号 Plug Item No.	插头接口编号 Plug interface number	总长L1 Total length L1 (mm)	接口长度L3 Interface length L3 (mm)	最大直径φD1 Maximum diameter φD1 (mm)	接口形式 Interface form
NV-8PPAER310	310	62.5	35.5	21.5	接内径10mm软管

插座货号 Socket Item No.	插座接口编号 Socket interface number	总长L2 Total length L2 (mm)	接口长度L4 Interface length L4 (mm)	最大外形尺寸L5 Maximum external dimension L5 (mm)	最大直径φD2 Maximum diameter φD2 (mm)
NV-8SPAER310	310	63.3	43.3	35	接内径10mm软管

温馨提示 Notes

1. 以上插头插座可任意组合，整体(组合、成套)货号可两项相加如：NV-8PPAER310+NV-8SPAER310。
The above plugs and sockets can be combined in any way, and the combined article number can be combined in two terms, such as NV-8PPAER310+NV-8SPAER310.
2. 请根据接口形式选择对应货号。
Select the corresponding article number according to the form of interface.
3. 因结构或接口类型不同，流阻不同，流量系数仅供参考。
The flow resistance varies with the structure or interface type, and the flow coefficient is for reference only.
4. 如需详细尺寸数据，可联系我司技术人员获取。
For detailed size data, please contact our technical staff to obtain.
5. 如无合适接口，可联系我司根据客户特殊定制。
If there is no appropriate interface, you can contact our company according to the customer's special customization.

以上数据仅供参考，具体参数以产品规格书为准。The above parameters are for reference only, the specific parameters shall be subject to the product specifications.

→ NP-10/16



插头货号 Plug Item No.	插头接口编号 Plug interface number	总长L1 Total length L1 (mm)	接口长度L3 Interface length L3 (mm)	最大直径φD1 Maximum diameter φD1 (mm)	接口形式 Interface form
NP-10PALE2M22	2M22	57.5	16	33	M22X1.5内螺纹
NP-16PALE2M22	2M22	56.5	16	33	M22X1.5内螺纹

插座货号 Socket Item No.	插座接口编号 Socket interface number	总长L2 Total length L2 (mm)	接口长度L4 Interface length L4 (mm)	最大外形尺寸L5 Maximum external dimension L5 (mm)	最大直径φD2 Maximum diameter φD2 (mm)
NP-10SPOE5310	5310	51.5	24.5	53	31
NP-16SPOE5310	5310	51.5	24.5	53	32

温馨提示 Notes

1. 以上插头插座可任意组合，整体(组合、成套)货号可两项相加如：NP-10PALE2M22+NP-10SPOE5310。
The above plugs and sockets can be combined in any way, and the combined article number can be combined in two terms, such as NP-10PALE2M22+NP-10SPOE5310.
2. 请根据接口形式选择对应货号。
Select the corresponding article number according to the form of interface.
3. 因结构或接口类型不同，流阻不同，流量系数仅供参考。
The flow resistance varies with the structure or interface type, and the flow coefficient is for reference only.
4. 如需详细尺寸数据，可联系我司技术人员获取。
For detailed size data, please contact our technical staff to obtain.
5. 如无合适接口，可联系我司根据客户特殊定制。
If there is no appropriate interface, you can contact our company according to the customer's special customization.

以上数据仅供参考，具体参数以产品规格书为准。The above parameters are for reference only, the specific parameters shall be subject to the product specifications.